



FINAL
APRIL 2022

2021 Land Use Controls Inspection Report

Naval Air Station Whidbey Island, Oak Harbor, Washington

Department of the Navy
Naval Facilities Engineering Systems Command
Engineering Field Activity, Northwest
1101 Tautog Circle
Silverdale, WA 98315-1101



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Naval Facilities Engineering Systems Command Northwest Silverdale, WA

Final

2021 Land Use Controls Inspection Report

Naval Air Station Whidbey Island, Oak Harbor,
Washington

April 2022

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Prepared for:

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FINAL
2021 LAND USE CONTROLS INSPECTION REPORT
NAVAL AIR STATION WHIDBEY ISLAND, OAK HARBOR, WASHINGTON

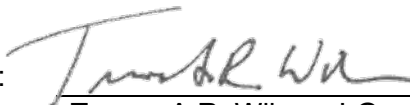
April 2022

Prepared for
United States Department of the Navy
Naval Facilities Engineering Systems Command Northwest

Silverdale, WA 98315

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Acronyms and Abbreviations

bgs	below ground surface
CAP	Cleanup Action Plan
CERCLA.....	Comprehensive Environmental Response, Compensation, and Liability Act
EC	engineering control
Ecology.....	Washington State Department of Ecology
EE/CA.....	engineering evaluation/cost analysis
ESD	explanation of significant difference
FAA	Federal Aviation Administration
GETR	groundwater extraction, treatment, and recharge
IC.....	institutional control
Liberty JV	Liberty Joint Venture
LTM	long-term monitoring
LUC	land use control
LUCIP	Land Use Control Implementation Plan
MEC	munitions and explosives of concern
MGR.....	Machine Gun Range
MPPEH.....	material potentially presenting an explosive hazard
MRP	Munitions Response Program
MTCA	Model Toxics Control Act
MTTR	Mobile Turret Tower Range
NAS	Naval Air Station
NAVFAC.....	Naval Facilities Engineering Systems Command
NPL	National Priorities List
NTCRA.....	non-time critical removal action
O&M	operation and maintenance
OU	operable unit
RAB	Restoration Advisory Board
ROD	Record of Decision

Acronyms and Abbreviations (continued)

SARASuperfund Amendments and Reauthorization Act

TCEtrichloroethene

U.S. EPA United States Environmental Protection Agency

U.S. Navy United States Department of the Navy

UXOunexploded ordnance

WA-525Washington State Route 525

1.0 Introduction

This Land Use Controls (LUC) Inspection Report describes the observations and subsequent recommendations from the LUC inspections conducted 12 October 2021 through 17 October 2021 at specified areas/sites of Naval Air Station (NAS) Whidbey Island, Oak Harbor, Washington. This report was prepared by Liberty Joint Venture (Liberty JV) for Naval Facilities Engineering Systems Command (NAVFAC) Northwest under Contract No. N44255-20-D-5006, Task Order No. N4425521F4104.

LUC inspections prescribed by the *Final Land Use Controls Implementation Plan*, Naval Air Station Whidbey Island, Oak Harbor, Washington and Naval Ocean Processing Facility Coos Head, Charleston, Oregon (LUCIP; Liberty JV, 2020), were conducted in accordance with the procedures detailed in the *Final 2021 Land Use Controls Inspection Work Plan*, Naval Air Station Whidbey Island, Oak Harbor, Washington, and Naval Ocean Processing Facility Coos Head, Charleston, Oregon (LUC Inspection Work Plan; Liberty JV, 2021a). The LUC Inspection Work Plan also provides the definition of LUCs, including institutional controls (ICs) and engineering controls (ECs), for reference. The LUC inspection procedures provide a means to verify that the required LUCs are protective of human health and the environment.

The Naval Ocean Processing Facility Coos Head, Charleston, Oregon, is inspected by the United States Department of the Navy (U.S. Navy) and is not included in this LUC Inspection Report.

1.1 Purpose

The purpose of the LUC inspections and this inspection report is to:

1. Describe the effectiveness of the LUCs to protect human health and the environment;
2. Determine if any of the required LUCs are not meeting the necessary level of protection and, if needed, provide recommendations for LUC corrective actions;
3. Provide documentation that the U.S. Navy has not modified or terminated LUCs or modified land use (without regulatory approval) at any site; and
4. Provide documentation to the applicable regulatory agencies (i.e., United States Environmental Protection Agency [U.S. EPA] and Washington State Department of Ecology [Ecology]) of the inspection.

1.2 Regional and Facility Description

NAS Whidbey Island is located on Whidbey Island in Island County, Washington, at the northern end of Puget Sound and the eastern end of the Strait of Juan de Fuca (see Figure 1-1). Whidbey Island is a north/south-oriented island approximately 40 miles long, ranging from 1 to 10 miles wide. NAS Whidbey Island is a U.S. Navy facility comprising eight geographically distinct sites. Three of these sites have specific areas/sites that require LUCs: Ault Field (4,337 acres), Seaplane Base (2,773 acres), and Former Lake Hancock Target Range (423 acres; see Figures 1-2, 1-3, and 1-4, respectively). The facility is bordered by residential and agricultural land uses and is located near the city of Oak Harbor, which has a population of approximately 23,565 based on 2019 data (U.S. Census Bureau, 2021).

1.2.1 CERCLA Areas

LUCs are implemented under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) at Operable Units (OUs) 1 through 5 as required by the applicable Records of Decision (RODs; U.S. Navy, Ecology, and U.S. EPA, 1993a, 1993b, 1994, 1995, and 1996) and by an explanation of significant difference (ESD) document (U.S. Navy, 2007).

U.S. EPA placed two areas of NAS Whidbey Island, Ault Field and Seaplane Base, on the National Priorities List (NPL) in 1990. In accordance with CERCLA and Superfund Amendments and Reauthorization Act (SARA) guidelines, Ault Field and Seaplane Base were administratively divided into the following five OUs, each addressed by an individual ROD that was signed by the U.S. Navy, Ecology, and U.S. EPA:

- OU 1 – Ault Field (EPA/ROD/R10-94/075; U.S. Navy, Ecology, and U.S. EPA, 1993a)
 - Area 5, Highway 20/Hoffman Road (Surface) Landfill
 - Area 6, Current (1969–1980s) Landfill
- OU 2 – Ault Field (EPA/ROD/R10-94/077; U.S. Navy, Ecology, and U.S. EPA, 1994)
 - Area 2, Western Highlands Landfill
 - Area 3, 1969–1970 Landfill
 - Area 4, Walker Barn Storage Area
 - Area 29, Clover Valley Fire School

- OU 3 – Ault Field (EPA/ROD/R10-95/113; U.S. Navy, Ecology, and U.S. EPA, 1995)
 - Area 16, Runway Ditches
- OU 4 – Seaplane Base (EPA/ROD/R10-94/074; U.S. Navy, Ecology, and U.S. EPA, 1993b)
 - Areas 48/49, Seaplane Base Landfill
- OU 5 – Ault Field (EPA/ROD/R10-96/142; U.S. Navy, Ecology, and U.S. EPA, 1996)
 - Area 1, Former Beach Landfill
 - Area 31, Former Runway Fire Training School (historically also included as part of OU 3)
 - Area 52, Jet Engine Test Cell

The NAS Whidbey Island RODs and associated remedial actions for all five OUs, with the exception of OU 1 Area 6, have either been fully completed or are in long-term monitoring (LTM) or operation and maintenance (O&M) status. Additionally, Seaplane Base, which comprises OU 4, has since been deleted from the NPL. However, at the time the RODs were signed, LUCs included in the RODs were unclear and lacked both detailed objectives and specific requirements. As such, the *Explanation of Significant Differences to the Records of Decision for Operable Units 1, 2, 3, 4, & 5 at Naval Air Station Whidbey Island* (U.S. Navy, 2007) was completed to clarify LUC objectives, requirements, and responsibilities for OUs 1 through 5. For OU 1 Area 6, a ROD Amendment was finalized in 2019 detailing additional remedy requirements (U.S. Navy, Ecology, and U.S. EPA, 2019); implementation of the new remedy is in progress.

Site 22, Hangar 5 was included in the suite of CERCLA sites in 2016 after workers described a petroleum-like odor while removing concrete slabs in the flight line north of Hangar 5 (Battelle, 2020). Although this is a petroleum release that falls under Ecology Model Toxics Control Act (MTCA) regulations, this site is listed on the Ault Field NPL, so it is included with the discussion of CERCLA areas. No decision document requires LUCs at Site 22 Hangar 5; however, LUCs are needed to maintain long-term protection of human health and the environment. As such, LUCs for Hangar 5 were developed based on the nature and extent of contamination described in the *Final Soil and Groundwater Sampling Results, Hangar 5, Naval Air Station Whidbey Island, Oak Harbor, Washington* (Multi-Media Environmental Compliance Group and AECOM, 2016).

1.2.2 Munitions Response Program Sites

LUCs are implemented under the Munitions Response Program (MRP) at former gun range sites:

- Site EO354, Former Machine Gun Ranges (MGRs) B & C
- Site EO354, Former Mobile Turret Tower Range (MTTR)
- Site EO351, Former Lake Hancock Target Range

Former MGRs B & C and Former MTTR were constructed in 1942 and 1943 as part of the former Aviation Fleet Gunnery School, NAS Whidbey Island, as a training facility for naval aviation gunners; MGR A is still actively used. The *Action Memorandum, Former Aviation Fleet Gunnery School, Naval Air Station Whidbey Island, Oak Harbor, Washington* (U.S. Navy, 2013a) provides a description of the sites, documents their LUCs, and details approval of a non-time critical removal action (NTCRA) for the two sites. The NTCRA selects and implements LUCs that restrict future land uses at the Former MGRs B & C and Former MTTR for long-term protection of human health and the environment from munitions constituents, while maintaining current recreational land use for the public.

An engineering evaluation/cost analysis (EE/CA) that evaluated remedial alternatives for Former MGRs B & C and Former MTTR was finalized in January 2013 (U.S. Navy, 2013b). The final EE/CA recommended administrative controls imposed to limit U.S. Navy development of the Former MGRs B & C and Former MTTR to “non- residential” land uses. Non-residential land uses may include recreational, industrial, and commercial uses. Prohibited land uses for the Former MGRs B & C and Former MTTR would include residential housing, elementary and secondary schools, child-care facilities, and playgrounds. To document and enforce these administrative controls, the Former MGRs B & C and Former MTTR were incorporated into the *Land Use Controls Implementation Plan, NAS Whidbey Island, Oak Harbor, Washington* (URS, 2014).

The southern portion of the Former Lake Hancock Target Range was used for aerial bombing training from 1943 to 1971; the northern portion of the U.S. Navy property was used for training purposes that did not include munitions and explosives of concern (MEC)/material potentially presenting an explosive hazard (MPPEH). Based on the results of past investigations, there exists a potential for MEC/MPPEH risk. As such, the *Final Record of Decision for Former Lake Hancock Target Range, NAS Whidbey Island, Whidbey Island, Washington* (U.S. Navy, 2016) identifies the selected response action necessary to protect human health or welfare and the environment from actual or threatened explosive hazards at the site based on the current and intended future land use. The major components of the selected response action include the following:

1. Surface removal of munitions items;
2. Annual surface inspections and munitions removals in and around the target area;
3. Surface inspections and munitions removals every 5 years within the removal action area boundary until no MEC/MPPEH items and less than 10 material documented as safe items are identified during inspections; and
4. LUCs.

As stated in the final ROD for Former Lake Hancock Target Range (U.S. Navy, 2016), LUCs were implemented to prevent exposure to MEC/MPPEH by prohibiting residential use, requiring unexploded ordnance (UXO) support during construction activities, and requiring perimeter fencing and signage designating Former Lake Hancock Target Range as a restricted access area and potential UXO area.

1.2.3 Petroleum Sites

LUCs are required and implemented at a total of five petroleum sites at NAS Whidbey Island:

- Site 36, Former Fuel Farm 1
- Site 35, Former Fuel Farm 2
- Site 13, Former Fuel Farm 3
- Site 11, Former Fuel Farm 4
- Site 45, Trichloroethene (TCE) Tank

LUCs are implemented at the four former fuel farms as described in the *Final Revised Cleanup Action Plan (CAP), NAS Whidbey Island, Closed Former Fuel Farms 1, 2, 3 and Fire Training Area* (U.S. Navy, 2013c) and in the *Interim Remedial Action Completion Report (IRACR) Addendum, Site 11 NAS Whidbey Island, Former Fuel Farm 4 and Building 491* (U.S. Navy, 2013d).

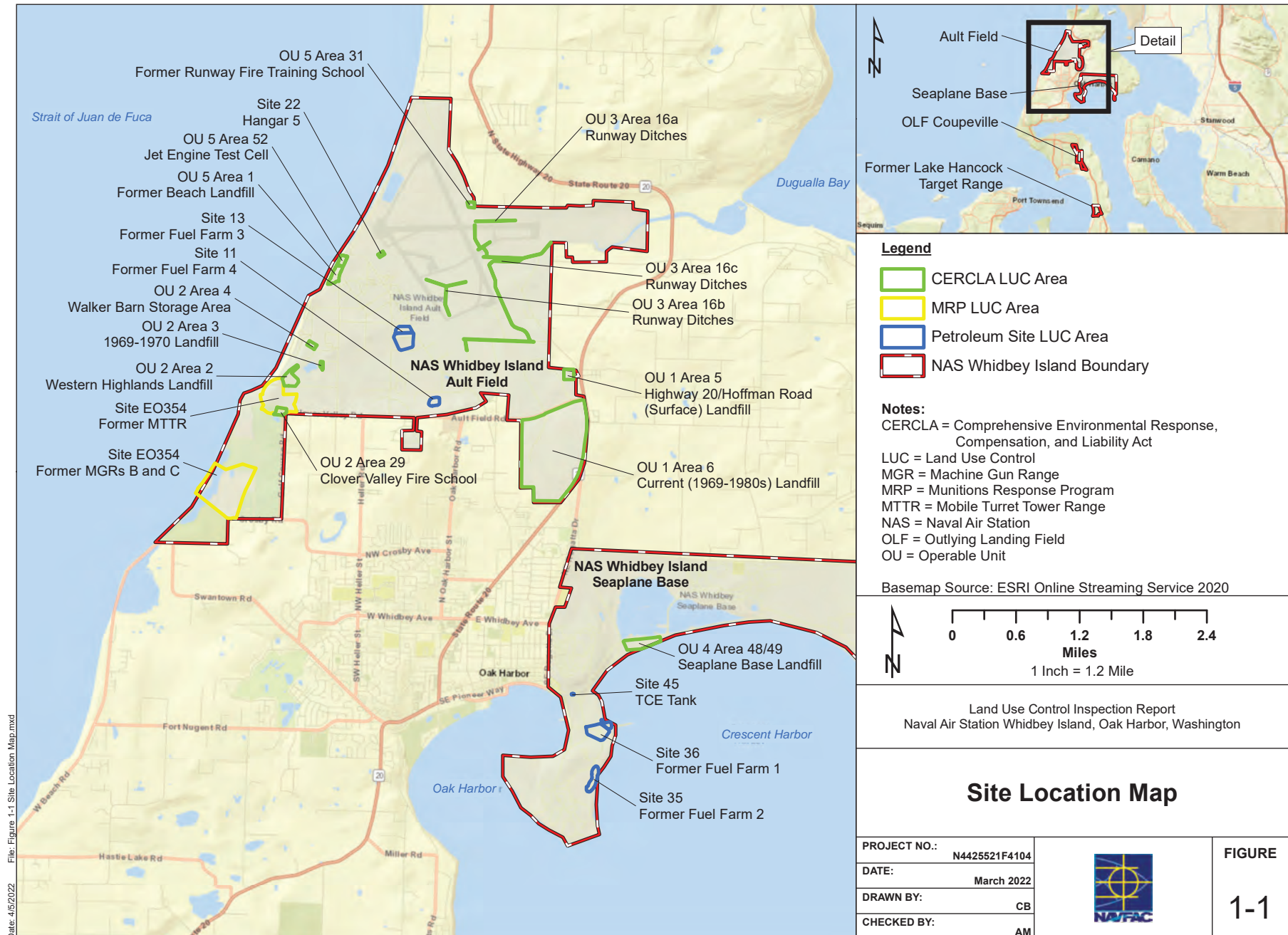
LUCs are also implemented and required at Site 45, TCE Tank, in accordance with the *Memorandum to File, Documentation of Response Complete for Installation Restoration Site 45 at Naval Air Station Whidbey Island, Washington* (U.S. Navy, 2015).

1.3 Organization of Inspection Report

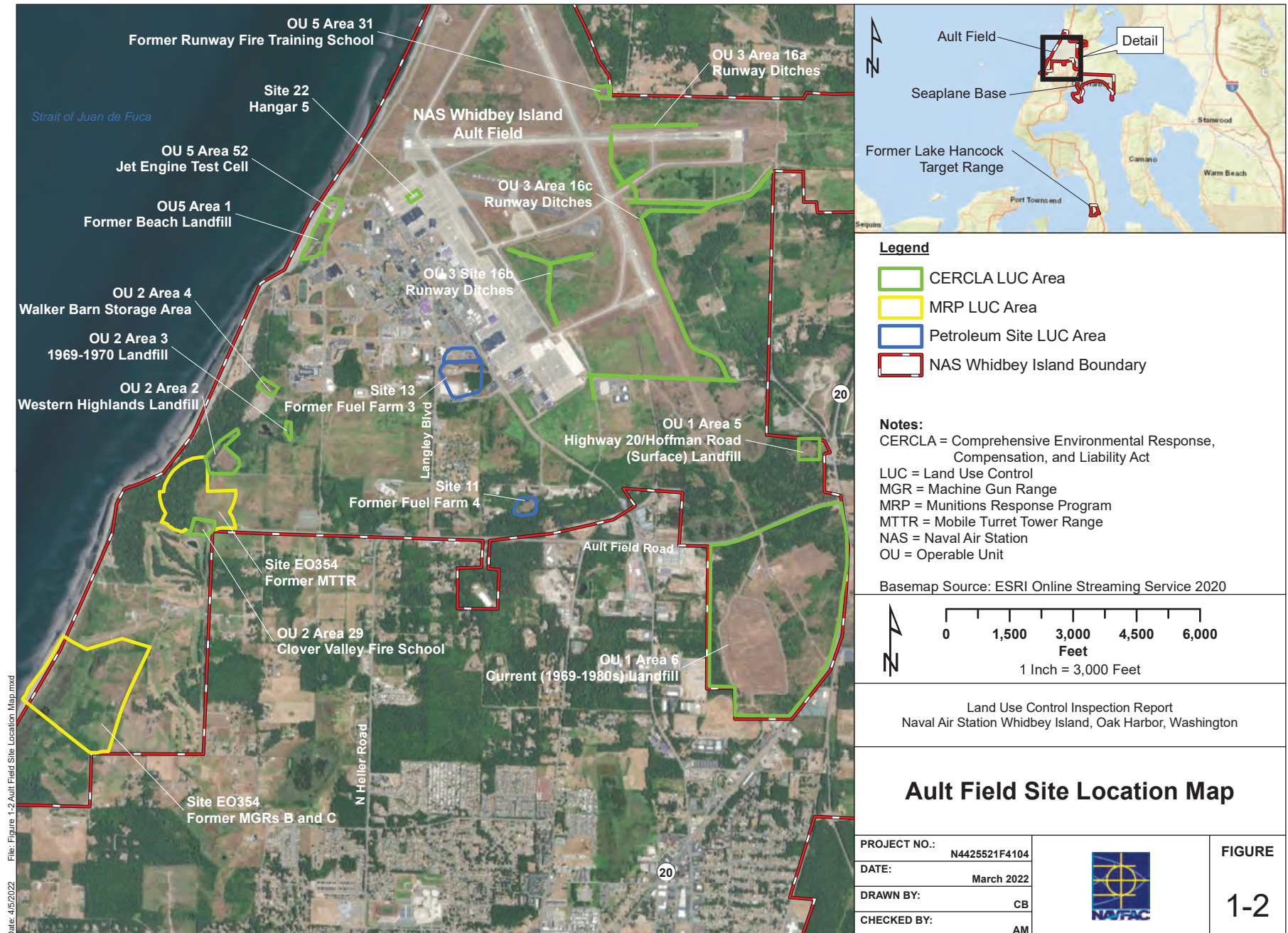
This report details the observations/findings and subsequent conclusions and recommendations, if necessary, noted at each of the 20 areas/sites inspected during

the 2021 LUC inspections at NAS Whidbey Island. Additional documentation regarding the LUC inspection activities is provided in the appendices to this report:

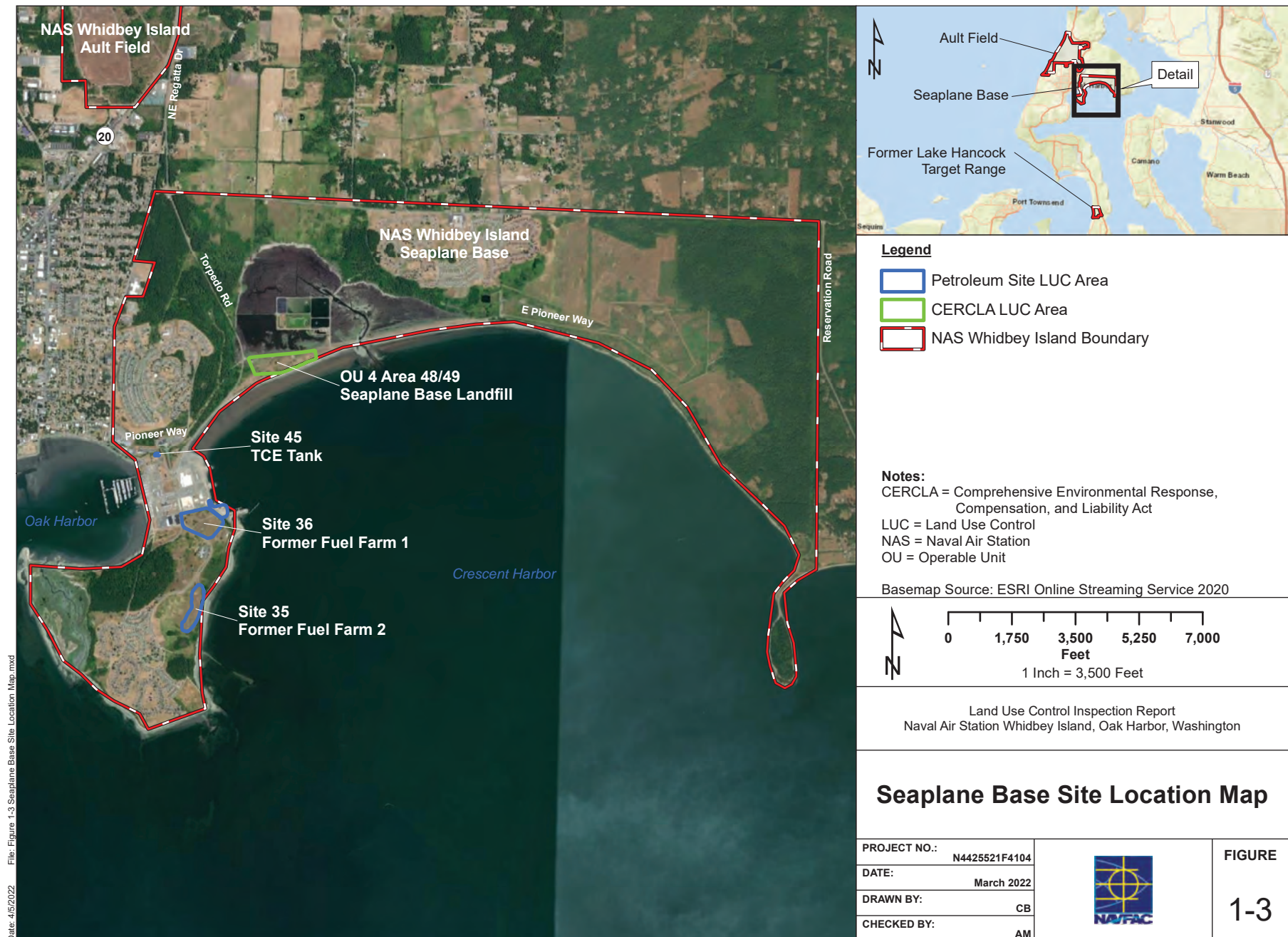
- Appendix A—LUC Inspection Checklists
- Appendix B—Photograph Log
- Appendix C—Monitoring Well Inspection Checklists
- Appendix D—Field Notes
- Appendix E—Drinking Water Well Evaluation



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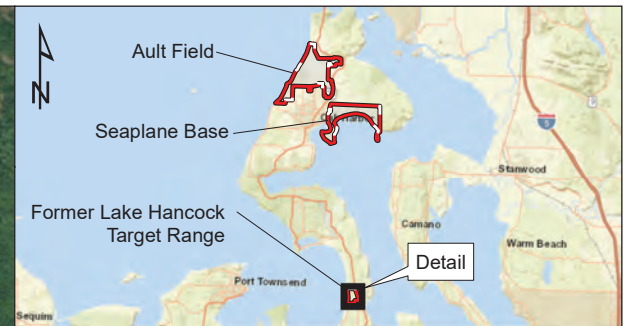
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Date: 4/5/2022 File: Figure 1-4 EO351 Former Lake Hancock Target Range Site Location Map.mxd



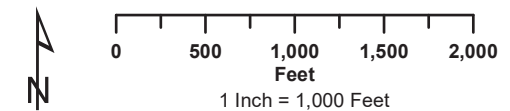
Legend

- MRP LUC Area
- NAS Whidbey Island Boundary

Notes:

LUC = Land Use Control
MRP = Munitions Response Program
NAS = Naval Air Station

Basemap Source: ESRI Online Streaming Service 2020



Land Use Control Inspection Report
Naval Air Station Whidbey Island, Oak Harbor, Washington

MRP Site EO351 Former Lake Hancock Target Range Site Location Map

PROJECT NO.:	N4425521F4104
DATE:	March 2022
DRAWN BY:	CB
CHECKED BY:	AM



FIGURE

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2.0 Land Use Control Inspections

As the lead agency and property owner/controller, the U.S. Navy maintains responsibility for ensuring the effectiveness of the LUCs until LUCs are no longer required to protect public health. If the U.S. Navy sells or transfers a property that has LUC requirements, then the U.S. Navy may no longer be responsible for these LUC requirements, depending on approvals from the regulatory agencies (i.e., U.S. EPA and Ecology).

NAVFAC Northwest is responsible for assisting NAS Whidbey Island in enforcing and inspecting the effectiveness of LUCs. In October 2021, LUC inspections were performed at the 20 areas/sites at NAS Whidbey Island listed in the LUCIP (Liberty JV, 2020). The 20 areas/sites inspected during the 2021 inspection are the CERCLA Areas, MRP sites, and Petroleum sites listed in Section 1.2 of this report.

Overall, the LUC inspections included (1) a field inspection of the effectiveness of the required LUCs (both ICs and ECs) at each area/site; (2) photographs to document site conditions and visual evidence of LUC deficiencies or failures; and (3) a document or record review.

The field team evaluated the effectiveness of ICs, such as land use restrictions, construction restrictions, and groundwater use restrictions. In addition, the condition of ECs, such as monitoring wells, fences, landfill caps/coverage, shoreline armoring, and signage, was reviewed and reported during the field inspections. In particular, the field team checked that the required LUC signage at each area/site, indicating site delineation and identifying site restrictions and/or hazards, was intact, secure, and readable from vehicular and pedestrian access points. Observations of conditions that were inconsistent with the LUC restrictions and/or potentially compromising the LUC effectiveness were documented in this inspection report. If an observed LUC deficiency had an immediate, potentially harmful impact to human health or the environment, then the notification and corrective action process, in accordance with the LUC Inspection Work Plan (Liberty JV, 2021a), was initiated by the field team leader.

Additionally, as part of the 2021 LUC Inspections, and in accordance with the LUC Inspection Work Plan (Liberty JV, 2021a), new locks were installed on monitoring wells located and accessed during the inspection. Replacement padlocks were keyed alike with Master Lock brand 6840KALJ Pro Series brass padlocks (2 7/16-inch shackle) or equivalent. Padlock keys and any unused padlocks were provided to the U.S. Navy upon completion of the 2021 LUC inspection. Any monitoring well that could not be secured with a padlock was documented on the monitoring well inspection checklist (Appendix C).

After the field inspection, Ecology and the Island County Department of Environmental Health were contacted to confirm that no groundwater or drinking water wells were installed for domestic use on site or within an approximate 1-mile buffer around the boundary of areas/sites identified with this LUC restriction. NAS Whidbey Island Base Security was also contacted to determine if any incident or trespass reports had been filed and to verify that access control had been maintained at each area/site.

As part of the LUC inspection process, site-specific checklists were used to guide the inspection team; assist in capture of data necessary to assess and report on the effectiveness of LUCs; and develop recommendations or corrective actions, if necessary. The completed site-specific LUC inspection checklists for the 20 areas/sites inspected in October 2021 are presented in Appendix A.

This section provides the results of the 2021 LUC inspections by area/site. For each area/site, the site-specific LUCs are outlined, and the findings and overall determination for each LUC are presented. The observations from the site walk-through are then discussed to provide supporting evidence of the LUC determinations and to document general site conditions. It should be noted that not all observations of the site walk-through pertain to the effectiveness of the LUCs; in some cases, miscellaneous housekeeping items were also identified. Furthermore, the absence of a housekeeping comment relative to a previous inspection does not mean that a corrective action was either needed or taken.

The conclusions and subsequent recommendations from the 2021 LUC inspections are presented in a table at the end of each subsection. The recommendations are for NAVFAC Northwest to review and implement corrective action(s), as deemed necessary. It should be noted that well maintenance activities to be conducted in 2022 have been contracted under the LTM program for selected wells at OU 1, Area 6; OU 2, Areas 3, 4, and 29; OU 5, Areas 1, 31, and 52; Site 36, Former Fuel Farm 1; and Site 35, Former Fuel Farm 2. A detailed description and history of activities for each site are presented in the LUC Inspection Work Plan (Liberty JV, 2021a).

LUC inspection checklists, photographs, monitoring well inspection checklists, field notes, and a drinking water well evaluation are provided as Appendices A, B, C, D, and E, respectively.

2.1 Operable Unit 1, Area 5, Highway 20/Hoffman Road (Surface) Landfill

2.1.1 Site-Specific Land Use Controls and Findings

Per the LUCIP (Liberty JV, 2020), the following LUCs are required for OU 1, Area 5, Highway 20/Hoffman Road (Surface) Landfill:

- Ensure that land use remains commercial and/or industrial, which includes a prohibition on development and use of this property for residential housing, elementary and secondary schools, childcare facilities, and playgrounds.
- Ensure that all disturbed or excavated soils at or from the area are properly categorized and disposed of, and that workers are protected during any such disturbance or excavation.
- Prevent installation of on-site drinking water wells.
- Deed restrictions in future property deeds.

A site map illustrating the CERCLA LUC Area location and boundary for OU 1, Area 5, Highway 20/Hoffman Road is presented on Figure 2-1.

The following findings have been determined for OU 1, Area 5, Highway 20/Hoffman Road (Surface) Landfill LUCs during the 2021 inspection:

- Land use remains commercial and/or industrial; land use has not changed since before the ESD (U.S. Navy, 2007).
- No new soil excavation or disturbance has occurred since before the ESD (U.S. Navy, 2007).
- There are no on-site drinking water wells.
- The property is still under the ownership of the U.S. Navy; there are no new property deeds.

2.1.2 Site Walk-through Observations

Area 5, Highway 20/Hoffman Road (Surface) Landfill, was inspected on 14 October 2021. A site map illustrating the locations of photographs taken during the 2021 LUC inspection, including photo identification numbers keyed to the photograph log in Appendix B, is presented on Figure 2-1. This section documents general site observations made during the site walk-through and not just those that pertain to the effectiveness of the site-specific LUCs.

Based on the field inspection, Area 5 land use has not changed and remains commercial and/or industrial (see Appendix B [Photos A3 and A4]). There was no indication of ground disturbance or excavation activities within the area of the landfill. Debris apparently associated with construction, paving, concrete, demolition, and excavation was observed within the area; the debris was also reported during previous inspections and appears to have remained undisturbed. Observed concrete and asphalt rubble stockpiles contained road paints and miscellaneous metal debris. As stated in the 2014 to 2020 inspections (Liberty JV, 2021b), these stockpiles appear to have been placed after the ROD (U.S. Navy, Ecology, and U.S. EPA, 1993a) was executed, and many stockpiles are now covered by vegetation and remain undisturbed (see Appendix B [Photo A6]). A review of historical images on Google Earth® supports the understanding that these stockpiles were placed prior to the ESD (U.S. Navy, 2007). In addition, field personnel observed and noted concrete barricades; soil, gravel, asphalt, and concrete rubble stockpiles; and metal piping (see Appendix B).

No new commercial, residential, or inhabited space construction was observed adjacent to Area 5. The nearest developed space is a gas station that has been present for many years located several hundred feet to the southeast of the landfill and outside the base perimeter fence.

Clear signage was observed at the west gated and locked entry point where vehicles can drive into Area 5 from the west. Signage was also observed at the northeast end of the site, visible from the dirt road. There are no access points (i.e., no trails or roads) to the south due to thick vegetation; signage is therefore not needed along the southern boundary. The site is bounded along the west by a locked gate with a soil and rock berm on either side. The berm extends north and south into the adjoining wooded areas. Due to the vegetation and wooded area surrounding the site, access is not readily feasible. Security monitoring at Area 5 is not frequent due to the location and lack of activity at the site. However, Area 5 is located within the secured and fenced area of Ault Field. Historical debris piled along the western boundary of the site is construction debris that establishes a boundary preventing unauthorized entry. The similarities in observations from previous LUC inspections indicate that there likely has been no significant activity at the site since the 2020 LUC inspection.

2.1.3 Conclusion and Recommendations

Based on the 2021 LUC inspection, the LUCs for Area 5 are functioning as intended to protect human receptors from exposure to soil and groundwater. Based on the field observations and findings from the 2021 LUC inspection, no recommendations needed to be developed for Area 5 to maintain LUC effectiveness (Table 2-1).

Table 2-1: Recommendations for OU 1 Area 5, Highway 20/Hoffman Road (Surface) Landfill

LUC Descriptions	Recommendations from 2021 Inspections
<ul style="list-style-type: none"> • Ensure that land use remains commercial and/or industrial, which includes a prohibition on development and use of this property for residential housing, elementary and secondary schools, childcare facilities, and playgrounds • Ensure that all disturbed or excavated soils at or from the area are properly categorized and disposed of, and that workers are protected during any such disturbance or excavation • Prevent installation of on-site drinking water wells • Deed restrictions in future property deeds 	<ul style="list-style-type: none"> • None

Acronyms: LUC = land use control

2.2 Operable Unit 1, Area 6, Current (1969–1980s) Landfill

2.2.1 Site-Specific Land Use Controls and Findings

Per the LUCIP (Liberty JV, 2020), the following LUCs are required for OU 1, Area 6, Current (1969–1980s) Landfill:

- Ensure that land use remains commercial and/or industrial, which includes a prohibition on development and use of this property for residential housing, elementary and secondary schools, childcare facilities, and playgrounds.
- No downgradient well drilling except for monitoring wells and/or remediation system wells authorized by U.S. EPA and Ecology in approved plans.
- Protect existing monitoring wells.
- No use of groundwater from, or downgradient of, the area except for monitoring and remediation as approved by U.S. EPA and Ecology.
- Review the Island County Public Health Hydrogeology Datasystem biannually for well installation activities and/or groundwater use within the 1-mile buffer of Area 6.
- Prevention of any disturbance to the landfill cap, except as necessary for authorized cap maintenance activities.
- Prevent installation of on-area drinking water wells by deed restrictions in future property deeds.

A site map illustrating the CERCLA LUC Area location and boundary for OU 1, Area 6, Current (1969–1980s) Landfill is presented on Figure 2-2.

The following findings have been determined for OU 1, Area 6, Current (1969–1980s) Landfill LUCs during the 2021 inspection:

- Land use remains commercial and/or industrial; land use has not changed since before the ESD (U.S. Navy, 2007).
- No unauthorized downgradient wells have been installed since the 2020 LUC inspection.
- Existing monitoring wells are protected.
- There has been no unapproved use of groundwater from, or downgradient of, the area since the 2020 LUC inspection.
- The landfill cap is functioning as designed, and no recent disturbance was observed.
- The property is still under the ownership of the U.S. Navy; there are no new property deeds.

2.2.2 Site Walk-through Observations

Area 6, Current (1969–1980s) Landfill, was inspected on 16 October 2021 and 17 October 2021. A site map illustrating the locations of photographs taken during the 2021 LUC inspection, including photo identification numbers keyed to the photograph log in Appendix B, is presented on Figure 2-2. This section documents general site observations made during the site walk-through and not just those that pertain to the effectiveness of the site-specific LUCs.

Based on the field inspection, Area 6 land use has not changed and remains commercial and/or industrial. Evidence of past ground disturbance and/or construction activities that are still visible includes:

- Construction has been completed on a new groundwater extraction, treatment, and recharge (GETR) system to the southeast of the landfill cap in Area 6 (see Appendix B [Photo B66]).

The landfill cap and its vegetative cover remain intact and continue to be maintained in an operable condition (see Appendix B [Photos B48 through B50, B61, B65, and B70]). No signs of slumping or surface cracks were observed on the landfill cap during the field inspection.

Within the Gate 90 entrance to Area 6, there is immediate signage for the treatment plant. Approximately 50 feet south of the gate is older and newer signage on the western side of the access road (see Appendix B [Photo B91]). Area 6 is surrounded by a perimeter fence with signs at frequent intervals stating, “No Trespassing Government Property” (see Appendix B [Photo B82]). During the 2021 LUC inspection, this signage was in good condition.

The site is bounded by three-strand barbed wire fence along the north, south, east, and west boundaries, with locked swing gates on all sides. A downed tree has resulted in compromised fencing along the western boundary (see Appendix B [Photo B4]). Compromised fencing was also observed in the southeast corner adjacent to a mobile home community (see Appendix B [Photos B35 and B36]). Minor damage to bottom strand of the three-strand barbed wire fence was observed along the western boundary adjacent to a storage facility (see Appendix B [Photo B11]), and some damage to the fence was observed along the northeastern edge of the property (see Appendix B [Photo B88]). Otherwise, the fence is in good condition.

The site is frequently patrolled by NAS Whidbey Island Base Security outside the perimeter of the site and monitored by the existing GETR system plant operators within the site. There were several observations regarding housekeeping within the area, which have been noted in previous inspections. Photographs of these housekeeping items were not collected during the 2021 LUC inspection as they do not impact the effectiveness of the LUCs.

Numerous large wood debris piles are located at the northeast field of the area. These piles were intentionally placed in the field to encourage animal habitation. Animal burrows, coyote scat, deer, and numerous birds were observed throughout the area.

The Area 6 groundwater monitoring and GETR network of production and monitoring wells continues to be in an operable and secure condition. This network includes approximately 70 current and inactive wells; however, only 42 wells are included in the LUC inspections. The condition of groundwater monitoring wells at Area 6 was reviewed and documented on the monitoring well inspection checklist (see Appendix C). Photographs of each inspected monitoring well are provided in Appendix B. A summary of findings at each inspected monitoring well is provided in Table 2-2. The inspection did not identify any significant deficiencies with these wells. Unless otherwise noted in Table 2-2, monitoring wells located and accessed within Area 6 during the 2021 LUC inspection were secured with new padlocks during the 2021 inspection.

The U.S. Navy actively maintains Area 6 with a full-time GETR plant operator and manages the site under its LTM/O&M program. The LTM/O&M program oversees on-site well installations. The U.S. Navy's LUC contractor reviews drinking water well installations downgradient of Area 6 using information available from Ecology and the Island County Department of Environmental Health. The U.S. Navy conducts periodic Restoration Advisory Board (RAB) meetings with the public and regulatory agencies to identify and resolve issues at Area 6, as well as at the other CERCLA sites at NAS Whidbey Island. There are several existing private drinking water wells near the area that the U.S. Navy samples under its LTM/O&M program.

Based on the field inspection and a review of well records from Ecology and the Island County Department of Environmental Health, there is no visual or administrative evidence of unauthorized groundwater use or well installation activities within or downgradient of the area (see Appendix E). Evidence of potential unauthorized access was observed (see Appendix B [Photos B35 and B36]) inside the southeast boundary of Area 6 adjacent to the neighboring trailer park community, although no additional signs of trespassing were observed. Aside from minor fencing damage at the southern boundary of Area 6, there have been no incident reports or access control issues within the area.

Table 2-2: Monitoring Wells at OU 1 Area 6, Current (1969–1980s) Landfill

Well ID	Northing	Easting	Photograph No. (Appendix B)	Comments from 2021 Inspections
Production Wells				
PW-1	487510.00	1200640.00	B57, B58	-
PW-2	485180.00	1201045.00	B24, B25	-
PW-3*	486734.828	1200409.726	B8, B9	-
PW-4*	484919.327	1201017.543	B28, B29	-
PW-5*	485475.157	1200440.757	B15, B16	-
PW-6	485485.00	1200675.00	B17, B18	-
PW-7*	485453.232	1200848.921	B19, B20	-
PW-8	485195.00	1201385.00	B43, B44	-
PW-9*	484913.794	1201515.322	B40, B41	-
PW-10*	485380.232	1201035.655	B63	-
Monitoring Wells				
MW-3B*	483969.424	1200985.634	--	On City of Oak Harbor Landfill.
MW-5*	485277.249	1200715.752	B27	On City of Oak Harbor Landfill.
MW-7	487090.00	1200440.0	B6	-
MW-9*	485144.491	1201754.341	B42	-
MW-10	486020.00	1200965.00	B62	-
MW-13*	487459.108	1203129.564	B73	-
6-DW-38**	483163.30	1201774.60	B77	Former private drinking water well with disconnected electrical wiring; no inner casing; not owned by U.S. Navy; no bollards. A new lock was not installed – well cap does not accommodate new lock shank
6-S-1	486064.30	1205139.00	B71	-
6-S-2	488231.10	1200536.00	B84, B85	-
6-S-3	484809.00	1201913.00	B34	-
6-S-6	486369.30	1200387.00	B10	-
6-S-7	488637.20	1200542.00	B1	-
6-S-9	487101.20	1201426.00	B68, B69	-
6-S-10	487873.20	1200810.00	B54	-
6-S-14	486480.30	1200760.00	B59	-
6-S-15	486877.90	1200840.00	B60	-
6-S-16	485994.00	1202127.00	B67	-
6-S-17	485524.40	1202048.00	B64	-

Table 2-2: Monitoring Wells at OU 1 Area 6, Current (1969–1980s) Landfill (continued)

Well ID	Northing	Easting	Photograph No. (Appendix B)	Comments from 2021 Inspections
6-S-19*	484795.354	1201474.280	B33	-
6-S-24*	486179.525	1200119.074	B78	-
6-S-25*	485495.387	1200381.586	B12	-
6-S-26*	488335.748	1200909.457	B55	-
6-S-27*	485091.939	1200399.970	B26	-
6-S-29*	484808.454	1201178.203	B32	-
6-S-30*	487849.337	1200431.417	B3	-
6-S-31*	487408.929	1200414.862	B5	-
N6-37	487499.20	1200709.00	B56	Bollards present but do not provide protection of well monument
N6-38	487721.00	1200538.00	B53	No bollards
Resource Protection Wells				
6-S-40	485727.00	1203046.00	B81	-
6-S-41	485062.00	1202556.00	B83	Missing cover bolts
6-S-42*	484226.857	1201987.500	B80	-
6-S-43*	483610.019	1201483.926	B79	-

*Coordinates are corrected or made more accurate based on measurements taken during the 2015 LUC inspections (Battelle, 2020).

**Coordinates are approximated.

Abbreviation: ID = identification

2.2.3 Conclusion and Recommendations

Based on the 2021 LUC inspection, the LUCs for Area 6 are functioning as intended to protect human receptors from exposure to soil and groundwater. Based on the field observations and findings, recommendations were developed for Area 6 to maintain LUC effectiveness. Table 2-3 presents these recommendations from the 2021 LUC inspection.

Table 2-3: Recommendations for OU 1 Area 6, Current (1969–1980s) Landfill

LUC Descriptions	Recommendations from 2021 Inspections
<ul style="list-style-type: none"> Ensure that land use remains commercial and/or industrial, which includes a prohibition on development and use of this property for residential housing, elementary and secondary schools, childcare facilities, and playgrounds No downgradient well drilling except for monitoring wells and/or remediation system wells authorized by U.S. EPA and Ecology in approved plans Protect existing monitoring wells No use of groundwater from, or downgradient of, the area except for monitoring and remediation as approved by U.S. EPA and Ecology Review the Island County Public Health Hydrogeology Datasystem biannually for well installation activities and/or groundwater use within the 1-mile buffer of Area 6. Prevention of any disturbance to the landfill cap, except as necessary for authorized cap maintenance activities Prevent installation of on-area drinking water wells by deed restrictions in future property deeds 	<ul style="list-style-type: none"> Although not a LUC for this site, consider installation of additional signage along the southeastern boundary fence line with the neighboring trailer park community property that states, "No Dumping," and "No Trespassing." Although not a LUC for this site, complete minor and periodic maintenance to the monitoring wells. Repair damaged fencing.

Acronyms/Abbreviations:

Ecology = Washington State Department of Ecology; LUC = land use control; U.S. EPA = United States Environmental Protection Agency

2.3 Operable Unit 2, Area 2, Western Highlands Landfill

2.3.1 Site-Specific Land Use Controls and Findings

Per the LUCIP (Liberty JV, 2020), the following LUCs are required for OU 2, Area 2, Western Highlands Landfill:

- Ensure that land use remains commercial and/or industrial, which includes a prohibition on development and use of this property for residential housing, elementary and secondary schools, childcare facilities, and playgrounds.
- No use of groundwater from, or downgradient of, the area except for monitoring and remediation, except as approved by U.S. EPA and Ecology.
- No downgradient well drilling except for monitoring wells and/or remediation system wells authorized by U.S. EPA and Ecology in approved plans.
- Protect existing monitoring wells.
- Use restrictions to prevent ground disturbance via digging and/or construction activities in the area of former construction debris landfill.
- Possible deed restrictions in future property deeds.

A site map illustrating the CERCLA LUC Area location and boundary for OU 2, Area 2, Western Highlands Landfill is presented on Figure 2-3.

The following findings have been determined for OU 2, Area 2, Western Highlands Landfill LUCs during the 2021 inspection:

- Land use remains commercial and/or industrial; land use has not changed since before the ESD (U.S. Navy, 2007).
- There has been no unapproved use of groundwater from, or downgradient of, the area since the 2020 LUC inspection.
- No downgradient wells have been installed since the 2020 LUC inspection.
- Existing monitoring wells are protected.
- No new soil excavation or disturbance has occurred since the 2020 LUC inspection.
- The property is still under the ownership of the U.S. Navy; there are no new property deeds.
- Groundwater use is limited to monitoring only.

2.3.2 Site Walk-through Observations

Area 2, Western Highlands Landfill, was inspected on 15 October 2021. A site map illustrating the locations of photographs taken during the 2021 LUC inspection, including photo identification numbers keyed to the photograph log in Appendix B, is presented on Figure 2-3. This section documents general site observations made during the site walk-through and not just those that pertain to the effectiveness of the site-specific LUCs.

Based on the field inspection, Area 2 land use has not changed and remains commercial and/or industrial. There have been no new ground disturbance or construction activities.

There is sufficient signage in the area, adequately covering the walking trail that runs through the southwest corner of the area (see Appendix B [Photo C7]). No surface cracks were observed during the 2021 LUC inspection. The site is bounded by chain-link fence along the southern boundary only and is frequently patrolled by NAS Whidbey Island Base Security.

The groundwater monitoring network for Area 2 includes a total of four wells (N2-3, N2-6C, N2-8, and N2-9) that are included in LUC inspections. The condition of groundwater monitoring wells at Area 2 is documented on the monitoring well inspection checklists (see Appendix C). Photographs of each monitoring well are provided in Appendix B. The inspection did not identify any significant deficiencies with these wells. A summary of findings at each monitoring well is provided in Table 2-4. Monitoring wells located and accessed within Area 2 during the 2021 LUC inspection were secured with new padlocks during the 2021 inspection.

Based on the field inspection and a review of well records from Ecology and the Island County Department of Environmental Health, there is no visual or administrative evidence of groundwater use or well installation activities within or downgradient of the Area (see Appendix E). In addition, there have been no incident reports or access control issues within the area.

Table 2-4: Monitoring Wells at OU 2 Area 2, Western Highlands Landfill

Well ID	Northing	Easting	Photograph No. (Appendix B)	Comments from 2021 Inspections
N2-3	491030.20	1189582.0	C9	-
N2-6C	491543.50	1189532.0	C10	-
N2-8	490793.70	1189305.0	C4	-
N2-9	490504.70	1189359.0	C2	-

Abbreviation: ID = Identification

2.3.3 Conclusion and Recommendations

Based on the 2021 LUC inspection, the LUCs for Area 2 are functioning as intended to protect human receptors from exposure to soil and groundwater. Based on the field observations and findings, recommendations were developed for Area 2 to maintain LUC effectiveness. Table 2-5 presents these recommendations from the 2021 LUC inspection.

Table 2-5: Recommendations for OU 2 Area 2, Western Highlands Landfill

LUC Descriptions	Recommendations from 2021 Inspections
<ul style="list-style-type: none"> • Ensure that land use remains commercial and/or industrial, which includes a prohibition on development and use of this property for residential housing, elementary and secondary schools, childcare facilities, and playgrounds • No use of groundwater from, or downgradient of, the area except for monitoring and remediation, except as approved by U.S. EPA and Ecology • No downgradient well drilling except for monitoring wells and/or remediation system wells authorized by U.S. EPA and Ecology in approved plans • Protect existing monitoring wells • Use restrictions to prevent ground disturbance via digging and/or construction activities in the area of former construction debris landfill • Possible deed restrictions in future property deeds 	<ul style="list-style-type: none"> • Although a soil cover/cap is not part of the selected remedy or LUCs, a best management practice would be to continue to monitor site conditions, including potential soil cracking, slumping, and animal burrowing. • Although not a LUC for this site, complete minor and periodic maintenance to the monitoring wells, as needed.

Acronyms/Abbreviations:

Ecology = Washington State Department of Ecology; LUC = land use control; U.S. EPA = United States Environmental Protection Agency

2.4 Operable Unit 2, Area 3, 1969–1970 Landfill

2.4.1 Site-Specific Land Use Controls and Findings

Per the LUCIP (Liberty JV, 2020), the following LUCs are required for OU 2, Area 3, 1969–1970 Landfill:

- Ensure that land use remains commercial and/or industrial, which includes a prohibition on development and use of this property for residential housing, elementary and secondary schools, childcare facilities, and playgrounds.
- No use of groundwater from, or downgradient of, the area except for monitoring and remediation, except as approved by U.S. EPA and Ecology.
- No downgradient well drilling except for monitoring wells and/or remediation system wells authorized by U.S. EPA and Ecology in approved plans.
- Protect existing monitoring wells.

- Use restrictions to prevent ground disturbance via digging and/or construction activities in the area of former construction debris landfill.
- Possible deed restrictions in future property deeds.

A site map illustrating the CERCLA LUC Area location and boundary for OU 2, Area 3, 1969–1970 Landfill is presented on Figure 2-4.

The following findings have been determined for OU 2, Area 3, 1969–1970 Landfill, LUCs during the 2021 inspection:

- Land use remains commercial and/or industrial; land use has not changed since before the ESD (U.S. Navy, 2007).
- There has been no unapproved use of groundwater from, or downgradient of, the area since the 2020 LUC inspection.
- No downgradient wells have been installed since the 2020 LUC inspection.
- Existing monitoring wells are protected.
- No ground disturbance via digging and/or construction activities has occurred since the 2020 LUC inspection.
- The property is still under the ownership of the U.S. Navy; there are no new property deeds.
- Groundwater use is limited to monitoring only.

2.4.2 Site Walk-through Observations

Area 3, 1969–1970 Landfill, was inspected on 14 October 2021. A site map illustrating the locations of photographs taken during the 2021 LUC inspection, including photo identification numbers keyed to the photograph log in Appendix B, is presented on Figure 2-4. This section documents general site observations made during the site walk-through and not just those that pertain to the effectiveness of the site-specific LUCs.

Based on the field inspection, Area 3 land use has not changed and remains commercial and/or industrial. There was also no evidence of ground disturbance or construction activities within the area. However, consistent with the 2020 LUC inspection (Liberty JV, 2021b), there was evidence of soil erosion along the east boundary of the area exposing some shallow landfill debris (see Appendix B [Photo D10]). This erosion is taking place in the bottom portion of the sidewall of one of the 3-foot-tall berms along a length of approximately 5 to 10 feet; the erosion is likely due to animal burrowing activity.

Observations related to housekeeping within the area boundary were consistent with observations from 2014 to 2020 inspections. These observations included (see Appendix B):

- Plastic and wood debris on northeast entrance path to site.
- Plastic bucket, metal, and other debris throughout the site.

Signage was adequate in the area and was observed at the pedestrian entry point and along the northern boundary (see Appendix B [Photos D1 and D2]). Two older signs are present along the eastern boundary of the area, one of which is mostly covered by vegetation. The site is not bounded by a fence but is frequently monitored by NAS Whidbey Island Base Security.

The groundwater monitoring network for Area 3 includes a total of two groundwater monitoring wells (3-MW-2 and N3-12) that are included in LUC inspections. The condition of groundwater monitoring wells at Area 3 is documented on the monitoring well inspection checklist (see Appendix C). Photographs of each monitoring well are provided in Appendix B. The inspection did not identify any significant deficiencies with these wells. A summary of findings at each monitoring well is provided in Table 2-6. Monitoring wells located and accessed within Area 3 during the 2021 LUC inspection were secured with new padlocks during the 2021 inspection.

Table 2-6: Monitoring Wells at OU 2 Area 3, 1969–1970 Landfill

Well ID	Northing	Easting	Photograph No. (Appendix B)	Comments from 2021 Inspections
3-MW-2	491368.70	1190681.0	D9	-
N3-12	491400.0	1190575.0	D8	-

Abbreviation: ID = Identification

Based on the field inspection and Ecology well records for Island County, there is no visual or administrative evidence of groundwater use or well installation activities within or downgradient of the area (see Appendix E). In addition, there have been no incident reports or access control issues within the area.

2.4.3 Conclusion and Recommendations

Overall, the LUCs for Area 3 are functioning as intended to protect human receptors from exposure to soil and groundwater. Based on the field observations and findings, recommendations were developed for Area 3 to maintain LUC effectiveness. Table 2-7 presents these recommendations from the 2021 LUC inspection.

Table 2-7: Recommendations for OU 2 Area 3, 1969–1970 Landfill

LUC Descriptions	Recommendations from 2021 Inspections
<ul style="list-style-type: none"> • Ensure that land use remains commercial and/or industrial, which includes a prohibition on development and use of this property for residential housing, elementary and secondary schools, childcare facilities, and playgrounds • No use of groundwater from, or downgradient of, the area except for monitoring and remediation, except as approved by U.S. EPA and Ecology • No downgradient well drilling except for monitoring wells and/or remediation system wells authorized by U.S. EPA and Ecology in approved plans • Protect existing monitoring wells • Use restrictions to prevent ground disturbance via digging and/or construction activities in the area of former construction debris landfill • Possible deed restrictions in future property deeds 	<ul style="list-style-type: none"> • Although a soil cover/cap is not part of the selected remedy or LUCs, a best management practice would be to continue to monitor site conditions, including potential soil cracking, slumping, and animal burrowing. • Although not a LUC for this site, complete minor and periodic maintenance to the monitoring wells, as needed.

Acronyms/Abbreviations:

Ecology = Washington State Department of Ecology; LUC = land use control; U.S. EPA = United States Environmental Protection Agency

2.5 Operable Unit 2, Area 4, Walker Barn Storage Area

2.5.1 Site-Specific Land Use Controls and Findings

Per the LUCIP (Liberty JV, 2020), the following LUCs are required for OU 2, Area 4, Walker Barn Storage Area:

- Ensure that land use remains commercial and/or industrial, which includes a prohibition on development and use of this property for residential housing, elementary and secondary schools, childcare facilities, and playgrounds.
- No use of groundwater from, or downgradient of, the area except for monitoring and remediation, except as approved by U.S. EPA and Ecology.
- No downgradient well drilling except for monitoring wells and/or remediation system wells authorized by U.S. EPA and Ecology in approved plans.
- Protect existing monitoring wells.

A site map illustrating the CERCLA LUC Area location and boundary for OU 2, Area 4, Walker Barn Storage Area is presented on Figure 2-5.

The following findings have been determined for OU 2, Area 4, Walker Barn Storage Area LUCs during the 2021 inspection:

- Land use remains commercial and/or industrial; land use has not changed since before the ESD (U.S. Navy, 2007).

- There has been no unapproved use of groundwater from, or downgradient of, the area since the 2020 LUC inspection.
- No downgradient wells have been installed since the 2020 LUC inspection.
- Existing monitoring wells are protected.
- Groundwater use is limited to monitoring only.

2.5.2 Site Walk-through Observations

Area 4, Walker Barn Storage Area, was inspected on 12 October 2021. A site map illustrating the locations of photographs taken during the 2021 LUC inspection, including photo identification numbers keyed to the photograph log in Appendix B, is presented on Figure 2-5. This section documents general site observations made during the site walk-through and not just those that pertain to the effectiveness of the site-specific LUCs.

Based on the field inspection, Area 4 land use has not changed and remains commercial and/or industrial. In addition, there was no evidence of ground disturbance or construction activities within the area. Signage adequately covers the area in the southern and western corners as well as approximately 100 feet northeast of the former building foundation (see Appendix B [Photo E1]). Two older signs remain in the southern portion of the Area. The site is not bounded by a fence but is frequently monitored by NAS Whidbey Island Base Security.

The groundwater monitoring network at Area 4 includes two groundwater monitoring wells (4-MW-1 and 4-MW-3) for LUC inspections. The condition of groundwater monitoring wells at Area 4 is documented on the monitoring well inspection checklist (see Appendix C). Photographs of each monitoring well are provided in Appendix B. The inspection did not identify any significant deficiencies with these wells. A summary of findings at each monitoring well is provided in Table 2-8. Monitoring wells located and accessed within Area 4 during the 2021 LUC inspection were secured with new padlocks during the 2021 inspection.

Table 2-8: Monitoring Wells at OU 2 Area 4, Walker Barn Storage Area

Well ID	Northing	Easting	Photograph No. (Appendix B)	Comments from 2021 Inspections
4-MW-1	492410.90	1190076.00	E5	-
4-MW-3	492262.60	1190041.00	E2	-

Abbreviation: ID = Identification

Based on the field inspection and a review of well records from Ecology and the Island County Department of Environmental Health, there is no visual or administrative

evidence of groundwater use or well installation activities within or downgradient of the area (see Appendix E). In addition, there have been no incident reports or access control issues within the Area.

2.5.3 Conclusion and Recommendations

Overall, the LUCs for Area 4 are functioning as intended to protect human receptors from exposure to groundwater. Based on the field observations and findings, recommendations were developed for Area 4 to maintain LUC effectiveness. Table 2-9 presents these recommendations from the 2021 LUC inspection.

Table 2-9: Recommendations for OU 2 Area 4, Walker Barn Storage Area

LUC Descriptions	Recommendations from 2021 Inspections
<ul style="list-style-type: none"> • Ensure that land use remains commercial and/or industrial, which includes a prohibition on development and use of this property for residential housing, elementary and secondary schools, childcare facilities, and playgrounds • No use of groundwater from, or downgradient of, the area except for monitoring and remediation, except as approved by U.S. EPA and Ecology • No downgradient well drilling except for monitoring wells and/or remediation system wells authorized by U.S. EPA and Ecology in approved plans • Protect existing monitoring wells 	<ul style="list-style-type: none"> • Although not a LUC for this site, complete minor and periodic maintenance to the monitoring wells, as needed.

Acronyms/Abbreviations:

Ecology = Washington State Department of Ecology; LUC = land use control; U.S. EPA = United States Environmental Protection Agency

2.6 Operable Unit 2, Area 29, Clover Valley Fire School

2.6.1 Site-Specific Land Use Controls and Findings

Per the LUCIP (Liberty JV, 2020), the following LUCs are required for OU 2, Area 29, Clover Valley Fire School:

- No use of groundwater from, or downgradient of, the area except for monitoring and remediation, except as approved by U.S. EPA and Ecology.
- No downgradient well drilling except for monitoring wells and/or remediation system wells authorized by U.S. EPA and Ecology in approved plans.
- Protect existing monitoring wells.

A site map illustrating the CERCLA LUC Area location and boundary for OU 2, Area 29, Clover Valley Fire School is presented on Figure 2-6.

The following findings have been determined for OU 2, Area 29, Clover Valley Fire School LUCs during the 2021 inspection:

- There has been no unapproved use of groundwater from, or downgradient of, the area since the 2020 LUC inspection.
- No unauthorized downgradient wells have been installed since the 2020 LUC inspection.
- Existing monitoring wells are protected.
- Further LUCs have not been established since the ESD (U.S. Navy, 2007).

2.6.2 Site Walk-through Observations

Area 29, Clover Valley Fire School, was inspected on 15 October 2021. A site map illustrating the locations of photographs taken during the 2021 LUC inspection, including photo identification numbers keyed to the photograph log in Appendix B, is presented on Figure 2-6. This section documents general site observations made during the site walk-through and not just those that pertain to the effectiveness of the site-specific LUCs.

During the 2021 LUC inspection, there was no evidence of land disturbance or construction. Consistent with the 2020 LUC inspection (Liberty JV, 2021b), two groundwater monitoring wells were observed during the 2021 LUC inspection, labeled MW-628 and MW-629 (see Appendix B [Photos F6 and F12]). Wells MW-628 and MW-629 were installed by the U.S. Navy for an investigation of per- and polyfluoroalkyl substances (PFAS) and do not require inspection as part of the LUCs for Area 29. However, as of 29 November 2021, no records of well applications or well construction reports for MW-628 and MW-629 were present in either Ecology's or the Island County Department of Environmental Health's databases.

The site is bounded by three-strand barbed wire fence on the north, south, east, and west sides. The east side of the site contains a locked gate, along Rocky Point Road. In addition, the site is frequently monitored by NAS Whidbey Island Base Security. Signage adequately covers the area on the south side of Rocky Point Road and the south boundary of the site along the golf course (see Appendix B [Photos F2 and F14]). Several older signs, some of which are overgrown with vegetation, remain on the east and south boundaries of the area (see Appendix B [Photo F8]). Overall, the perimeter fence remains intact and in good condition, providing a site boundary that delineates the area subject to the posted signage.

The groundwater monitoring network currently includes three wells (29-MW-4, N29-20, and N29-22D) that are included in LUC inspections. As part of the field inspection, the condition of groundwater monitoring wells at Area 29 was reviewed and is documented on the monitoring well inspection checklist (see Appendix C). Photographs of each

monitoring well are provided in Appendix B. The inspection did not identify any significant deficiencies with these wells. A summary of findings at each monitoring well is provided in Table 2-10. Monitoring wells located and accessed within Area 29 during the 2021 LUC inspection were secured with new padlocks during the 2021 inspection.

Table 2-10: Monitoring Wells at OU 2 Area 29, Clover Valley Fire School

Well ID	Northing	Easting	Photograph No. (Appendix B)	Comments from 2021 Inspections
29-MW-4	489353.60	1188495.00	F1	-
N29-20	489204.50	1188480.0	F3	-
N29-22D	489251.20	1188284.0	F10	No bollards

Abbreviation: ID = Identification

Based on the field inspection and a review of well records from Ecology and the Island County Department of Environmental Health, there is no visual or administrative evidence of groundwater use or well installation activities within or downgradient of the area (see Appendix E). In addition, there were no incident reports or access control issues within the area.

2.6.3 Conclusion and Recommendations

Overall, the LUCs for Area 29 are functioning as intended to protect human receptors from exposure to soil and groundwater. Based on the field observations and findings, recommendations were developed for Area 29 to maintain LUC effectiveness.

Table 2-11 presents these recommendations from the 2021 LUC inspection.

Table 2-11: Recommendations for OU 2 Area 29, Clover Valley Fire School

LUC Descriptions	Recommendations from 2021 Inspections
<ul style="list-style-type: none"> No use of groundwater from, or downgradient of, the area except for monitoring and remediation, except as approved by U.S. EPA and Ecology No downgradient well drilling except for monitoring wells and/or remediation system wells authorized by U.S. EPA and Ecology in approved plans Protect existing monitoring wells 	<ul style="list-style-type: none"> Although not a LUC for this site, complete minor and periodic maintenance to the monitoring wells, as needed.

Acronyms/Abbreviations:

Ecology = Washington State Department of Ecology; LUC = land use control; U.S. EPA = United States Environmental Protection Agency

2.7 Operable Unit 3, Area 16, Runway Ditches

2.7.1 Site-Specific Land Use Controls and Findings

Per the LUCIP (Liberty JV, 2020), the following LUCs are required for OU 3, Area 16, Runway Ditches:

- Ensure that land use remains commercial and/or industrial, which includes a prohibition on development and use of this property for residential housing, elementary and secondary schools, childcare facilities, and playgrounds.
- Limit adjoining ditch banks to disposal of dredged sediments meeting MTCA Industrial Soils criteria and/or industrial use.
- Current land use will remain industrial.
- Deed restrictions for industrial use.

A site map illustrating the CERCLA LUC Area location and boundary for OU 3, Area 16, Runway Ditches is presented on Figure 2-7.

The following findings have been determined for OU 3, Area 16, Runway Ditches LUCs during the 2021 inspection:

- Land use remains industrial; land use has not changed since before the ESD (U.S. Navy, 2007).
- No unauthorized disposal of dredged sediments has been observed or reported since the 2020 LUC inspection.
- Land use remains industrial; land use has not changed since before the ESD (U.S. Navy, 2007).
- The property is still under the ownership of the U.S. Navy; there are no new property deeds.

2.7.2 Site Walk-through Observations

Area 16, Runway Ditches, was inspected on 14 October 2021. A site map illustrating the locations of photographs taken during the 2021 LUC inspection, including photo identification numbers keyed to the photograph log in Appendix B, is presented on Figure 2-7. This section documents general site observations made during the site walk-through and not just those that pertain to the effectiveness of the site-specific LUCs.

Based on the field inspection, Area 16 land use has not changed and remains commercial and/or industrial.

Minimal signage exists at the area due to its proximity to the runway. Federal Aviation Administration (FAA) requirements do not allow for signage at all locations of the area.

The site is not bounded by a fence but is located within the active secured NAS Whidbey Island Airfield adjacent to active runways; therefore, it does not have its own

security fencing system. However, the area is monitored by NAS Whidbey Island Base Security on a routine basis and access requires coordination with base security.

The U.S. Navy's stormwater pollution prevention measures include minimizing waste runoff into the ditches. During the 2021 LUC inspection, all ditches contained water, except the southernmost east/west-trending ditch in Area 16 (see Appendix B [Photo G39]), the central east/west-trending ditch in Area 16c (see Appendix B [Photos G22 and G23]), and the entirety of the east/west-trending ditch in Area 16a (see Appendix B [Photos G31 and G32]). NAS Whidbey Island reportedly conducts annual vegetation removal at the ditches.

2.7.3 Conclusion and Recommendations

Overall, the LUCs for Area 16 are functioning as intended to protect human receptors from exposure to soil. Based on the field observations and findings from the 2021 LUC inspection, no recommendations needed to be developed for Area 16 to maintain LUC effectiveness (Table 2-12).

Table 2-12: Recommendations for OU 3 Area 16, Runway Ditches

LUC Descriptions	Recommendations from 2021 Inspections
<ul style="list-style-type: none"> Ensure that land use remains commercial and/or industrial, which includes a prohibition on development and use of this property for residential housing, elementary and secondary schools, childcare facilities, and playgrounds Limit adjoining ditch banks to disposal of dredged sediments meeting MTCA Industrial Soils criteria and/or industrial use Current land use will remain industrial Deed restrictions for industrial use 	<ul style="list-style-type: none"> None

Acronyms: LUC = land use control; MTCA = Model Toxics Control Act

2.8 Operable Unit 4, Areas 48/49, Seaplane Base Landfill

2.8.1 Site-Specific Land Use Controls and Findings

Per the LUCIP (Liberty JV, 2020), the following LUCs are required for OU 4, Areas 48/49, Seaplane Base Landfill:

- Ensure that land use remains commercial and/or industrial, which includes a prohibition on development and use of this property for residential housing, elementary and secondary schools, childcare facilities, and playgrounds.
- Use restrictions to prevent ground disturbance via excavation or other ground disturbing activities in the area of former construction debris landfill.

A site map illustrating the CERCLA LUC Area location and boundary for OU 4, Areas 48/49, Seaplane Base Landfill is presented on Figure 2-8.

The following findings have been determined for OU 4, Areas 48/49, Seaplane Base Landfill LUCs during the 2021 inspection:

- Land use remains commercial and/or industrial; land use has not changed since before the ESD (U.S. Navy, 2007).
- No ground disturbance via excavation or other ground disturbance activity has occurred in the area of the former construction debris landfill since before the ESD (U.S. Navy, 2007).

2.8.2 Site Walk-through Observations

Areas 48/49, Seaplane Base Landfill, was inspected on 13 October 2021. A site map illustrating the locations of photographs taken during the 2021 LUC inspection, including photo identification numbers keyed to the photograph log in Appendix B, is presented on Figure 2-8. This section documents general site observations made during the site walk-through and not just those that pertain to the effectiveness of the site-specific LUCs.

Based on the field inspection, land use in Areas 48/49 has not changed and remains commercial and/or industrial. In addition, there has been no residential construction within or near the area. There was no physical evidence of excavation activities conducted within the area, and the landfill cover appeared in good condition.

Construction material debris was observed along the southern shoreline and appears to have eroded from the landfill (see Appendix B [Photo H6]). Concrete debris was also observed along the south end of the landfill boundary (see Appendix B [Photos H8 and H9]).

Recreational land use within the area was observed during the 2021 LUC inspection, including pedestrian use of walking trails along the landfill cap (see Appendix B [Photo H22]). Recreational access is not restricted by LUCs for Areas 48/49. There was no evidence that limited recreational use is creating exposure pathways to landfill material at Areas 48/49. In addition, there were no incident reports or issues within the area.

Signage is adequately displayed along the northern and southwestern boundaries of the area (see Appendix B [Photos H1, H12, and H16]). The existing signage serves to delineate the site boundary and to indicate LUC restrictions for Areas 48/49. The site is not bounded by a fence but is frequently monitored by NAS Whidbey Island Base Security.

2.8.3 Conclusion and Recommendations

In general, the LUCs for Areas 48/49 are functioning as intended to protect human receptors from exposure to the buried landfill materials. Based on the field observations and findings, recommendations were developed for Areas 48/49 to maintain LUC effectiveness. Table 2-13 presents these recommendations from the 2021 LUC inspection.

Table 2-13: Recommendations for OU 4 Areas 48/49, Seaplane Base Landfill

LUC Descriptions	Recommendations from 2021 Inspections
<ul style="list-style-type: none"> Ensure that land use remains commercial and/or industrial, which includes a prohibition on development and use of this property for residential housing, elementary and secondary schools, childcare facilities, and playgrounds Use restrictions to prevent ground disturbance via excavation or other ground disturbing activities in the area of former construction debris landfill 	<ul style="list-style-type: none"> Although a soil cover/cap is not part of the selected remedy or LUCs, a best management practice would be to continue to monitor site conditions, including potential soil cracking, slumping, and animal burrowing. Although not part of the LUCs implemented within the area, conduct periodic inspections, and maintenance if needed, of the southern boundary of Areas 48/49 to maintain integrity of the landfill cover.

Acronyms: LUC = land use control

2.9 Operable Unit 5, Area 1, Former Beach Landfill

2.9.1 Site-Specific Land Use Controls and Findings

Per the LUCIP (Liberty JV, 2020), the following LUCs are required for OU 5, Area 1, Former Beach Landfill:

- Ensure that land use remains commercial and/or industrial, which includes a prohibition on development and use of this property for residential housing, elementary and secondary schools, childcare facilities, and playgrounds.
- No use of groundwater from, or downgradient of, the area except for monitoring and remediation, except as approved by U.S. EPA and Ecology.
- No downgradient well drilling except for monitoring wells and/or remediation system wells authorized by U.S. EPA and Ecology in approved plans.
- Protect existing monitoring wells.
- Use restrictions to prevent ground disturbance via digging and/or construction activities in the area of former construction debris landfill.
- Ensure that shoreline armoring is in place and functioning as intended.
- Annual visual monitoring of the erosional bluff for five years.

A site map illustrating the CERCLA LUC Area location and boundary for OU 5, Area 1, Former Beach Landfill is presented on Figure 2-9.

The following findings have been determined for OU 5, Area 1, Former Beach Landfill LUCs during the 2021 inspection:

- Land use remains commercial and/or industrial; land use has not changed since before the ESD (U.S. Navy, 2007).
- There has been no unapproved use of groundwater from, or downgradient of, the area since the 2020 LUC inspection.
- No downgradient wells have been installed since the 2020 LUC inspection.
- Existing monitoring wells are protected.
- No ground disturbance via digging and/or construction activities has occurred since the 2020 LUC inspection.
- The shoreline armoring is in place and functioning as intended.
- No drinking water wells have been installed, and no residential development has taken place.
- No unapproved disturbance or use of the site has taken place.

2.9.2 Site Walk-through Observations

Area 1, Former Beach Landfill, was inspected on 12 October 2021. A site map illustrating the locations of photographs taken during the 2021 LUC inspection, including photo identification numbers keyed to the photograph log in Appendix B, is presented on Figure 2-9. This section documents general site observations made during the site walk-through and not just those that pertain to the effectiveness of the site-specific LUCs.

Based on the field inspection, Area 1 land use has not changed and remains commercial and/or industrial. The temporary road leading from Saratoga Street toward groundwater monitoring well MW-103 was still evident. This road serviced the installation of the new seawall riprap wall at the southwest corner of the area, which was constructed prior to the 2017 inspection (Battelle, 2020). Additionally, some temporary erosion control features and construction remnants (e.g., straw wattles, plastic tarping, and temporary fencing) from the seawall construction were left in place (see Appendix B [Photos I3 and I8]).

In early 2013, the U.S. Navy constructed a permanent seawall along 1,440 feet of shoreline, including 940 feet along Area 1, Former Beach Landfill, in response to

surveying and annual visual inspections conducted in 2010 and 2011. The 2010 and 2011 inspections confirmed that storm events prior to 2010 washed out much of the riprap, leading to severe erosion (U.S. Navy, 2018). Along the northeast section of the seawall, a small amount of intact plastic black netting (that is part of the erosion control marine mattress) was observed through the armor stone at multiple locations during the 2021 inspection (see Appendix B [Photo I13]). No instances of the engineered marine mattress being ripped or displaced from the seawall were observed, and the marine mattress is functioning as intended. Overall, the seawall was intact and appeared to be in good condition (see Appendix B [Photos I11 and I12]).

During the 2021 inspection, the landfill cover appeared to be intact and in good condition (see Appendix B [Photos I1 and I6]).

Signage at Area 1 was minimized at the direction of the prior NAS Whidbey Island Commanding Officer (Battelle, 2020). Signage along the recreational path to the east and north of the area and on the construction access road (see Appendix B [Photos I2 and I7]) is sufficient for the assigned LUCs. Recreational access is not restricted by LUCs for Area 1. The site is not bounded by a fence but is frequently patrolled by NAS Whidbey Island Base Security.

The groundwater monitoring network includes a total of three wells (i.e., TP-101, MW-18, and MW-103) that are included in LUC inspections. As part of the field inspection, the condition of these groundwater monitoring wells at Area 1 was reviewed and documented on the monitoring well inspection checklist (see Appendix C). Photographs of each monitoring well are provided in Appendix B. A summary of findings at each monitoring well is provided in Table 2-14. Monitoring wells located and accessed within Area 1 during the 2021 LUC inspection were secured with new padlocks during the 2021 inspection.

Table 2-14: Monitoring Wells at OU 5 Area 1, Former Beach Landfill

Well ID	Northing	Easting	Photograph No. (Appendix B)	Comments from 2021 Inspections
MW-18	496345.40	1191195.00	I5	-
TP-101	496259.00	1191190.00	I14	-
MW-103	495609.60	1190759.00	I9	-

Abbreviation: ID = identification

Based on the field inspection and a review of well records from Ecology and the Island County Department of Environmental Health, there is no visual or administrative evidence of groundwater use or well installation activities within or downgradient of the area (see Appendix E). In addition, there were no incident reports or issues within the area.

2.9.3 Conclusion and Recommendations

Overall, the LUCs for Area 1 are functioning as intended to protect human receptors from exposure to the buried landfill material and groundwater. Based on the field observations and findings, recommendations were developed for Area 1 to maintain LUC effectiveness. Table 2-15 presents these recommendations from the 2021 LUC inspection.

Table 2-15: Recommendations for OU 5 Area 1, Former Beach Landfill

LUC Descriptions	Recommendations from 2021 Inspections
<ul style="list-style-type: none"> • Ensure that land use remains commercial and/or industrial, which includes a prohibition on development and use of this property for residential housing, elementary and secondary schools, childcare facilities, and playgrounds • No use of groundwater from, or downgradient of, the area except for monitoring and remediation, except as approved by U.S. EPA and Ecology • No downgradient well drilling except for monitoring wells and/or remediation system wells authorized by U.S. EPA and Ecology in approved plans • Protect existing monitoring wells • Use restrictions to prevent ground disturbance via digging and/or construction activities in the area of former construction debris landfill • Ensure that shoreline armoring is in place and functioning as intended • Annual visual monitoring of the erosional bluff for five years 	<ul style="list-style-type: none"> • Although a soil cover/cap is not part of the selected remedy or LUCs, a best management practice would be to continue to monitor site conditions, including potential soil cracking, slumping, and animal burrowing. • Although not a LUC for this site, complete minor and periodic maintenance to the monitoring wells, as needed. • Conduct periodic maintenance of the shoreline armoring to ensure its integrity, as needed.

Acronyms/Abbreviations:

Ecology = Washington State Department of Ecology; LUC = land use control; U.S. EPA = United States Environmental Protection Agency

2.10 Operable Unit 5, Area 31, Former Runway Fire Training School

2.10.1 Site-Specific Land Use Controls and Findings

Per the LUCIP (Liberty JV, 2020), the following LUCs are required for OU 5, Area 31, Former Runway Fire Training School:

- Ensure that land use remains commercial and/or industrial, which includes a prohibition on development and use of this property for residential housing, elementary and secondary schools, childcare facilities, and playgrounds.
- No use of groundwater from, or downgradient of, the area except for monitoring and remediation, as approved by U.S. EPA and Ecology.
- No downgradient well drilling except for monitoring wells and/or remediation system wells authorized by U.S. EPA and Ecology in approved plans.
- Protect existing monitoring wells.

A site map illustrating the CERCLA LUC Area location and boundary for OU 5, Area 31, Former Runway Fire Training School is presented on Figure 2-10.

The following findings have been determined for OU 5, Area 31, Former Runway Fire Training School LUCs during the 2021 inspection:

- Land use remains commercial and/or industrial; land use has not changed since before the ESD (U.S. Navy, 2007).
- There has been no unapproved use of groundwater from, or downgradient of, the area since the 2020 LUC inspection.
- No downgradient wells have been installed since the 2020 LUC inspection.
- Existing monitoring wells are protected.

2.10.2 Site Walk-through Observations

Area 31, Former Runway Fire Training School, was inspected on 14 October 2021. A site map illustrating the locations of photographs taken during the 2021 LUC inspection, including photo identification numbers keyed to the photograph log in Appendix B, is presented on Figure 2-10. This section documents general site observations made during the site walk-through and not just those that pertain to the effectiveness of the site-specific LUCs.

Based on the field inspection, Area 31 land use has not changed and remains commercial and/or industrial. In addition, there were no observed or documented ground-disturbance activities (e.g., excavation or construction). Area 31 is located within the active secured NAS Whidbey Island Airfield adjacent to active runways; therefore, it does not have its own security fencing system. However, the area is monitored by NAS Whidbey Island Base Security on a routine basis, and access requires coordination with base security. Historical reports document that all remedial systems have been removed from the area. However, one shed housing remedial system equipment, fencing, and associated aboveground piping was observed during all inspections conducted from 2014 to present (see Appendix B [Photos J2, J7, and J8]).

Signage adequately covers the northwest, southwest, and northeast corners of the area along with the southwest portion of the area adjacent to the shed (see Appendix B [Photos J1, J2, and J3]). Overall, the signage is appropriate and readable from the three security roads accessing Area 31.

The groundwater monitoring network includes two monitoring wells (OWS-1 and MW-31-9A) that are included in LUC inspections. As part of the field inspection, the condition of these groundwater monitoring wells at Area 31 was reviewed and

documented on the monitoring well inspection checklist (see Appendix C). Photographs of each monitoring well are provided in Appendix B. A summary of findings at each monitoring well is provided in Table 2-16. Monitoring wells located and accessed within Area 31 during the 2021 LUC inspection were secured with new padlocks during the 2021 inspection.

Table 2-16: Monitoring Wells at OU 5 Area 31, Former Runway Fire Training School

Well ID	Northing	Easting	Photograph No. (Appendix B)	Comments from 2021 Inspections
OWS-1	499423.30	1197728.00	J5	Missing cover bolts; vault full of water
MW-31-9A	499465.30	1197737.00	J6	Missing cover bolts; vault full of water

Abbreviation: ID = Identification

Based on the field inspection and a review of well records from Ecology and the Island County Department of Environmental Health, there is no visual or administrative evidence of groundwater use or well installation activities within or downgradient of the area (see Appendix E). In addition, there were no incident reports or access control issues within the Area.

2.10.3 Conclusion and Recommendations

Overall, the LUCs for Area 31 are functioning as intended to protect human receptors from exposure to groundwater. Based on the field observations and findings, recommendations were developed for Area 31 to maintain LUC effectiveness. Table 2-17 presents these recommendations from the 2021 LUC inspection.

Table 2-17: Recommendations for OU 5 Area 31, Former Runway Fire Training School

LUC Descriptions	Recommendations from 2021 Inspections
<ul style="list-style-type: none"> Ensure that land use remains commercial and/or industrial, which includes a prohibition on development and use of this property for residential housing, elementary and secondary schools, childcare facilities, and playgrounds No use of groundwater from, or downgradient of, the area except for monitoring and remediation, as approved by U.S. EPA and Ecology No downgradient well drilling except for monitoring wells and/or remediation system wells authorized by U.S. EPA and Ecology in approved plans Protect existing monitoring wells 	<ul style="list-style-type: none"> Although not a LUC for this site, complete minor and periodic maintenance of the monitoring wells.

Acronyms/Abbreviations:

Ecology = Washington State Department of Ecology; LUC = land use control; U.S. EPA = United States Environmental Protection Agency

2.11 Operable Unit 5, Area 52, Jet Engine Test Cell

2.11.1 Site-Specific Land Use Controls and Findings

Per the LUCIP (Liberty JV, 2020), the following LUCs are required for OU 5, Area 52, Jet Engine Test Cell:

- Ensure that land use remains commercial and/or industrial, which includes a prohibition on development and use of this property for residential housing, elementary and secondary schools, childcare facilities, and playgrounds.
- No use of groundwater from, or downgradient of, the area except for monitoring and remediation, except as approved by U.S. EPA and Ecology.
- No downgradient well drilling except for monitoring wells and/or remediation system wells authorized by U.S. EPA and Ecology in approved plans.
- Protect existing monitoring wells.
- In the event of property transfer include (future) deed covenants to restrict land use and drinking water well construction.

A site map illustrating the CERCLA LUC Area location and boundary for OU 5, Area 52, Jet Engine Test Cell is presented on Figure 2-11.

The following findings have been determined for OU 5, Area 52, Jet Engine Test Cell LUCs during the 2021 inspection:

- Land use remains commercial and/or industrial; land use has not changed since before the ESD (U.S. Navy, 2007).
- There has been no unapproved use of groundwater from, or downgradient of, the area since the 2020 LUC inspection.
- No downgradient wells have been installed since the 2020 LUC inspection.
- Existing monitoring wells are protected.
- The property is still under the ownership of the U.S. Navy; there are no new property deeds.

2.11.2 Site Walk-through Observations

Area 52, Jet Engine Test Cell, was inspected on 12 October 2021. A site map illustrating the locations of photographs taken during the 2021 LUC inspection, including photo identification numbers keyed to the photograph log in Appendix B, is presented on Figure 2-11. This section documents general site observations made during the site

walk-through and not just those that pertain to the effectiveness of the site-specific LUCs.

Based on the field inspection, Area 52 remains commercial and/or industrial. Several buildings in the area—along with an aboveground storage tank at the northeast corner of the area—were demolished in 2019 (Battelle, 2020) (see Appendix B [Photos K1 and K3]). The former footprints of these foundations showed signs of regrading. Surface areas along the southern border of Area 52 were also regraded and revegetated near the stairs leading to N. Saratoga Street (see Appendix B [Photo K4]).

The site is not bounded by a fence; however, it is frequently monitored by NAS Whidbey Island Base Security.

Along the northeast section of the seawall, intact plastic black netting (that is part of the erosion control marine mattress) was observed through the armor stone at multiple locations (see Appendix B [Photo K10]). Overall, the seawall was intact and appeared to be in good condition (see Appendix B [Photo K11]).

Although signage at Area 52 was minimized at the direction of the prior NAS Whidbey Island Commanding Officer (Battelle, 2020), the remaining signage is sufficient for the assigned LUCs.

As noted in the 2020 LUC inspection (Liberty JV, 2021b), the monitoring wells at Area 52 were removed from the LUC inspection program per the 2014 *Land Use Controls Implementation Plan, NAS Whidbey Island, Oak Harbor, Washington* (URS, 2014). One existing monitoring well remains on site. During the 2020 LUC inspection, the flush-mount cap on this monitoring well appeared to be damaged. During the 2021 inspection, this monitoring well was observed to have been repaired and is pictured in Appendix B, Photo K13.

Based on the field inspection and Ecology well records for Island County, there is no visual or administrative evidence of groundwater use or well installation activities within or downgradient of the area (see Appendix E). In addition, there were no incident reports or access control issues within the area.

2.11.3 Conclusion and Recommendations

Overall, the LUCs for Area 52 are functioning as intended to protect human receptors from exposure to groundwater. Based on the field observations and findings, recommendations were developed for Area 52 to maintain LUC effectiveness. Table 2-18 presents these recommendations from the 2021 LUC inspection.

Table 2-18: Recommendations for OU 5 Area 52, Jet Engine Test Cell

LUC Descriptions	Recommendations from 2021 Inspections
<ul style="list-style-type: none"> • Ensure that land use remains commercial and/or industrial, which includes a prohibition on development and use of this property for residential housing, elementary and secondary schools, childcare facilities, and playgrounds • No use of groundwater from, or downgradient of, the area except for monitoring and remediation, except as approved by U.S. EPA and Ecology • No downgradient well drilling except for monitoring wells and/or remediation system wells authorized by U.S. EPA and Ecology in approved plans • Protect existing monitoring wells • In the event of property transfer include (future) deed covenants to restrict land use and drinking water well construction 	<ul style="list-style-type: none"> • Although not a LUC for this site, conduct periodic seawall inspections and maintenance if needed to maintain seawall integrity.

Acronyms/Abbreviations:

Ecology = Washington State Department of Ecology; LUC = land use control; U.S. EPA = United States Environmental Protection Agency

2.12 Site 22, Hangar 5

2.12.1 Site-Specific Land Use Controls and Findings

Per the LUCIP (Liberty JV, 2020), the following LUCs are required for Site 22, Hangar 5:

- Ensure that land use remains industrial, which includes a prohibition on development and use of this property for residential housing, elementary and secondary schools, childcare facilities, and playgrounds.
- No use of groundwater from, or downgradient of, the area except for monitoring and remediation, as approved by U.S. EPA and Ecology.
- No downgradient well drilling except for monitoring wells and/or remediation system wells authorized by U.S. EPA and Ecology in approved plans.
- Protect existing monitoring wells.
- Ensure that all disturbed or excavated soils at or from the area are properly categorized and disposed of, and that workers are protected during any such disturbance or excavation.

A site map illustrating the CERCLA LUC Area location and boundary for Site 22, Hangar 5 is presented on Figure 2-12.

The following findings have been determined for Site 22, Hangar 5, LUCs during the 2021 inspection:

- Land use remains commercial and/or industrial; land use has not changed since the 2020 LUC inspection.

- There has been no unapproved use of groundwater from, or downgradient of, the area since the 2020 LUC inspection.
- No downgradient wells have been installed since the 2020 LUC inspection.
- Existing monitoring wells are protected.
- No disturbance or excavation of soils at or from the area has been conducted since the 2020 LUC inspection.

2.12.2 Site Walk-through Observations

Site 22, Hangar 5, was inspected on 14 October 2021. A site map illustrating the locations of photographs taken during the 2021 LUC inspection, including photo identification numbers keyed to the photograph log in Appendix B, is presented on Figure 2-12. This section documents general site observations made during the site walk-through and not just those that pertain to the effectiveness of the site-specific LUCs.

Based on the 2021 LUC inspection, Site 22, Hangar 5, is used for aircraft parking and maintenance, consistent with the assigned LUC of industrial use. The site is located within the active secured NAS Whidbey Island Airfield adjacent to Hangar 5, serving as a parking apron for military aircraft. Site 22, Hangar 5, is continuously monitored by NAS Whidbey Island Base Security, and access requires airfield security clearance. No site photos other than those of the groundwater monitoring wells were collected due to security requirements. There is no signage within the site indicating a CERCLA controlled site or LUC requirements because signage is not permitted per the Mission Critical Active Runway FAA requirements.

Based on the field inspection and a review of well records from Ecology and the Island County Department of Environmental Health, there is no visual or administrative evidence of groundwater use or well installation activities within or downgradient of the site (see Appendix E). In addition, there were no incident reports or access control issues within the site.

The groundwater monitoring network includes three monitoring wells (H5-MW-1, H5-MW-2, and H5-MW-3) that are included in LUC inspections. As part of the field inspection, the condition of these groundwater monitoring wells was reviewed and documented on the monitoring well inspection checklist (see Appendix C). Photographs of each monitoring well are provided in Appendix B. A summary of findings at each monitoring well is provided in Table 2-19. Unless otherwise noted in Table 2-19, monitoring wells located and accessed within Site 22 during the 2021 LUC inspection were secured with new padlocks during the 2021 inspection.

Table 2-19: Monitoring Wells at Site 22, Hangar 5

Well ID	Northing	Easting	Photograph No. (Appendix B)	Comments from 2021 Inspections
H5-MW-1	496945.29	1193376.92	L3	Unable to secure new lock; well cap is submerged; vault full of water
H5-MW-2	497041.79	1193312.17	L1	Vault full of water
H5-MW-3	497045.24	1193467.39	L2	Unable to secure new lock; well cap is submerged; vault full of water

Abbreviation: ID = identification

2.12.3 Conclusion and Recommendations

Overall, the LUCs for Site 22, Hangar 5, are functioning as intended to protect human receptors from exposure to soil and groundwater. Based on the field observations and findings, recommendations were developed for Site 22, Hangar 5, to maintain LUC effectiveness. Table 2-20 presents these recommendations from the 2021 LUC inspection.

Table 2-20: Recommendations for Site 22, Hangar 5

LUC Descriptions	Recommendations from 2021 Inspections
<ul style="list-style-type: none"> Ensure that land use remains industrial, which includes a prohibition on development and use of this property for residential housing, elementary and secondary schools, childcare facilities, and playgrounds No use of groundwater from, or downgradient of, the area except for monitoring and remediation, as approved by U.S. EPA and Ecology No downgradient well drilling except for monitoring wells and/or remediation system wells authorized by U.S. EPA and Ecology in approved plans Protect existing monitoring wells Ensure that all disturbed or excavated soils at or from the area are properly categorized and disposed of, and that workers are protected during any such disturbance or excavation 	<ul style="list-style-type: none"> Although not a LUC for this site, complete minor and periodic maintenance to the monitoring wells, as needed.

Acronyms/Abbreviations:

Ecology = Washington State Department of Ecology; LUC = land use control; U.S. EPA = United States Environmental Protection Agency

2.13 Site EO354, Former Machine Gun Ranges B & C

2.13.1 Site-Specific Land Use Controls and Findings

Per the LUCIP (Liberty JV, 2020), the following LUCs are required for Site EO354, Former MGRs B & C:

- Ensure that site is used for non-residential purposes only; non-residential land uses may include recreational, industrial, commercial, office, and educational uses.

- Ensure that all disturbed or excavated soils at or from the area are properly categorized and disposed of, and that workers are protected during any such disturbance or excavation.

A site map illustrating the MRP LUC Area location and boundary for Site EO354, Former MGRs B & C is presented on Figure 2-13.

The following findings have been determined for Site EO354, Former MGRs B & C, LUCs during the 2021 inspection:

- Land use remains non-residential; land use has not changed since the 2020 LUC inspection.
- No disturbance or excavation of soils at or from the area has been conducted since the 2020 LUC inspection.

2.13.2 Site Walk-through Observations

Former MGRs B & C were inspected on 14 October 2021. A site map illustrating the locations of photographs taken during the 2021 LUC inspection, including photo identification numbers keyed to the photograph log in Appendix B, is presented on Figure 2-13. This section documents general site observations made during the site walk-through and not just those that pertain to the effectiveness of the site-specific LUCs.

Based on the field inspection, land use has not changed and remains for non-residential purposes. In addition, there was no evidence of recent ground disturbance (see Appendix B [Photos M1, M2, M5, and M6]). There is an old, partially collapsed wooden fence that traverses the site from the center of the eastern boundary toward the west (see Appendix B [Photos M7 and M8]). In addition, a large antenna within security fencing is located just west of the central eastern boundary. These observations were previously reported during the 2014 to 2020 LUC inspections (Liberty JV, 2021b).

The site is bounded by three-strand barbed wire fence along the southern and eastern borders. The general public has access to the western boundary of the site, along the beachfront. During the 2021 inspection, evidence of pedestrians was observed (footprints) along the beachfront and the well-defined path adjacent to the beachfront. The northern boundary is delineated by a three-strand barbed wire fence, which does not fully extend to the west (beachfront). It is noted that the LUCs applicable at the site do not prohibit recreational use. Signage adequately covers Cowpens Road on the northeastern area of the site (see Appendix B [Photo M4]). Additional signage is present at the southern end of the western boundary at the beach access point (see Appendix B [Photo M17]). Signage north of the western boundary at the beach access point (see

Appendix B [Photos M10 and M11]) is associated with the active range. The active range is located adjacent to the northern boundary of the site. The site is infrequently patrolled by NAS Whidbey Island Base Security.

There have been no incident reports or access control issues within the site. The entire central portion of Former MGRs B & C, from the northern boundary to the southern boundary, was not accessible by foot due to thick, impassable vegetation, overgrowth, and boggy terrain.

2.13.3 Conclusion and Recommendations

Overall, the LUCs for Site EO354, Former MGRs B & C, are functioning as intended to protect human receptors from exposure to soil. Based on the field observations and findings from the 2021 LUC inspection, no recommendations needed to be developed for Former MGRs B & C to maintain LUC effectiveness (Table 2-21).

Table 2-21: Recommendations for Site EO354, Former Machine Gun Ranges B & C

LUC Descriptions	Recommendations from 2021 Inspections
<ul style="list-style-type: none"> Ensure that site is used for non-residential purposes only; non-residential land uses may include recreational, industrial, commercial, office, and educational uses. Ensure that all disturbed or excavated soils at or from the area are properly categorized and disposed of, and that workers are protected during any such disturbance or excavation. 	<ul style="list-style-type: none"> None

Acronyms: LUC = land use control

2.14 Site EO354, Former Mobile Turret Tower Range

2.14.1 Site-Specific Land Use Controls and Findings

Per the LUCIP (Liberty JV, 2020), the following LUCs are required for Site EO354, Former MTTR:

- Ensure that site is used for non-residential purposes only; non-residential land uses may include recreational, industrial, commercial, office, and educational uses.
- Ensure that all disturbed or excavated soils at or from the area are properly categorized and disposed of, and that workers are protected during any such disturbance or excavation.

A site map illustrating the MRP LUC Area location and boundary for Site EO354, Former MTTR is presented on Figure 2-13.

The following findings have been determined for Site EO354, Former MTTR, LUCs during the 2021 inspection:

- Land use remains non-residential; land use has not changed since the 2020 LUC inspection.
- No disturbance or excavation of soils at or from the area has been conducted between the 2020 and 2021 LUC inspections.

2.14.2 Site Walk-through Observations

Former MTTR was inspected on 15 October 2021. A site map illustrating the locations of photographs taken during the 2021 LUC inspection, including photo identification numbers keyed to the photograph log in Appendix B, is presented on Figure 2-13. This section documents general site observations made during the site walk-through and not just those that pertain to the effectiveness of the site-specific LUCs.

Based on the field inspection, land use has not changed and remains for non-residential purposes. In addition, there was no evidence of any recent ground disturbance or construction activities (see Appendix B [Photos N1 through N4 and N11]). Consistent with the 2020 LUC inspection, a groundwater monitoring well was observed within the boundaries of the site during the 2021 LUC Inspection. The well monument has a metal tag identifying the well as MW-613 with a 2018 installation date (see Appendix B [Photo N5]). Well MW-613 was installed during the Phase 1 Ault Field PFAS Site Inspection and is not related to the pre-existing lead contamination at Former MTTR. Well MW-613 does not require inspection as part of the LUCs. Twenty-eight 55-gallon drums and four totes of investigation-derived waste with secondary containment observed during the 2020 LUC inspection were still staged along the southeast corner of the site during the 2021 inspection (see Appendix B [Photos N9 and N10]). The drums and totes contained water and soil from the Phase 2 Ault Field PFAS Site Inspection; according to the Navy RPM for the PFAS investigation, these containers were removed after the 2021 field inspection was completed. Soil and debris are still present at the site, including a soil stockpile near the southeast corner of the site and concrete slab debris at the northwest corner of the open field. This debris was previously reported in the 2016 to 2020 LUC inspections.

The site is bounded on the southern and southeastern boundaries by three-strand barbed wire fence. The southwestern and western areas of the Former MTTR are not bounded by a fence, although the western boundary of the site is adjacent to a steep slope that extends down to the beachfront. The northern boundary of the site is bounded by chain-linked fence and is frequently patrolled by NAS Whidbey Island Base Security.

Signage at the site appeared to be adequate, though no signage was observed to define the eastern or southwestern boundaries of the Former MTTR. Signage is present at a gated access point from the base at the northern boundary of the site (see Appendix B [Photo N13]), at the gate off Clover Valley Road (see Appendix B [Photo N8]), and in the southeast corner of the site (see Appendix B [Photo N12]).

2.14.3 Conclusion and Recommendations

Overall, the LUCs for Site EO354, Former MTTR, are functioning as intended to protect human receptors from exposure to soil. Based on the field observations and findings from the 2021 LUC inspection, no recommendations needed to be developed for Former MTTR to maintain LUC effectiveness (Table 2-22).

Table 2-22: Recommendations for Site EO354, Former Mobile Turret Tower Range

LUC Descriptions	Recommendations from 2021 Inspections
<ul style="list-style-type: none"> Ensure that site is used for non-residential purposes only; non-residential land uses may include recreational, industrial, commercial, office, and educational uses. Ensure that all disturbed or excavated soils at or from the area are properly categorized and disposed of, and that workers are protected during any such disturbance or excavation. 	<ul style="list-style-type: none"> None

Acronyms: LUC = land use control

2.15 Site EO351, Former Lake Hancock Target Range

2.15.1 Site-Specific Land Use Controls and Findings

Per the LUCIP (Liberty JV, 2020), the following LUCs are required for Site EO351, Former Lake Hancock Target Range:

- Ensure that site is used for military purposes only.
- Ensure UXO support during intrusive/construction, ground-disturbing activities (up to 10 feet below ground surface [bgs]).
- Ensure perimeter fencing is intact to restrict access to site.
- Ensure signage is intact and readable, designating site as a restricted access area and potential UXO area.

A site map illustrating the MRP LUC Area location and boundary for Site EO351, Former Lake Hancock Target Range is presented on Figure 2-14.

The following findings have been determined for Site EO351, Former Lake Hancock Target Range, LUCs during the 2021 inspection:

- Site use remains for military purposes only.
- No intrusive/construction or ground-disturbing activities have been conducted since the last LUC inspection.
- Perimeter fencing has been added, repaired, and replaced, and is largely intact with a few exceptions. Instances of minor trespassing have been noted and are being addressed by Base Security.
- All signage designating the site as a restricted access area and potential UXO area is intact and readable.

2.15.2 Site Walk-through Observations

Former Lake Hancock Target Range was inspected on 13 October 2021. A site map illustrating the locations of photographs taken during the 2021 LUC inspection, including photo identification numbers keyed to the photograph log in Appendix B, is presented on Figure 2-14. This section documents general site observations made during the site walk-through and not just those that pertain to the effectiveness of the site-specific LUCs.

Based on the field inspection, land use has not changed and remains for military purposes only.

Numerous points of trespassing were identified during the 2019 (Battelle, 2020) and 2020 (Liberty JV, 2021b) LUC inspections. Former Lake Hancock Target Range is bounded by residential neighborhoods to the north and south and Washington State Route 525 (WA-525) to the east. Several established trails were identified that access either just inside the U.S. Navy property or lead to the beachfront on the western boundary of the site. Specifically, the following potential trespassing locations were identified during the 2021 LUC inspection:

- Paths from the bus stop at the northeast side of the property boundary lead to a former encampment just inside U.S. Navy property, from which someone was evicted, as noted during the 2019 LUC inspection (Battelle, 2020) (see Appendix B [Photos O2, O3, and O4]). New fencing and new signage (see Appendix B [Photos O4 and O7]) have been installed along the northeast side of the property boundary.
- A trail from the northwest corner of the property leads to the residential properties to the north of the site; a new sign has been installed (see Appendix B [Photo O13]). Newly installed fencing ends short of an overhanging cliff edge, and vegetation has been cleared by trespassers to gain access (see Appendix B [Photo O14]).

- A driftwood shelter, identified during previous inspections, remains at the north spit of the inlet of Lake Hancock (see Appendix B [Photo O21]).
- An old roadway leads from WA-525 at the northeast corner of the site (see Appendix B [Photos O36 and O37]).
- An area behind the guardrail along WA-525 on the eastern side of the site has a newly installed fence (see Appendix B [Photo O35]).
- The main access gate at the eastern side of the site along WA-525. A new gate and barbed wire fencing have been installed (see Appendix B [Photo O34]).
- A trail leads just inside U.S. Navy property from the corner of WA-525 and Smugglers Cove Road (see Appendix B [Photos O24 and O25]). New fencing and signage have been installed along the southeastern boundary.
- New signs have been installed along Smugglers Cove Road at the vehicle pull-off just south of the site (see Appendix B [Photo O23]).
- A well-used trail leads to the beachfront from the residential properties at the southwest corner of the site (see Appendix B [Photo O26]). New fencing and signage were installed at the southwestern boundary (see Appendix B [Photos O27 and O28]).
- A well-used trail to the beachfront from the southern side of the site leads to a gravel residential road and property, which shows signs of tree clearing, as noted during the 2019 (Battelle, 2020) and 2020 (Liberty JV, 2021b) LUC inspections (see Appendix B [Photos O26 and O30]).
- A well-used trail leads farther southeast to more residential properties (see Appendix B [Photo O33]). New signage has been installed at the southwestern boundary of the site where several well-used trails merge.

Accessing the area described as the surface clearance removal action boundary (Figure 2-14) would be most easily accomplished by the trails in the southwestern corner of the site that lead directly to the beach area (see Appendix B [Photos O27 through O30]). Accessing the inner Former Target Area would require crossing the wetland, fording the inlet of Lake Hancock, or traversing the marshland at low tide and circumventing the recently installed fencing, as noted in the 2019 LUC inspection (Battelle, 2020). In general, the site is fenced with three-strand barbed wire fence along the southern and northern boundaries. The eastern boundary is fenced with three-strand barbed wire fence, but the fencing is discontinuous in certain areas. Furthermore, the beach area is accessible by boat due to its location adjacent to the beachfront or by

beachgoers simply walking in from the beachfront south or north of the site. The site is not frequently patrolled by NAS Whidbey Island Base Security.

During the 2020 LUC inspection (Liberty JV, 2021b), newly installed fencing in the southwestern corner of the site was observed to have been removed. Fencing installed in the southwestern corner of the site was previously reported to be cleanly removed within weeks of installation (Battelle, 2020). However, newly installed fencing in the southwestern corner of the site observed during the 2021 LUC inspection has been maintained and appears to successfully prevent access to the surface clearance removal action boundary and the Former Target Area (see Appendix B [Photos O27 through O29]).

Adequate signage exists to notify trespassers of the property boundary and the hazards associated with the MRP site (see Appendix B [Photos O1, O7, O13, O16, O19, O23, O26, O27, and O34]).

It is likely that the public is using the trails observed at the northwestern and southwestern corners of the site simply to access the Lake Hancock natural area, and pristine beaches to the north and south of the U.S. Navy property boundaries as well as the beach on the western boundary of the site. Steep shoreline cliffs quickly rise to the north and south of Former Lake Hancock Target Range, rendering the gently sloping trails at the northwest and southwest corners of the site as the only tenable route to these non-Navy property beachfronts. The nearest beach access points are otherwise 2.8 kilometers to the south of the U.S. Navy property (Lagoon Point County Park) or 1 kilometer north of the U.S. Navy property (via Teronda Beach Road).

2.15.3 Conclusion and Recommendations

Overall, the LUCs for Site EO351, Former Lake Hancock Target Range, are functioning as intended to protect human receptors from exposure to unexploded ordinance. Based on the field observations and findings, recommendations were developed for the Former Lake Hancock Target Range to maintain LUC effectiveness. Table 2-23 presents these recommendations from the 2021 LUC inspection.

Table 2-23: Recommendations for Site EO351, Former Lake Hancock Target Range

LUC Descriptions	Recommendations from 2021 Inspections
<ul style="list-style-type: none"> • Ensure that site is used for military purposes only. • Ensure UXO support during intrusive/construction, ground-disturbing activities (up to 10 feet bgs). • Ensure perimeter fencing is intact to restrict access to site. • Ensure signage is intact and readable, designating site as a restricted access area and potential UXO area. 	<ul style="list-style-type: none"> • Maintain signage at the three well-used trespassing trails in the southwestern section of the site. Place signs at trailheads where they meet the property boundary, preferably hidden from residents but clearly visible to trespassers on the trails. • Ensure fencing is maintained at the southwestern corner of the Beach Area, and consider replacing with a chain-link fence with a lockable swing gate at the trail's end.

Acronyms/Abbreviations: bgs = below ground surface; LUC = land use control; UXO = unexploded ordnance

2.16 Site 36, Former Fuel Farm 1

2.16.1 Site-Specific Land Use Controls and Findings

Per the LUCIP (Liberty JV, 2020), the following LUCs are required for Site 36, Former Fuel Farm 1:

- Ensure that land use remains industrial with restricted recreational land use limited to the Upper Area along paved footpaths with traffic confined to specific areas by signs and barrier vegetation and along paved athletic areas.
- No use of groundwater from, or downgradient of, the area except for monitoring and remediation, except as approved by U.S. EPA and Ecology.
- No downgradient well drilling except for monitoring wells and/or remediation system wells authorized by U.S. EPA and Ecology in approved plans.
- Protect existing monitoring wells.
- Ensure that all disturbed or excavated soils at or from the site are properly categorized and disposed of, and that workers are protected during any such disturbance or excavation.
- Maintain controlled access and security fencing for Tank 226 and the Resource Conservation and Recovery Act satellite accumulation point.
- Deed restrictions placing limiting conditions on property conveyance; prohibiting well construction; restricting land use and construction activity; and requiring notification of U.S. EPA, Ecology, or their designees of intent to transfer interest in the property, modify land use, or implement construction activity and the requirement of agency approvals for such actions.

A site map illustrating the Petroleum Site LUC Area location and boundary for Site 36, Former Fuel Farm 1 is presented on Figure 2-15.

The following findings have been determined for Site 36, Former Fuel Farm 1, LUCs during the 2021 inspection:

- Land use remains industrial with restricted recreational land use limited to the Upper Area along paved footpaths; land use has not changed since the 2020 LUC inspection.
- There has been no unapproved use of groundwater from, or downgradient of, the area since the 2020 LUC inspection.
- No downgradient wells or remediation system wells have been installed since the 2020 LUC inspection.
- Existing monitoring wells are protected.
- No ground disturbance or construction activities have been conducted since the 2020 LUC inspection.
- Security fencing for Tank 226 and the satellite accumulation point is maintained, and access is controlled.
- The property is still under the ownership of the U.S. Navy; there are no new property deeds.

2.16.2 Site Walk-through Observations

Former Fuel Farm 1 was inspected on 15 October 2021. A site map illustrating the locations of photographs taken during the 2021 LUC inspection, including photo identification numbers keyed to the photograph log in Appendix B, is presented on Figure 2-15. This section documents general site observations made during the site walk-through and not just those that pertain to the effectiveness of the site-specific LUCs.

Within both the Lower and Upper Areas, land use has not changed and remains for industrial purposes. Also, there was no evidence of soil excavation (see Appendix B [Photos P19, P21, and P49 through P51]). However, there was evidence of land subsidence in the northern end of the Upper Area (see Appendix B [Photo P26]). As a result, the concrete apron and steel monument of monitoring wells MW-304 and MW-323 are no longer firmly secure and set in the ground (see Appendix B [Photos P32 and P25, respectively]).

Within the Lower Area, which serves as a marina, there are administrative and storage buildings, as well as a yard area used to store boats. The pump station, located in the southeastern corner of the marina and surrounded by aboveground fuel lines, appears to be the area most actively used by Navy personnel. Both the pump station and

aboveground fuel lines are secured by chain-link fencing and a locked gate. No other portion within the Lower Area is fenced.

Within the Upper Area, no activity was observed during the inspection. The northern portion of the Upper Area is an open field, not secured or under any access restrictions (see Appendix B [Photo P29]). The southern portion of the Upper Area is secured by chain-link fencing with locked gates. The site is frequently patrolled by NAS Whidbey Island Base Security.

Within the fenced portion of the Upper Area, there exist a satellite hazardous waste accumulation area and spill prevention kit. There is evidence of the former Tanks 473-476 (in the form of land subsidence), and the bioventing system is located on the paved pad at the location of former Tank 226 (see Appendix B [Photo P47]). Utility access vaults and manholes are present throughout the Upper Area.

Signage at Former Fuel Farm 1 was minimized at the direction of the prior NAS Whidbey Island Commanding Officer (Battelle, 2020), and so there is no signage identifying the site restrictions and/or hazards of any type within or at primary entry points for either the Lower or Upper Areas of Former Fuel Farm 1.

As part of the inspection, the condition of groundwater monitoring wells at Former Fuel Farm 1 was reviewed and documented on the monitoring well inspection checklist (see Appendix C). Photographs of each monitoring well are provided in Appendix B. A summary of findings at each monitoring well is provided in Table 2-24. Unless otherwise noted in Table 2-24, monitoring wells located and accessed within Former Fuel Farm 1 during the 2021 LUC inspection were secured with new padlocks during the 2021 inspection.

Table 2-24: Monitoring Wells at Site 36, Former Fuel Farm 1

Well ID	Northing	Easting	Photograph No. (Appendix B)	Comments from 2021 Inspections
MW-201	473449	1204377	P22	-
MW-202	473281	1204082	P36	-
MW-301	473487	1204044	P31	-
MW-303	473514	1204096	P28	-
MW-304	473556	1203995	P32	Concrete apron and monument are not securely set
MW-305	473557	1204062	P30	Monument lid broken
MW-306	473369	1204145	P35	-
MW-311	473302	1204300	P53	-
MW-313	473386	1204458	P52	-
MW-315	473455	1204487	P20	-
MW-317	473523	1204402	P23	-
MW-318	473118	1204049	P45	Monument lid broken
MW-319	473180	1204109	P44	Lid nearly rusted shut

Table 2-24: Monitoring Wells at Former Fuel Farm 1 (continued)

Well ID	Northing	Easting	Photograph No. (Appendix B)	Comments from 2021 Inspections
MW-320	473238	1204199	P43	-
MW-321	473423	1204543	P48	-
MW-322	473577	1204279	P27	-
MW-323	473561	1204185	P25	Concrete apron and monument are not securely set
MW-324	473412	1204254	P24	-
MW-325	473484	1203887	P33	-
MW-326	473319	1203947	P37	-
MW-327	473386	1203704	P38	-
MW-328	473127	1203933	P41	Monument lid broken
MW-329	473248	1203883	P40	Monument lid broken
MW-330	473607	1204596	P14	Missing cover bolts
MW-331	473660	1204609	P8	Missing cover bolts
MW-332	473580	1204629	P13	Missing cover bolts
MW-333	473578	1204692	P12	Missing cover bolts
MW-335	473561	1204508	P16	Missing cover bolts
MW-337	473665	1204485	P3	-
MW-338	473624	1204528	P18	Missing cover bolts
MW-339	473523	1204565	P15	Unable to secure new lock on slip cap; missing cover bolts
MW-342	473594	1204479	P17	Missing cover bolts
MW-343	473477	1204630	P1	Missing cover bolts
MW-344	473494	1204773	P11	Unable to secure new lock – well cap damaged; missing cover bolts
MW-501	473818	1204385	P5	Missing cover bolts
MW-502	473755	1204395	P4	Missing cover bolts
MW-503	473698	1204468	P2	Missing cover bolts
MW-601	473688	1204498	P6	Vault full of water
MW-602	473699	1204711	P7	Missing cover bolts
MW-603	473695	1204719	P9	Missing cover bolts
MW-604	473709	1204778	P10	-

Abbreviation: ID = Identification

Based on the field inspection and a review of well records from Ecology and the Island County Department of Environmental Health, there is no visual or administrative evidence of groundwater use or well installation activities within or downgradient of the site (see Appendix E). In addition, there have been no incident reports or access control issues within the area of Former Fuel Farm 1.

2.16.3 Conclusion and Recommendations

Based on the 2021 LUC inspection, the LUCs for Site 36, Former Fuel Farm 1, are functioning as intended to protect human receptors from exposure to soil and groundwater. Based on the field observations and findings, recommendations were

developed for Former Fuel Farm 1 to maintain LUC effectiveness. Table 2-25 presents these recommendations from the 2021 LUC inspection.

Table 2-25: Recommendations for Site 36, Former Fuel Farm 1

LUC Descriptions	Recommendations from 2021 Inspections
<ul style="list-style-type: none"> • Ensure that land use remains industrial with restricted recreational land use limited to the Upper Area along paved footpaths with traffic confined to specific areas by signs and barrier vegetation and along paved athletic areas • No use of groundwater from, or downgradient of, the area except for monitoring and remediation, except as approved by U.S. EPA and Ecology • No downgradient well drilling except for monitoring wells and/or remediation system wells authorized by U.S. EPA and Ecology in approved plans • Protect existing monitoring wells • Ensure that all disturbed or excavated soils at or from the site are properly categorized and disposed of, and that workers are protected during any such disturbance or excavation • Maintain controlled access and security fencing for Tank 226 and the Resource Conservation and Recovery Act satellite accumulation point • Deed restrictions placing limiting conditions on property conveyance; prohibiting well construction; restricting land use and construction activity; and requiring notification of U.S. EPA, Ecology, or their designees of intent to transfer interest in the property, modify land use, or implement construction activity and the requirement of agency approvals for such actions 	<ul style="list-style-type: none"> • Although not a LUC for this site, complete minor and periodic maintenance to the monitoring wells.

Acronyms/Abbreviations:

Ecology = Washington State Department of Ecology; LUC = land use control; U.S. EPA = United States Environmental Protection Agency

2.17 Site 35, Former Fuel Farm 2

2.17.1 Site-Specific Land Use Controls and Findings

Per the LUCIP (Liberty JV, 2020), the following LUCs are required for Site 35, Former Fuel Farm 2:

- Ensure that Site is used for non-residential purposes only, which includes a prohibition on development and use of this property for residential housing, elementary and secondary schools, childcare facilities, and playgrounds.
- No use of groundwater from, or downgradient of, the area except for monitoring and remediation, except as approved by U.S. EPA and Ecology.
- No downgradient well drilling except for monitoring wells and/or remediation system wells authorized by U.S. EPA and Ecology in approved plans.
- Protect existing monitoring wells.
- Ensure that all disturbed or excavated soils at or from the site are properly categorized and disposed of, and that workers are protected during any such disturbance or excavation.

- Deed restrictions placing limiting conditions on property conveyance; prohibiting well construction; restricting land use and construction activity; and requiring notification of U.S. EPA, Ecology, or their designees of intent to transfer interest in the property, modify land use, or implement construction activity and the requirement of agency approvals for such actions.

A site map illustrating the Petroleum Site LUC Area location and boundary for Site 35, Former Fuel Farm 2 is presented on Figure 2-16.

The following findings have been determined for Site 35, Former Fuel Farm 2, LUCs during the 2021 inspection:

- Land use remains non-residential; land use has not changed since the 2020 LUC inspection.
- There has been no unapproved use of groundwater from, or downgradient of, the area since the 2020 LUC inspection.
- No downgradient wells or remediation system wells have been installed since the 2020 LUC inspection.
- Existing monitoring wells are protected.
- No ground disturbance or construction activities have been conducted between the 2020 and 2021 LUC inspections.
- The property is still under the ownership of the U.S. Navy; there are no new property deeds.

2.17.2 Site Walk-through Observations

Site 35, Former Fuel Farm 2 was inspected on 13 October 2021. A site map illustrating the locations of photographs taken during the 2021 LUC inspection, including photo identification numbers keyed to the photograph log in Appendix B, is presented on Figure 2-16. This section documents general site observations made during the site walk-through and not just those that pertain to the effectiveness of the site-specific LUCs.

Former Fuel Farm 2 is an open field with the Mt. Stewart Loop road traversing northeast-southwest on the eastern portion of the site. The main entry point to the site is on the northeast side with a concrete pad on the west side of the road and concrete barricades on both sides of the road. Based on the field inspection, land use has not changed and remains for industrial purposes. Also, there is no activity or evidence of soil excavation activities within the site.

Signage at Former Fuel Farm 2 was minimized per request of the prior NAS Whidbey Island Commanding Officer (Battelle, 2020). There is one deteriorated wooden sign post and panel at the far south end of the site, but no legible signage is present on the panel (see Appendix B [Photo Q23]). No other signage was observed identifying the site boundary, restrictions, and/or hazards of any type within or at primary entry points to Former Fuel Farm 2. The site is not fenced but is located within the fenced and secured boundary of the Seaplane Base and is frequently patrolled by NAS Whidbey Island Base Security.

The condition of groundwater monitoring wells at Former Fuel Farm 2 was reviewed and documented on the monitoring well inspection checklist (see Appendix C). Photographs of each monitoring well are provided in Appendix B. The inspection did not identify any significant deficiencies with the wells that were located. A summary of findings at each monitoring well is provided in Table 2-26. Monitoring wells located and accessed within Former Fuel Farm 2 during the 2021 LUC inspection were secured with new padlocks during the 2021 inspection.

Table 2-26: Monitoring Wells at Site 35, Former Fuel Farm 2

Well ID	Northing	Easting	Photograph No. (Appendix B)	Comments from 2021 Inspections
MW-001	471180	1204168	Q14	Bollards not plumb
MW-306	471389	1204146	Q2	-
MW-307	471299	1204148	Q11	-
MW-505	471322	1203973	Q8	Missing cover bolts
MW-506	471313	1204029	Q3	Missing cover bolts
MW-507	471297	1204081	Q5	Missing cover bolts
MW-508	471357	1204016	Q6	Missing cover bolts
MW-716	471288	1204150	Q12	-
MW-717	471247	1203982	Q9	-

Abbreviation: ID = Identification

Based on the field inspection and a review of well records from Ecology and the Island County Department of Environmental Health, there is no visual or administrative evidence of groundwater use or well installation activities within or downgradient of the site (see Appendix E). In addition, there have been no incident reports or access control issues within the area of Former Fuel Farm 2.

2.17.3 Conclusion and Recommendations

Based on the 2021 LUC inspection, the LUCs for Site 35, Former Fuel Farm 2, are functioning as intended to protect human receptors from exposure to soil and groundwater. Based on the field observations and findings, recommendations were

developed for Former Fuel Farm 2 to maintain LUC effectiveness. Table 2-27 presents these recommendations from the 2021 LUC inspection.

Table 2-27: Recommendations for Site 35, Former Fuel Farm 2

LUC Descriptions	Recommendations from 2021 Inspections
<ul style="list-style-type: none"> • Ensure that site is used for non-residential purposes only, which includes a prohibition on development and use of this property for residential housing, elementary and secondary schools, childcare facilities, and playgrounds • No use of groundwater from, or downgradient of, the area except for monitoring and remediation, except as approved by U.S. EPA and Ecology • No downgradient well drilling except for monitoring wells and/or remediation system wells authorized by U.S. EPA and Ecology in approved plans • Protect existing monitoring wells • Ensure that all disturbed or excavated soils at or from the site are properly categorized and disposed of, and that workers are protected during any such disturbance or excavation • Deed restrictions placing limiting conditions on property conveyance; prohibiting well construction; restricting land use and construction activity; and requiring notification of U.S. EPA, Ecology, or their designees of intent to transfer interest in the property, modify land use, or implement construction activity and the requirement of agency approvals for such actions. 	<ul style="list-style-type: none"> • Although not a LUC for this site, complete minor and periodic maintenance to the monitoring wells, as needed.

Acronyms/Abbreviations:

Ecology = Washington State Department of Ecology; LUC = land use control; U.S. EPA = United States Environmental Protection Agency

2.18 Site 13, Former Fuel Farm 3

2.18.1 Site-Specific Land Use Controls and Findings

Per the LUCIP (Liberty JV, 2020), the following LUCs are required for Site 13, Former Fuel Farm 3:

- Ensure that land use remains industrial, which includes a prohibition on development and use of this property for residential housing, elementary and secondary schools, childcare facilities, and playgrounds.
- No use of groundwater from, or downgradient of, the area except for monitoring and remediation, except as approved by U.S. EPA and Ecology.
- No downgradient well drilling except for monitoring wells and/or remediation system wells authorized by U.S. EPA and Ecology in approved plans.
- Protect existing monitoring wells.
- Ensure that all disturbed or excavated soils at or from the site are properly categorized and disposed of, and that workers are protected during any such disturbance or excavation.

- Deed restrictions placing limiting conditions on property conveyance; prohibiting well construction; restricting land use and construction activity; and requiring notification of U.S. EPA, Ecology, or their designees of intent to transfer interest in the property, modify land use, or implement construction activity and the requirement of agency approvals for such actions.

A site map illustrating the Petroleum Site LUC Area location and boundary for Site 13, Former Fuel Farm 3 is presented on Figure 2-17.

The following findings have been determined for Site 13, Former Fuel Farm 3, LUCs during the 2021 inspection:

- Land use remains industrial; land use has not changed since the 2020 LUC inspection.
- There has been no unapproved use of groundwater from, or downgradient of, the area since the 2020 LUC inspection.
- No downgradient wells or remediation system wells have been installed since the 2020 LUC inspection.
- Existing monitoring wells are protected.
- Approved construction activities have been conducted at the site, which are summarized in Section 2.18.2.
- The property is still under the ownership of the U.S. Navy; there are no new property deeds.

2.18.2 Site Walk-through Observations

Site 13, Former Fuel Farm 3 was inspected on 16 October 2021. A site map illustrating the locations of photographs taken during the 2021 LUC inspection, including photo identification numbers keyed to the photograph log in Appendix B, is presented on Figure 2-17. This section documents general site observations made during the site walk-through and not just those that pertain to the effectiveness of the site-specific LUCs.

The northern portion of the site comprises mainly parking lots. Significant vehicle and pedestrian activity occurs within the site as the larger parking lot in the northeast portion of the site services Skywarrior Theater patrons and acts as overflow parking for U.S. Navy employees. The southern portion of the site includes a former construction laydown area along Oriskany Avenue, a shipping/receiving facility in the southwest portion, and a Hazardous Waste Minimization Facility along the southern boundary.

Within both the southern and northern portions of the site, land use has not changed and remains for industrial and commercial purposes. Construction activities, conducted by Bethel-Webcor Joint Venture in 2019, appeared to be complete. These activities resulted in the following observations during the 2021 LUC inspection:

- A construction laydown area and mobile field trailer offices along Oriskany Avenue in the central portion of the area observed during the 2020 LUC inspection (Liberty JV, 2021b) have since been removed (see Appendix B [Photos R21 and R37]). One trailer that houses landscaping equipment remains.
- Soil stockpiles and construction materials noted during the 2019 (Battelle, 2020) and 2020 (Liberty JV, 2021b) LUC inspections were no longer present (see Appendix B [Photo R27]).

An oil-water separator unit within a concrete secondary containment pad was noted south of the Skywarrior Theater parking lot (see Appendix B [Photo R39]). No access controls were present to prevent tampering. A strong hydrocarbon odor was noticeable within 50 feet of the oil-water separator. As noted in the 2019 LUC inspection (Battelle, 2020), this oil-water separator unit was part of a treatment system employed by the U.S. Navy, and is no longer actively used.

Signage at Former Fuel Farm 3 was minimized at the direction of the prior NAS Whidbey Island Commanding Officer (Battelle, 2020); therefore, minimal signage exists across the site. “Restricted Area, Keep Out” signage was limited to the access road vicinity dividing the northern and southern areas of Former Fuel Farm 3 and the east side of the site (see Appendix B [Photos R28, R29, and R52]). The site is not fenced, but frequently patrolled by NAS Whidbey Island Base Security.

As part of the field inspections, the condition of groundwater monitoring wells at Former Fuel Farm 3 was reviewed and documented on the monitoring well inspection checklist (see Appendix C). Photographs of each monitoring well are provided in Appendix B. A summary of findings at each monitoring well is provided in Table 2-28. Unless otherwise noted in Table 2-28, monitoring wells located and accessed within Former Fuel Farm 3 during the 2021 LUC inspection were secured with new padlocks during the 2021 inspection.

Table 2-28: Monitoring Wells at Site 13, Former Fuel Farm 3

Well ID	Northing	Easting	Photograph No. (Appendix B)	Comments from 2021 Inspections
MW-001	493167	1194253	R55, R56	Unable to secure new lock on slip cap
MW-002	493412	1194579	R49, R50	Missing cover bolts; unable to secure new lock, vault size does not accommodate shank length
MW-003	493243	1194835	R44	No bollards present

Table 2-28: Monitoring Wells at Former Fuel Farm 3 (continued)

Well ID	Northing	Easting	Photograph No. (Appendix B)	Comments from 2021 Inspections
MW-302	492775	1194172	R11	Lid nearly rusted shut
MW-303	492809	1194515	R20	-
MW-305	493019	1194490	R32	-
MW-311	493317	1194259	R60	-
MW-334	493000	1194752	R30	-
MW-335	491017	1194206	R34	Lid nearly rusted shut; bollards partially buried
MW-350	493270	1194386	R62	Unable secure new lock, vault size does not accommodate shank length
MW-351	493226	1194488	R63	-
MW-352	493198	1194362	R38	-
MW-353	493209	1194741	R41	-
MW-354	493163	1194911	R42	Lid nearly rusted shut
MW-355	493055	1194942	R26	-
MW-356	492932	1194879	R23, R24	-
MW-357	492885	1194756	R22	Missing cover bolts
MW-358	492744	1194560	R18	-
MW-359	492733	1194456	R15	Unable to secure new lock on vault or well cap; no hasp or previous lock present
MW-360	492735	1194314	R13	-
MW-361	492892	1194065	R10	-
MW-363	493154	1194154	R57	Missing cover bolts
MW-364	493340	1194845	R45	-
MW-365	493330	1194769	R48	Missing cover bolts; vault full of water
MW-368	492488	1194911	R5	-
MW-369	492634	1194640	R6	Overgrown vegetation hinders well access
MW-371	492344	1194538	R3	Missing cover bolts; vault full of water
MW-372	492323	1194376	R2	Missing cover bolts; vault full of water
MW-501	492737	1194329	R14	Unable to secure new lock on vault or well cap; no hasp or previous lock present
MW-502	493014	1194450	R33	Unable to secure new lock on vault or well cap; no hasp or previous lock present
MW-503	493182	1194689	R40	Unable to secure new lock on vault or well cap; no hasp or previous lock present
MW-504	493165	1194268	R54	Unable to install new lock on slip cap; no hasp or previous lock present
MW-505	493162	1194356	R53	Unable to install new lock on slip cap; no hasp or previous lock present
MW-506	492765	1194547	R19	Unable to secure new lock on vault or well cap; no hasp or previous lock present
MW-507	492778	1194602	R16	Unable to secure new lock on vault or well cap; no hasp or previous lock present
MW-701	493268	1194613	R51	Missing cover bolts; well lid nearly buried in asphalt (new pavement)
MW-702	492589	1194471	R8	Missing cover bolts; well vault sunken

Abbreviation: ID = identification

Based on the field inspection and a review of well records from Ecology and the Island County Department of Environmental Health, there is no visual or administrative evidence of groundwater use or well installation activities within or downgradient of the site (see Appendix E). Also, there have been no incident reports or access control issues within the area of Former Fuel Farm 3.

2.18.3 Conclusion and Recommendations

Based on the 2021 LUC inspection, the LUCs for Site 13, Former Fuel Farm 3, are functioning as intended to protect human receptors from exposure to soil and groundwater. Based on the field observations and findings, recommendations were developed for Former Fuel Farm 3 to maintain LUC effectiveness. Table 2-29 presents these recommendations from the 2021 LUC inspection.

Table 2-29: Recommendations for Site 13, Former Fuel Farm 3

LUC Descriptions	Recommendations from 2021 Inspections
<ul style="list-style-type: none"> • Ensure that land use remains industrial, which includes a prohibition on development and use of this property for residential housing, elementary and secondary schools, childcare facilities, and playgrounds • No use of groundwater from, or downgradient of, the area except for monitoring and remediation, except as approved by U.S. EPA and Ecology • No downgradient well drilling except for monitoring wells and/or remediation system wells authorized by U.S. EPA and Ecology in approved plans • Protect existing monitoring wells • Ensure that all disturbed or excavated soils at or from the site are properly categorized and disposed of, and that workers are protected during any such disturbance or excavation • Deed restrictions placing limiting conditions on property conveyance; prohibiting well construction; restricting land use and construction activity; and requiring notification of U.S. EPA, Ecology, or their designees of intent to transfer interest in the property, modify land use, or implement construction activity and the requirement of agency approvals for such actions. 	<ul style="list-style-type: none"> • Although not a LUC for this site, complete minor and periodic maintenance to the monitoring wells. Some wells are inaccessible due to the lids being rusted shut.

Acronyms/Abbreviations:

Ecology = Washington State Department of Ecology; LUC = land use control; U.S. EPA = United States Environmental Protection Agency

2.19 Site 11, Former Fuel Farm 4

2.19.1 Site-Specific Land Use Controls and Findings

Per the LUCIP (Liberty JV, 2020), the following LUCs are required for Site 11, Former Fuel Farm 4:

- Ensure that land use remains industrial, which includes a prohibition on development and use of this property for residential housing, elementary and secondary schools, childcare facilities, and playgrounds.

- No use of groundwater from, or downgradient of, the area except for monitoring and remediation, except as approved by U.S. EPA and Ecology.
- No downgradient well drilling except for monitoring wells and/or remediation system wells authorized by U.S. EPA and Ecology in approved plans.
- Protect existing monitoring wells.
- Ensure that all disturbed or excavated soils at or from the site are properly categorized and disposed of, and that workers are protected during any such disturbance or excavation.

A site map illustrating the Petroleum Site LUC Area location and boundary for Site 11, Former Fuel Farm 4 is presented on Figure 2-18.

The following findings have been determined for Site 11, Former Fuel Farm 4, LUCs during the 2021 inspection:

- Land use remains industrial; land use has not changed since the 2020 LUC inspection.
- There has been no unapproved use of groundwater from, or downgradient of, the area since the 2020 LUC inspection.
- No downgradient wells or remediation system wells have been installed since the 2020 LUC inspection.
- Existing monitoring wells are protected.
- No ground disturbance or construction activities have taken place at the site since the 2020 LUC inspection.

2.19.2 Site Walk-through Observations

Former Fuel Farm 4 was inspected on 13 October 2021. A site map illustrating the locations of photographs taken during the 2021 LUC inspection, including photo identification numbers keyed to the photograph log in Appendix B, is presented on Figure 2-18. This section documents general site observations made during the site walk-through and not just those that pertain to the effectiveness of the site-specific LUCs.

Based on the field inspection, land use has not changed and remains industrial only. The site encompasses a grassy field accessed via an asphalt road leading uphill to a vehicle turn-around south of Forrestal Street (see Appendix B [Photo S7]). Several monitoring wells associated with the site are located outside of the current site boundary and within the current fueling station access drive.

Near the wells associated with former Building 491, there are aboveground fuel lines within secured, chain-link fencing and locked gate. A used petroleum trailer is located on pavement near Forrestal Avenue in a bermed and covered area (see Appendix B [Photos S17 and S18]).

Signage at Former Fuel Farm 4 was minimized at the direction of the prior NAS Whidbey Island Commanding Officer (Battelle, 2020). An access road runs from the northeast to southwest portions of the site and there are “Restricted Area” signs along the access road on the southeast side, facing southeast into a heavily wooded area (see Appendix B [Photos S8 and S9]). There is also a “Restricted Area” sign at the northeast corner of the site, adjacent to the access road entry point (see Appendix B [Photo S10]).

There is no other signage to assist in delineating the site boundary or informing personnel of restrictions and/or hazards. In general, the site is not fenced or delineated from the surrounding areas. The site is frequently patrolled by NAS Whidbey Island Base Security.

As part of the field inspection, the condition of groundwater monitoring wells at and near Former Fuel Farm 4 was also reviewed and documented on the monitoring well inspection checklist (see Appendix C). Photographs of each monitoring well are provided in Appendix B. A summary of findings at each monitoring well is provided in Table 2-30. Monitoring wells located and accessed within Former Fuel Farm 4 during the 2021 LUC inspection were secured with new padlocks during the 2021 inspection.

Table 2-30: Monitoring Wells at Site 11, Former Fuel Farm 4

Well ID	Northing	Easting	Photograph No. (Appendix B)	Comments from 2021 Inspections
MW-109	489905.553664	1196219.914920	S12	-
MW-114	489922.665974	1196122.374720	S13	-
MW-113 (491)	490110.901448	1196098.417480	S21	Missing cover bolts
MW-114 (491)	490155.393467	1196098.417480	S19	Unable to install new lock on well cap: missing cover bolts
MW-115 (491)	490153.682236	1196127.508420	S20	Unable to install new lock on well cap: missing cover bolts

Abbreviation: ID = identification

Based on the field inspection and a review of well records from Ecology and the Island County Department of Environmental Health, there is no visual or administrative evidence of groundwater use or well installation activities within or downgradient of the Site (see Appendix E). In addition, there have been no incident reports or access control issues within the area of Former Fuel Farm 4.

2.19.3 Conclusion and Recommendations

Based on the 2021 LUC inspection, the LUCs for Site 11, Former Fuel Farm 4, are functioning as intended to protect human receptors from exposure to soil and groundwater. Based on the field observations and findings, recommendations were developed for Former Fuel Farm 4 to maintain LUC effectiveness. Table 2-31 presents these recommendations from the 2021 LUC inspections.

Table 2-31: Recommendations for Site 11, Former Fuel Farm 4

LUC Descriptions	Recommendations from 2021 Inspections
<ul style="list-style-type: none"> • Ensure that land use remains industrial, which includes a prohibition on development and use of this property for residential housing, elementary and secondary schools, childcare facilities, and playgrounds • No use of groundwater from, or downgradient of, the area except for monitoring and remediation, except as approved by U.S. EPA and Ecology • No downgradient well drilling except for monitoring wells and/or remediation system wells authorized by U.S. EPA and Ecology in approved plans • Protect existing monitoring wells • Ensure that all disturbed or excavated soils at or from the site are properly categorized and disposed of, and that workers are protected during any such disturbance or excavation 	<ul style="list-style-type: none"> • Although not a LUC for this site, consider installing signage at vehicular and pedestrian access points to identify restrictions and/or hazards. • Although not a LUC for this site, complete minor and periodic maintenance to the monitoring wells, as needed.

Acronyms/Abbreviations:

Ecology = Washington State Department of Ecology; LUC = land use control; U.S. EPA = United States Environmental Protection Agency

2.20 Site 45, TCE Tank

2.20.1 Site-Specific Land Use Controls and Findings

Per the LUCIP (Liberty JV, 2020), the following LUCs are required for Site 45, TCE Tank:

- Ensure that land use remains industrial, restricting residential land use, which includes a prohibition on development and use of this property for residential housing, elementary and secondary schools, childcare facilities, and playgrounds.

A site map illustrating the Petroleum Site LUC Area location and boundary for Site 45, TCE Tank is presented on Figure 2-19.

The following findings have been determined for Site 45, TCE Tank, LUCs during the 2021 inspection:

- Land use remains industrial; land use has not changed since the 2020 LUC inspection.

2.20.2 Site Walk-through Observations

Site 45, TCE Tank was inspected on 13 October 2021. A site map illustrating the locations of photographs taken during the 2021 LUC inspection, including photo identification numbers keyed to the photograph log in Appendix B, is presented on Figure 2-19. This section documents general site observations made during the site walk-through and not just those that pertain to the effectiveness of the site-specific LUCs.

Site 45 is near the western installation boundary of NAS Whidbey Island, Seaplane Base, in a flat grassy plot of land southwest of a hazardous waste satellite accumulation bunker and bounded by Maui Avenue (to the south), Coral Sea Avenue (to the east), and steep slopes to the north and west. The flat plot was the former location of Building 14 (see Appendix B [Photos T6 and T7]). The site is not delineated by a fence, though it is frequently patrolled by NAS Whidbey Island Base Security.

Land use remains for industrial purposes, with minimal activity. Previously identified utilities and a groundwater monitoring well are the only noteworthy items about the site (see Appendix B [Photos T9 and T10]). The groundwater monitoring well was not identified in Ecology or Island County online databases and is not identified on the LUC well inspection list (Table 3-4 of the LUC Inspection Work Plan [Liberty JV, 2021a]).

There is no signage to assist in delineating the site boundary or informing personnel of restrictions and/or hazards. One sign was observed at Site 45 located on the hazardous waste accumulation area bunker (see Appendix B [Photo T12]). There have been no incident reports or access control issues within Site 45.

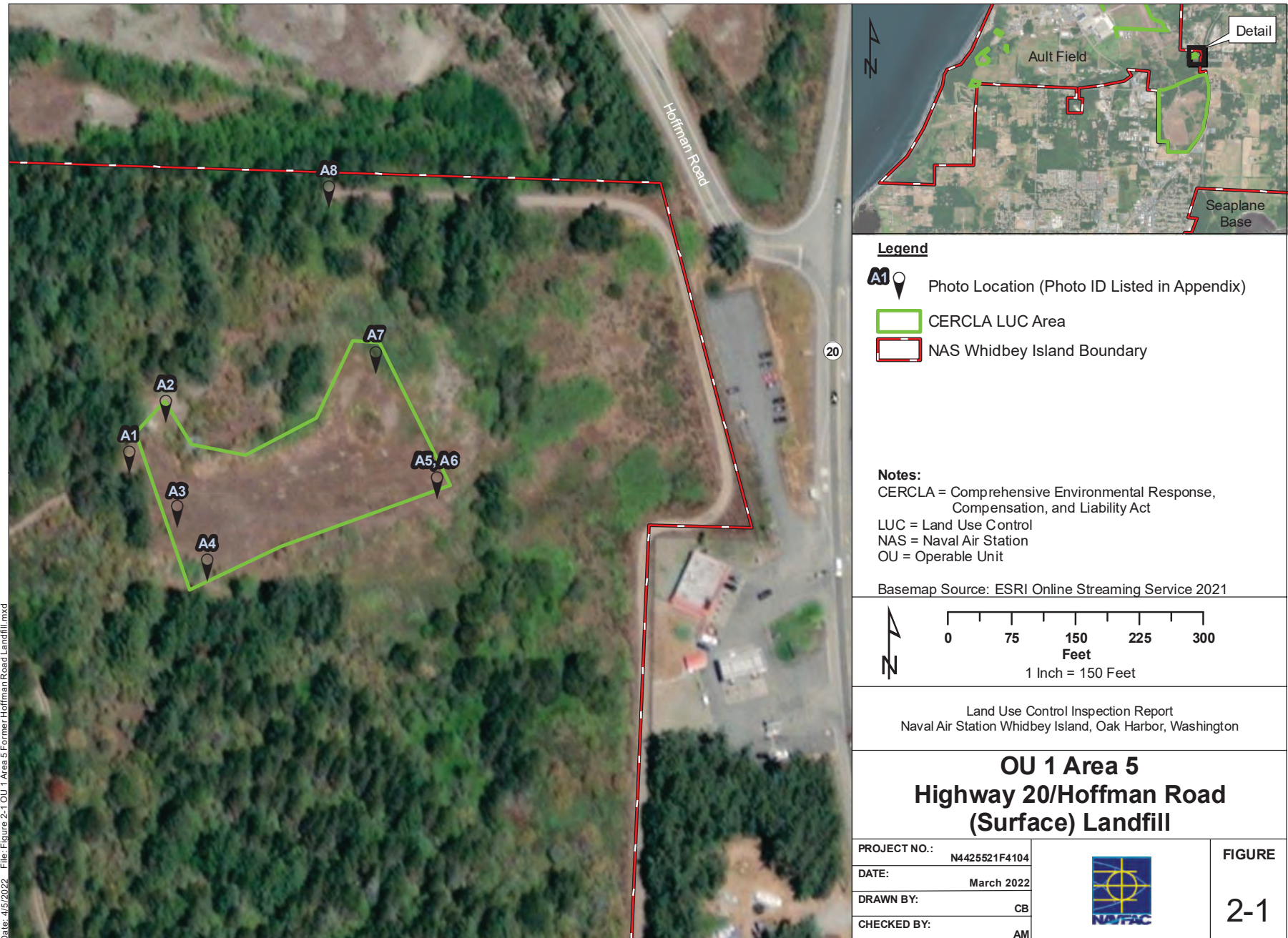
2.20.3 Conclusion and Recommendations

Based on the 2021 LUC inspection, the LUCs for Site 45, TCE Tank, are functioning as intended to limit land use. Based on the field observations and findings from the 2021 LUC inspection, no recommendations needed to be developed for Site 45 to maintain LUC effectiveness (Table 2-32).

Table 2-32: Recommendations for Site 45, TCE Tank

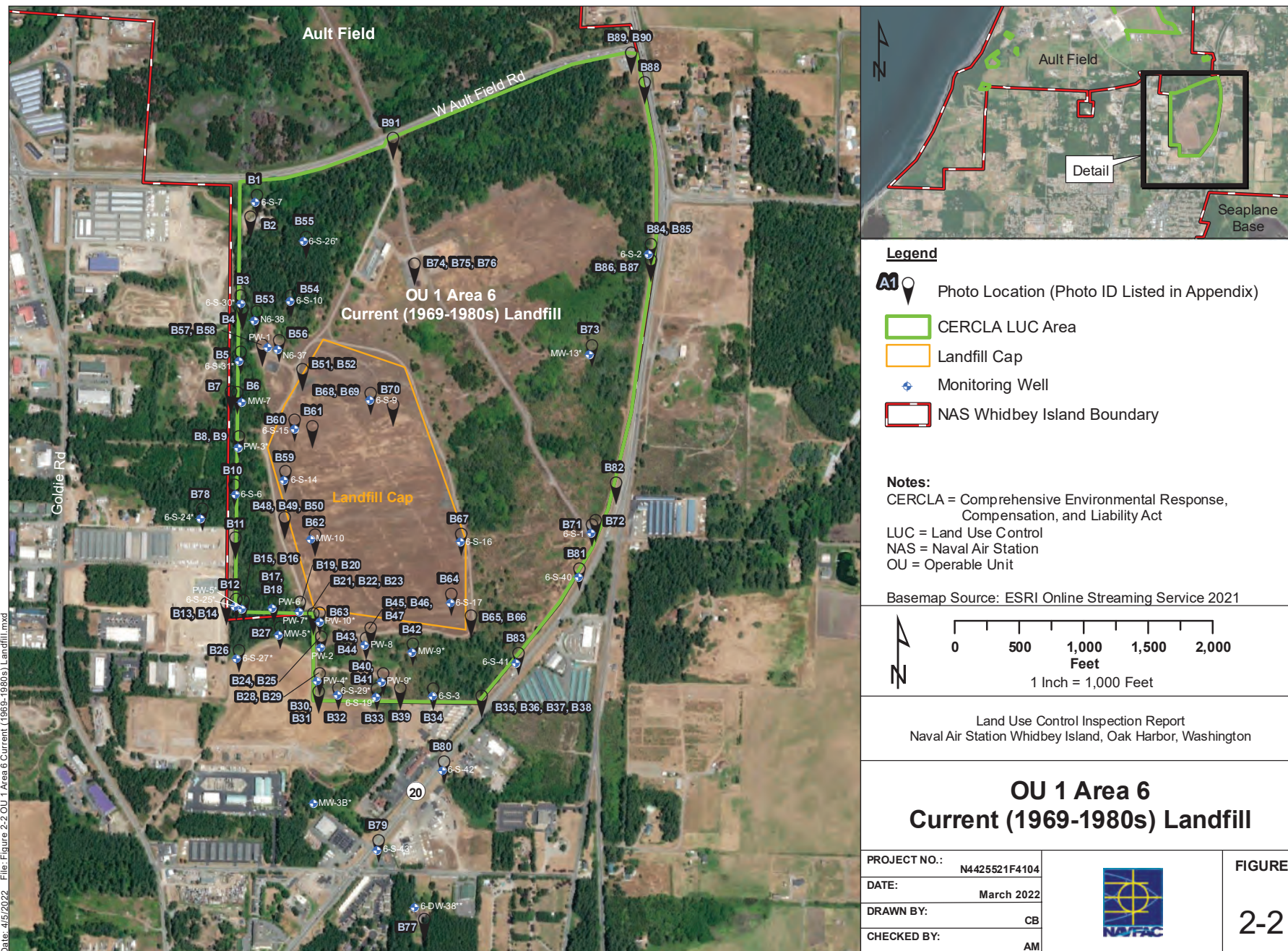
LUC Descriptions	Recommendations from 2021 Inspections
<ul style="list-style-type: none"> Ensure that land use remains industrial, restricting residential land use, which includes a prohibition on development and use of this property for residential housing, elementary and secondary schools, childcare facilities, and playgrounds 	<ul style="list-style-type: none"> None

Acronyms: LUC = land use control



Date: 4/5/2022 File: Figure 2-1 OU 1 Area 5 Former Hoffman Road Landfill.mxd

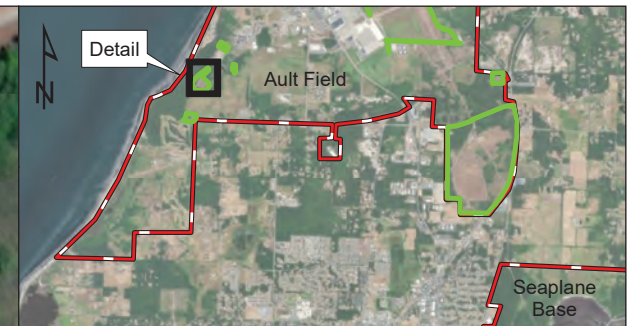
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Date: 4/5/2022 File: Figure 2-2 OU 1 Area 6 Current (1969-1980s) Landfill.mxd

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Date: 4/5/2022 File: Figure 2-3 OU 2 Area 2 Western Highlands Landfill.mxd



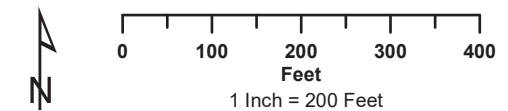
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- Photo Location (Photo ID Listed in Appendix)
- CERCLA LUC Area
- Monitoring Well
- NAS Whidbey Island Boundary

Notes:

CERCLA = Comprehensive Environmental Response, Compensation, and Liability Act
LUC = Land Use Control
NAS = Naval Air Station
OU = Operable Unit

Basemap Source: ESRI Online Streaming Service 2020



Land Use Control Inspection Report
Naval Air Station Whidbey Island, Oak Harbor, Washington

OU 2 Area 2 Western Highlands Landfill

PROJECT NO.:	N4425521F4104
DATE:	March 2022
DRAWN BY:	CB
CHECKED BY:	AM



FIGURE

2-3

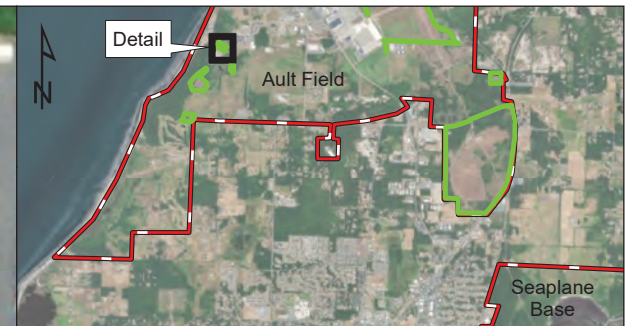
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Date: 4/5/2022 File: Figure 2-5 OU 2 Area 4 Walker Barn Storage Site.mxd



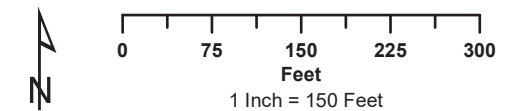
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- Photo Location (Photo ID Listed in Appendix)
- CERCLA LUC Area
- Monitoring Well
- NAS Whidbey Island Boundary

Notes:

CERCLA = Comprehensive Environmental Response, Compensation, and Liability Act
LUC = Land Use Control
NAS = Naval Air Station
OU = Operable Unit

Basemap Source: ESRI Online Streaming Service 2020



Land Use Control Inspection Report
Naval Air Station Whidbey Island, Oak Harbor, Washington

OU 2 Area 4 Walker Barn Storage Area

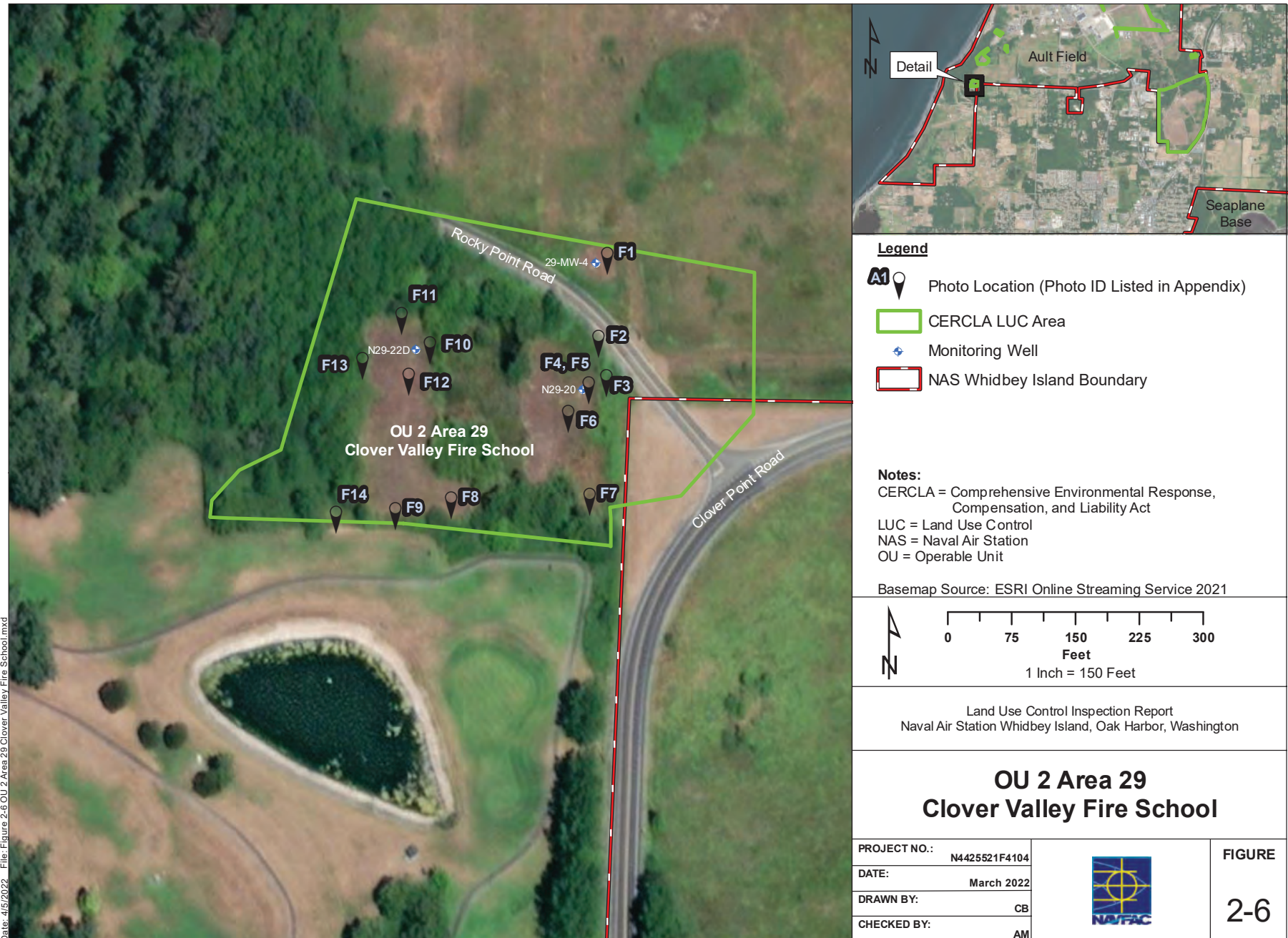
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FIGURE

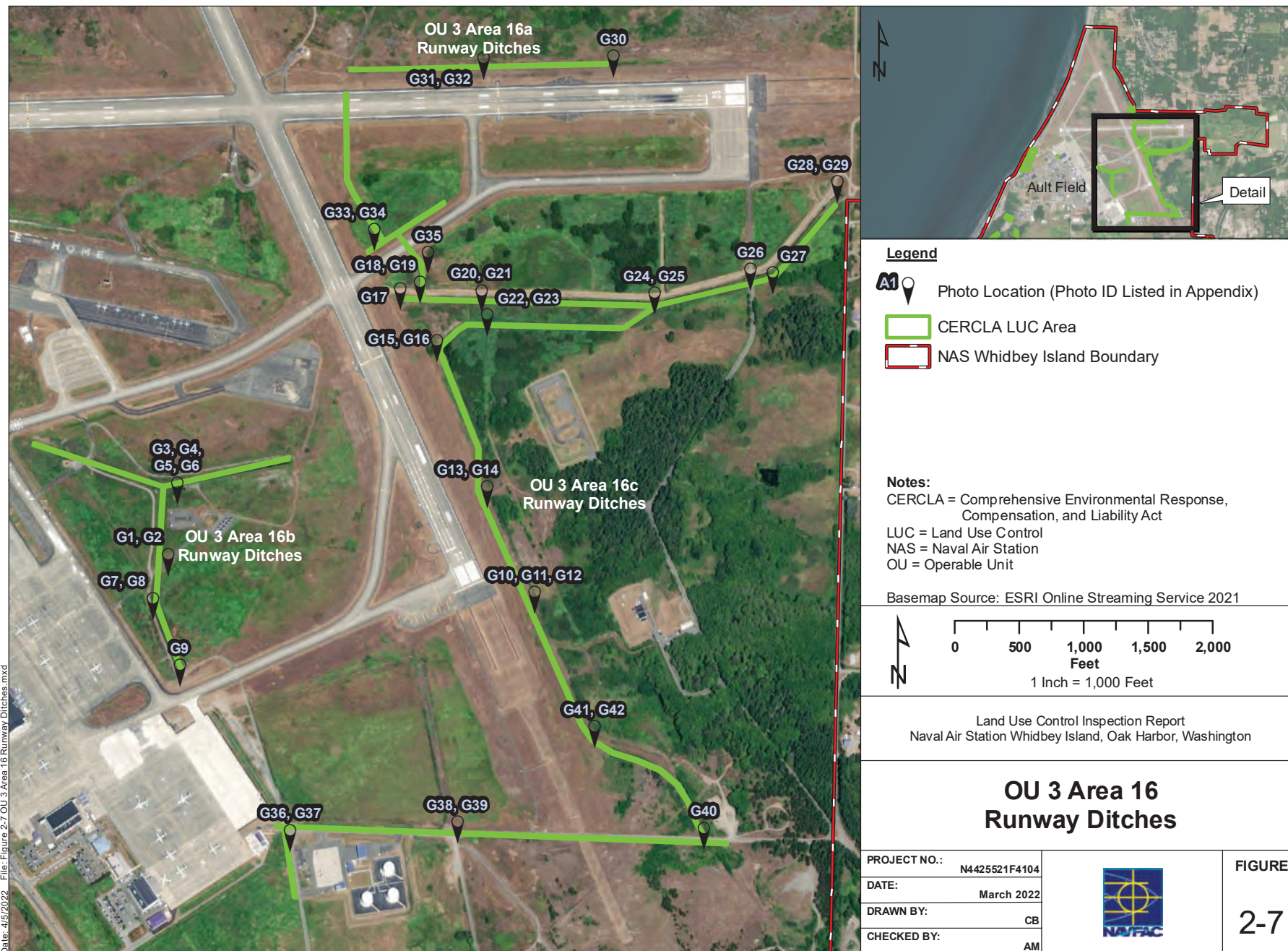
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Date: 4/5/2022 File: Figure 2-8 OU 4 Areas 48, 49 Seaplane Base Landfill.mxd

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Date: 4/5/2022 File: Figure 2-9 OU 5 Area 1 Former Beach Landfill.mxd

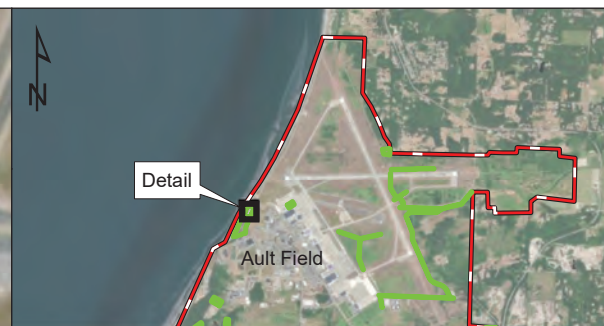
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Date: 4/5/2022 File: Figure 2-10 OU 5 Area 31 Former Runway Fire Training School.mxd

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Date: 4/5/2022 File: Figure 2-11 OU 5 Area 52 Jet Engine Test Cell.mxd



Legend



Photo Location (Photo ID Listed in Appendix)



CERCLA LUC Area



NAS Whidbey Island Boundary

Notes:

CERCLA = Comprehensive Environmental Response,
Compensation, and Liability Act

LUC = Land Use Control

NAS = Naval Air Station

OU = Operable Unit

Basemap Source: ESRI Online Streaming Service 2020



0 50 100 150 200
Feet
1 Inch = 100 Feet

Land Use Control Inspection Report
Naval Air Station Whidbey Island, Oak Harbor, Washington

**OU 5 Area 52
Jet Engine Test Cell**

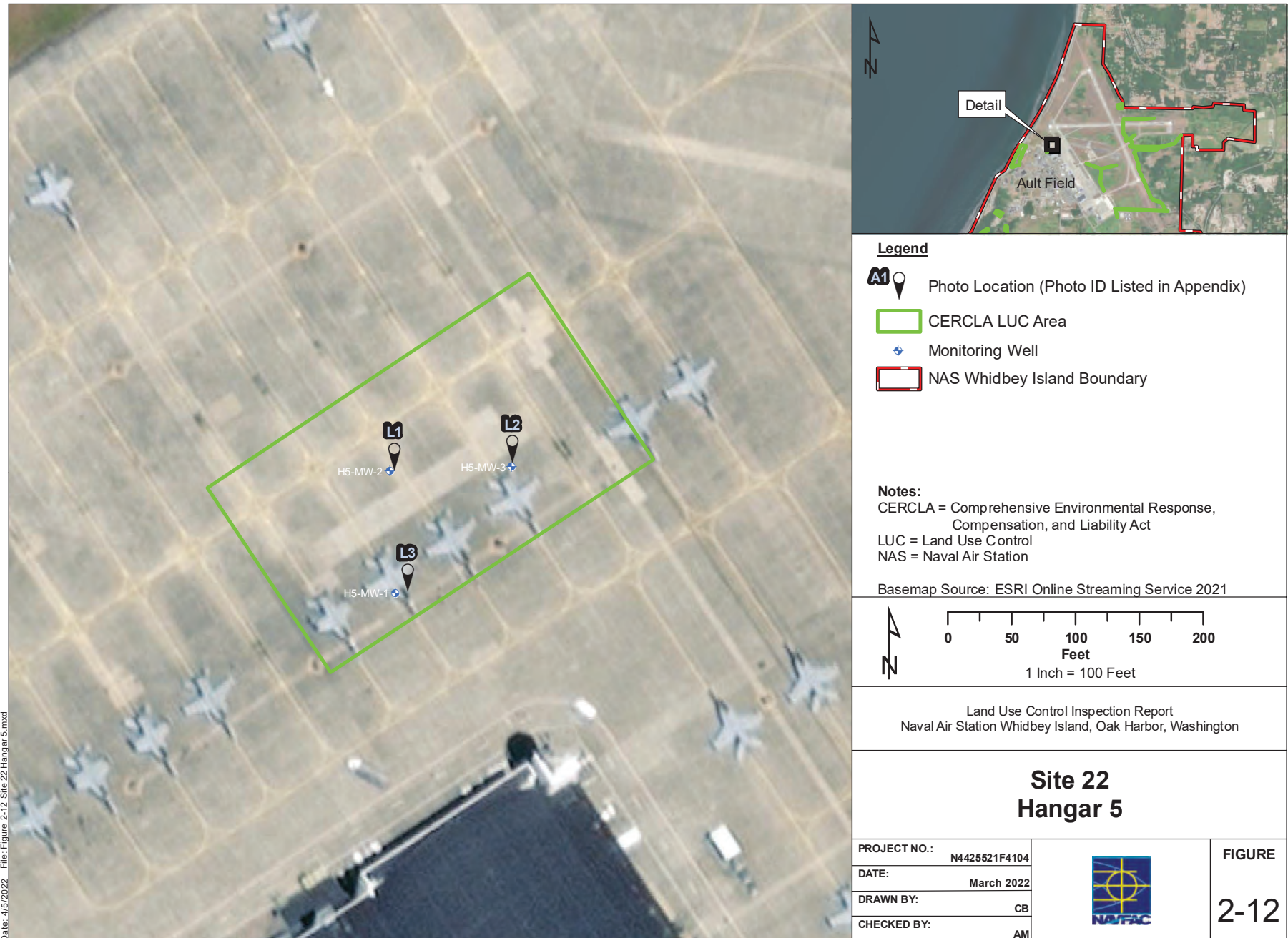
PROJECT NO.:	N4425521F4104
DATE:	March 2022
DRAWN BY:	CB
CHECKED BY:	AM



FIGURE

2-11

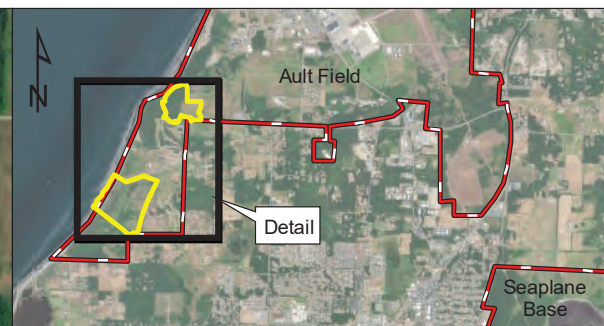
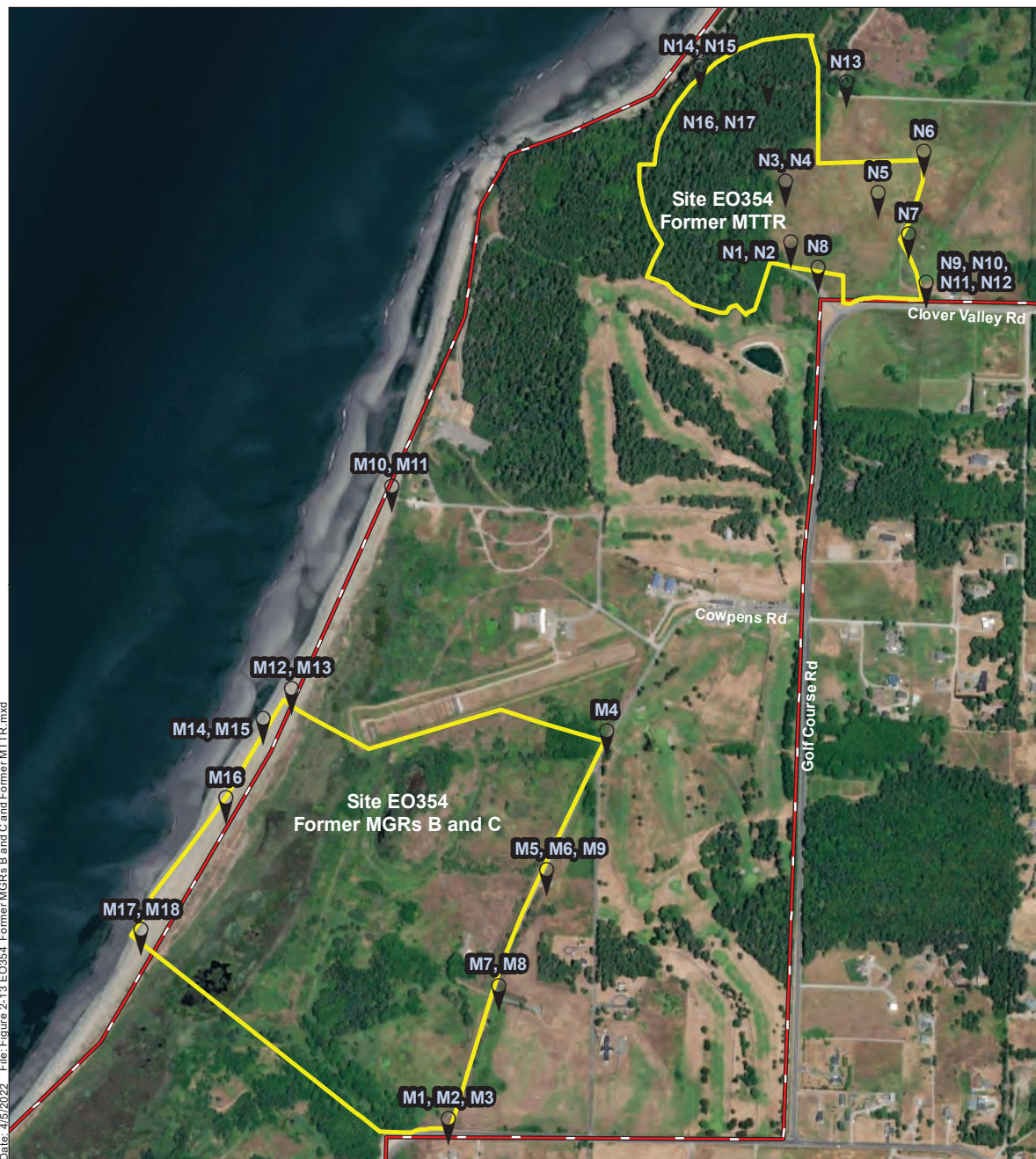
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Date: 4/5/2022 File: Figure 2-12 Site 22 Hangar 5.mxd

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Date: 4/5/2022 File: Figure 2-13 EO354 Former MGRs B and C and Former MTTR.mxd



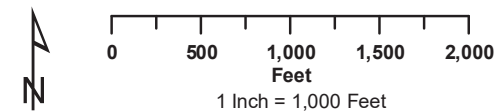
Legend

- A1** Photo Location (Photo ID Listed in Appendix)
- MRP LUC Area
- NAS Whidbey Island Boundary

Notes:

LUC = Land Use Control
MGR = Machine Gun Range
MRP = Munitions Response Program
MTTR = Mobile Turret Tower Range
NAS = Naval Air Station
OU = Operable Unit

Basemap Source: ESRI Online Streaming Service 2021



Land Use Control Inspection Report
Naval Air Station Whidbey Island, Oak Harbor, Washington

**MRP Sites EO354
Former MGRs B & C
and Former MTTR**

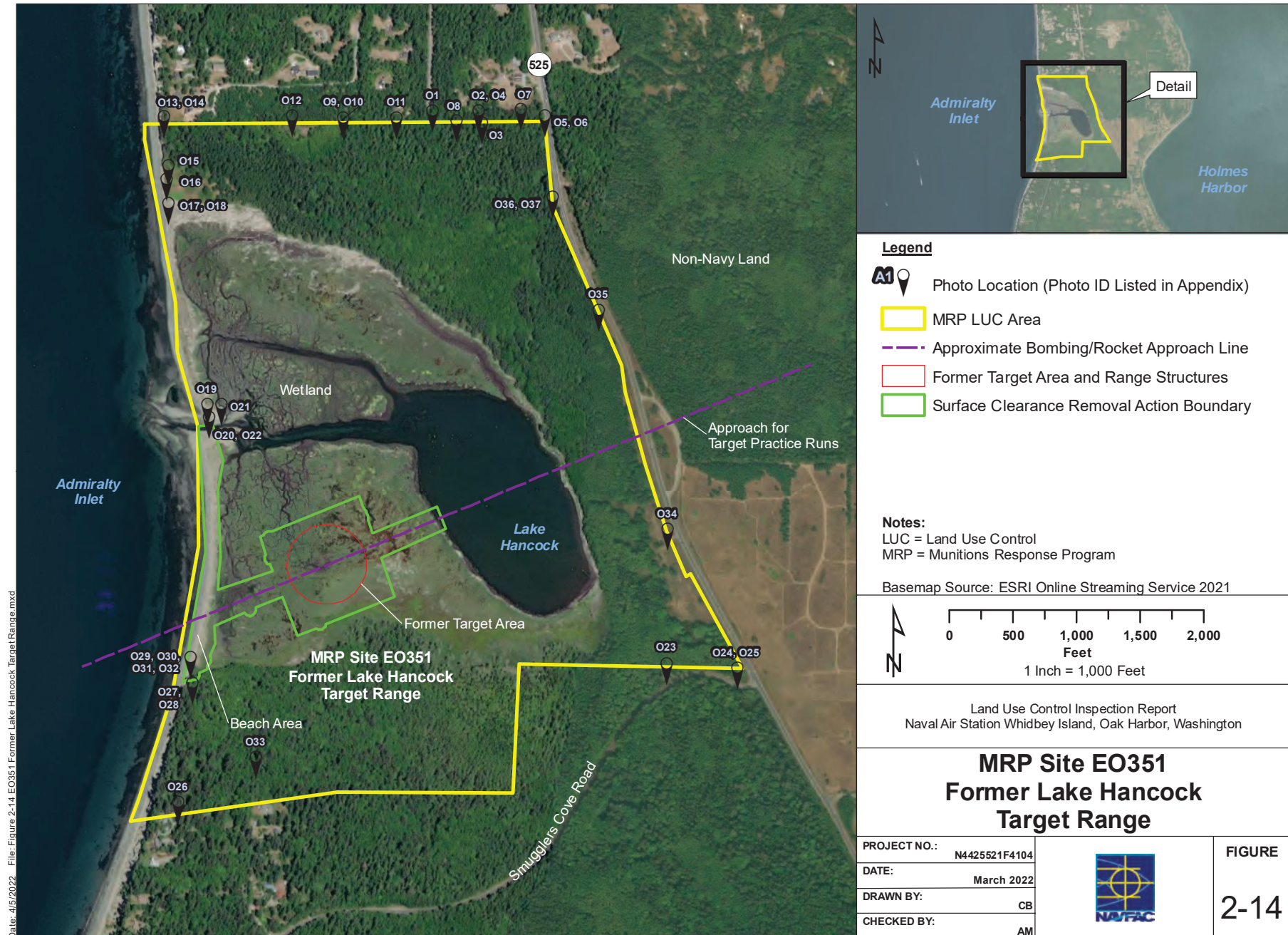
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DATE:	March 2022
DRAWN BY:	CB
CHECKED BY:	AM



FIGURE

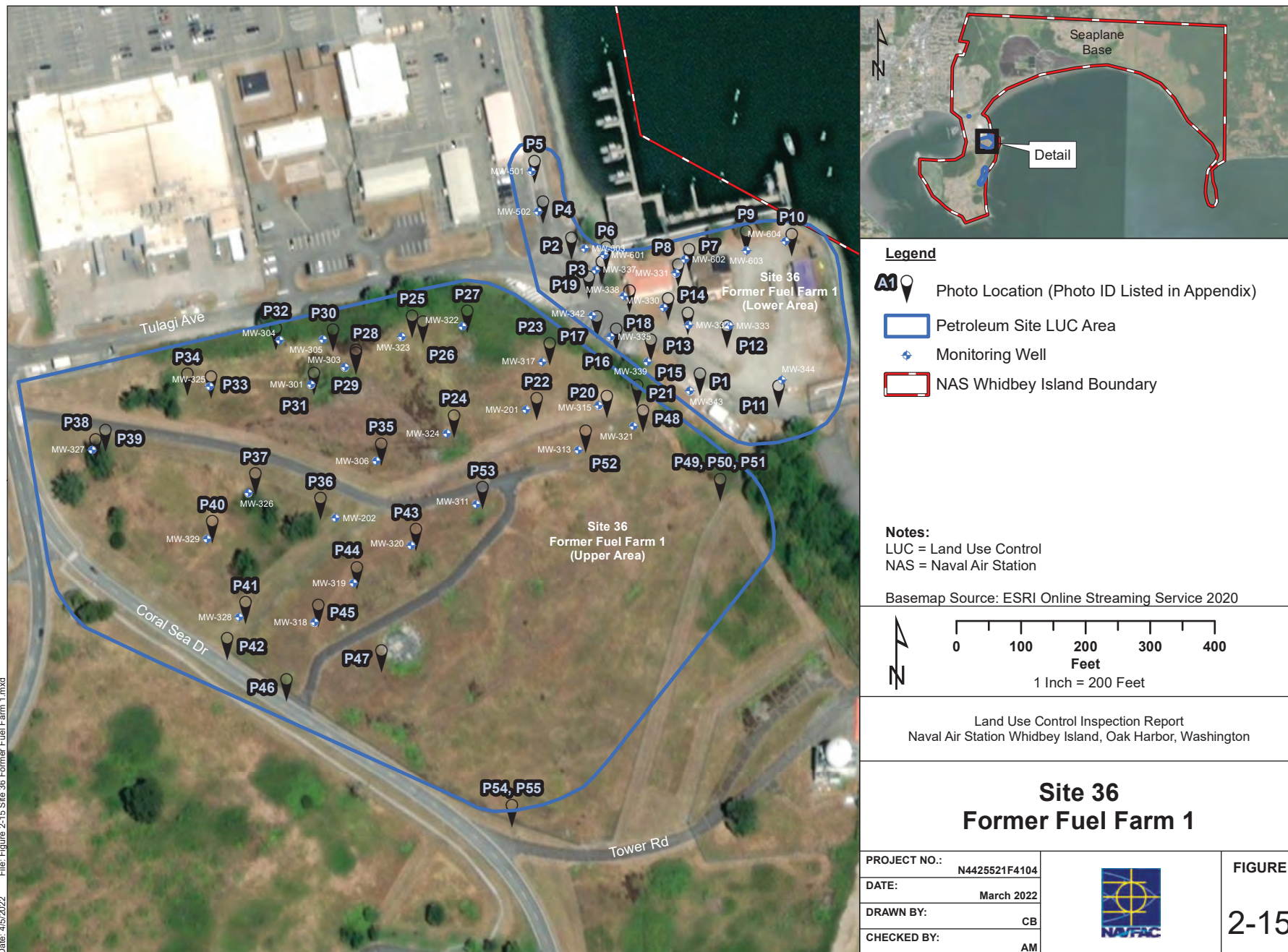
2-13

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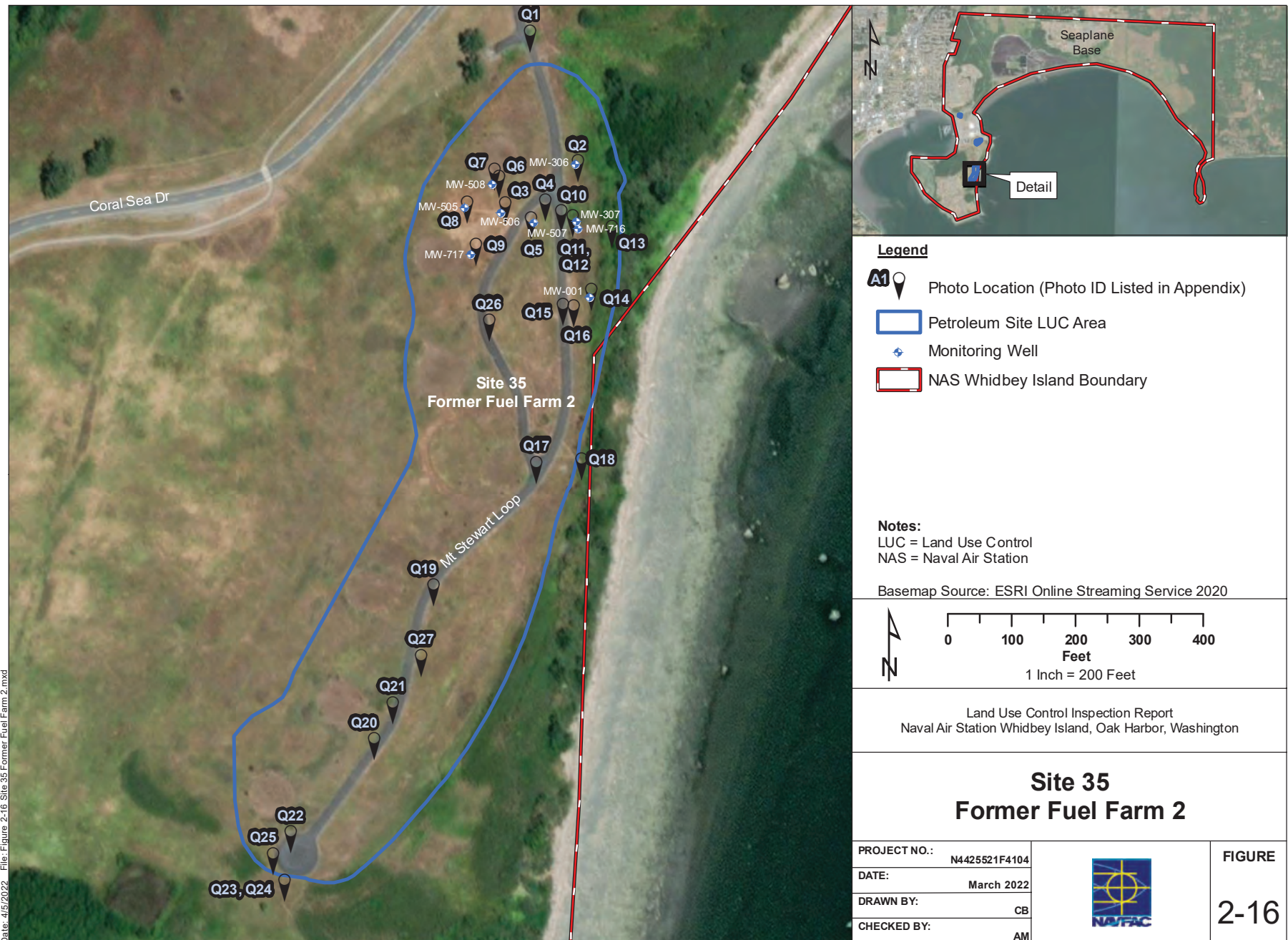
Date: 4/5/2022 File: Figure 2-14 EO351 Former Lake Hancock Target Range.mxd

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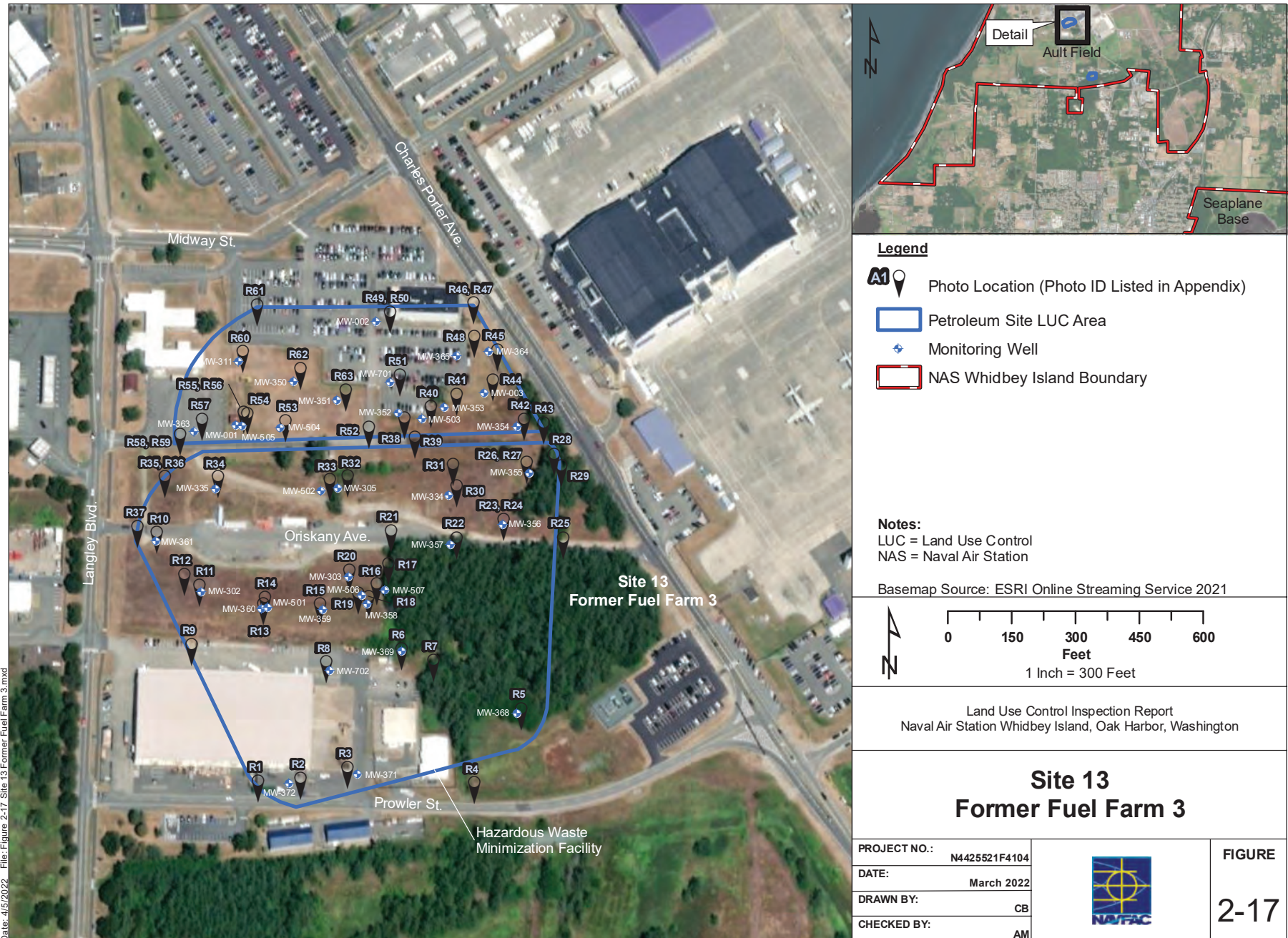
Date: 4/5/2022 File: Figure 2-15 Site 36 Former Fuel Farm 1.mxd

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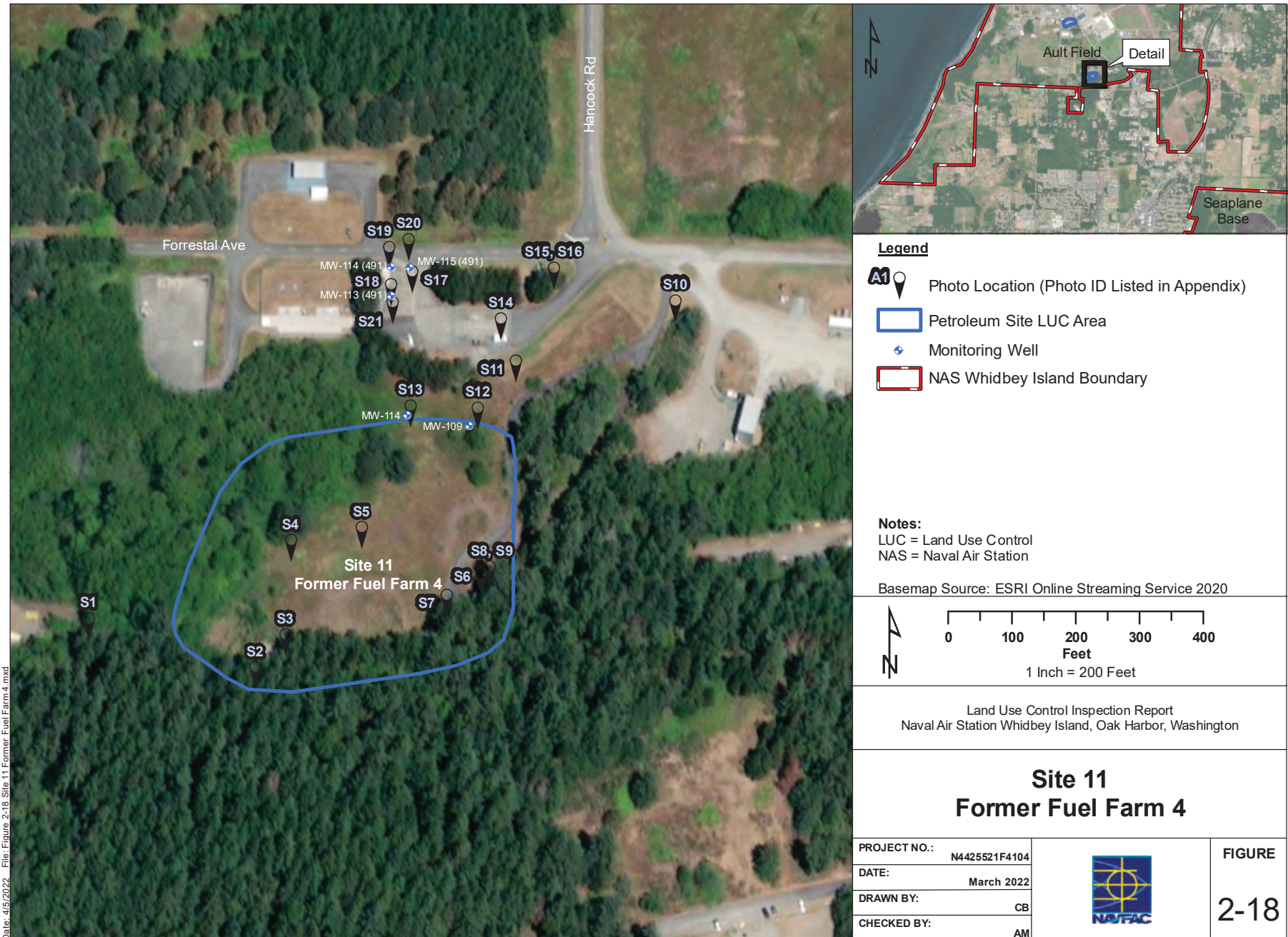
Date: 4/5/2022 File: Figure 2-16 Site 35 Former Fuel Farm 2.mxd

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Date: 4/5/2022 File: Figure 2-17 Site 13 Former Fuel Farm 3.mxd

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Date: 4/5/2022 File: Figure 2-18 Site 11 Former Fuel Farm 4.mxd

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Date: 4/5/2022 File: Figure 2-19 Site 45 TCE Tank.mxd

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3.0 Summary and Recommendations

In October 2021, LUC inspections were conducted to ensure the effectiveness of LUCs (both ICs and ECs) implemented at a total of 20 areas/sites identified in the LUCIP (Liberty JV, 2020). At each area/site, visual inspections and record reviews were conducted to document the conditions of the ICs and ECs in place to verify that these LUCs remain protective of human health and the environment.

Table 3-1 summarizes the conditions at the CERCLA areas/sites, MRP sites, and petroleum sites based on guidance from the LUC inspection checklists (see Appendix A).

Recommended maintenance actions for the monitoring wells included in the annual LUC inspections are listed in Table C-1 of Appendix C. Future maintenance will be performed as program funding permits, with funding prioritization based on potential risk to human health and the environment.

Overall, it is recommended that based on the 2021 findings/observations and noteworthy level of activity at NAS Whidbey Island, the LUC inspections continue on an annual basis at all areas/sites, as outlined in the LUCIP (Liberty JV, 2020).

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Table 3-1: Summary of Land Use Control Inspection Checklist Findings at Specified Areas/Sites of NAS Whidbey Island

Checklist Summary	CERCLA Areas												MRP Sites			Petroleum Sites				
	OU1 Area 5, Highway 20/Hoffman Road (Surface) Landfill	OU1 Area 6, Current (1969-1980s) Landfill	OU2 Area 2, Western Highlands Landfill	OU2 Area 3, 1969–1970 Landfill	OU2 Area 4, Walker Barn Storage Area	OU2 Area 29, Clover Valley Fire School	OU3 Area 16, Runway Ditches	OU4 Areas 48/49, Seaplane Base Landfill	OU5 Area 1, Former Beach Landfill	OU5 Area 31, Former Runway Fire Training School	OU5 Area 52, Jet Engine Test Cell	Site 22, Hangar 5	MRP Site EO354, Former Machine Gun Ranges B & C	MRP Site EO354, Former Mobile Turret Tower Range	MRP Site EO351, Former Lake Hancock Target Range	Site 36, Former Fuel Farm 1	Site 35, Former Fuel Farm 2	Site 13, Former Fuel Farm 3	Site 11, Former Fuel Farm 4	Site 45, TCE Tank
Land Use Consistent with Requirement?																				
On-site or Downgradient Groundwater Well Installation or Use Since Last Inspection?							—	—					—	—	—					—
Groundwater Monitoring Network in Good Condition?	—						—	—			—		—	—	—					—
Evidence of Ground Disturbance via Digging and/or Construction Activities?					—		—			—	—									—
Soil Cover Intact and Effective?	—		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Access Control Maintained?								—					—	—						
Signage Intact and Readable?					—		—					—		—						

Notes:
 = LUC checklist item met.
 = LUC checklist item partially met.
 = LUC checklist item not met.
"—" = LUC not applicable to this area/site

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4.0 References

- Battelle. 2020. *Final 2019 Land Use Control Inspection Report*, Naval Air Station Whidbey Island, Oak Harbor, Washington. September.
- Liberty Joint Venture (Liberty JV) JV. 2020. *Final Land Use Controls Implementation Plan*, Naval Air Station Whidbey Island, Oak Harbor, Washington and Naval Ocean Processing Facility Coos Head, Charleston, Oregon. Contract No. N44255-20-D-5006; Delivery Order No. N4425520F4289. December.
- . 2021a. *Final 2021 Land Use Controls Inspection Work Plan*, Naval Air Station Whidbey Island, Oak Harbor, Washington, and Naval Ocean Processing Facility Coos Head, Charleston, Oregon. Contract No. N44255-20-D-5006, Delivery Order No. N4425521F4104. October.
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- . 2013a. *Action Memorandum*, Former Aviation Fleet Gunnery School, Naval Air Station Whidbey Island, Oak Harbor, Washington. Prepared by Naval Facilities Engineering Command Northwest. Silverdale, Washington. July.
- . 2013b. *Final Engineering Evaluation/Cost Analysis*, Former Aviation Fleet Gunnery School, Naval Air Station Whidbey Island, Washington. Prepared by URS Group, Inc. for Naval Facilities Engineering Command Northwest under Contract No. N44255-05-D-4001, Delivery Order 0049. January.
- . 2013c. *Final Revised Cleanup Action Plan (CAP)*, NAS Whidbey Island, Closed Former Fuel Farms 1, 2, 3 and Fire Training Area. Prepared by Naval Facilities Engineering Command Northwest. Silverdale, Washington. March.

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- _____. 2016. *Final Record of Decision for Former Lake Hancock Target Range, NAS Whidbey Island, Whidbey Island, Washington*. September.
- _____. 2018. *Final Remedial Action Completion Report (RACR)*, Whidbey Island Extend Shoreline Erosion Protection System South in Area 1, NAS Whidbey Island, Whidbey Island, Washington. Prepared by Tetra Tech EC, Inc. January.
- United States Department of the Navy (U.S. Navy), Washington State Department of Ecology (Ecology), and United States Environmental Protection Agency (U.S. EPA). 1993a. *Final Record of Decision*, Operable Unit 1, Naval Air Station (NAS) Whidbey Island, Oak Harbor, Washington. Prepared by URS Consultants, Inc., for Engineering Field Activity, Northwest. EPA/ROD/R10-94/075. Dated 15 December 1993 and executed 20 December 1993.
- _____. 1993b. *Record of Decision*, Seaplane Base, Operable Unit 4, Naval Air Station Whidbey Island. Prepared for Engineering Field Activity, Northwest under U.S. Navy CLEAN Contract No. N62474-89-D-9295, Contract Task Order No. 0042. EPA/ROD/R10-94/074. Dated 15 December 1993 and executed 20 December 1993.
- _____. 1994. *Final Record of Decision*, Ault Field, Operable Unit 2, Naval Air Station Whidbey Island. Prepared under U.S. Navy CLEAN Contract No. N62474-89-D-9295, Task Order No. 0054. EPA/ROD/R10-94/077. Dated 26 April 1994 and executed 2 June 1994.
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- URS. 2014. *Land Use Controls Implementation Plan*, NAS Whidbey Island, Oak Harbor, Washington. Prepared for Naval Facilities Engineering Command Northwest under Contract No. N44255-05 D-4001, Delivery Order 0056. March 2014.

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Appendix A: LUC Inspection Checklists

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NAS Whidbey Island
Oak Harbor, WA
OU 1, Area 5: Highway 20/
Hoffman Road (Surface) Landfill

LAND USE CONTROLS (LUCs) INSPECTION CHECKLIST

DATE(S) (MM/DD/YY): 10/14/2021

INSPECTOR(S): Alex McCarthy, Jeff Fetter

COMPANY: Liberty JV

LAND USE CONTROLS:

Ensure that land use remains commercial and/or industrial, which includes a prohibition on development and use of this property for residential housing, elementary and secondary schools, child-care facilities and playgrounds.

Ensure that all disturbed or excavated soils at or from the area are properly categorized and disposed of, and that workers are protected during any such disturbance or excavation.

Prevent installation of on-site drinking water wells.

Deed restrictions in future property deeds.

INSPECTION CHECKLIST

HAS SITE OR ADJACENT LAND USE CHANGED SINCE LAST INSPECTION?

☐ YES ☒ NO

INSPECTION PERFORMED? (CHECK ALL THAT APPLY)

☒ SITE WALK ☐ INTERVIEW W/
☐ SECURITY CHECK ☐ OTHER

FINDINGS: None

IS THERE VISUAL OR ADMINISTRATIVE EVIDENCE OF EXCAVATION OR SOIL DISTURBANCE? IF SO, DETERMINE IF SITE APPROVAL PROCESS HAS BEEN FOLLOWED.

☐ YES ☒ NO

INSPECTION PERFORMED? (CHECK ALL THAT APPLY)

☒ SITE WALK ☐ INTERVIEW W/
☐ SECURITY CHECK ☐ OTHER

FINDINGS: None

HAS ACCESS CONTROL BEEN MAINTAINED (REFER TO SECURITY INCIDENT REPORTS)?

☒ YES ☐ NO ☐ NA

IS SIGNAGE INTACT AND READABLE?

☒ YES ☐ NO ☐ NA

INSPECTION PERFORMED (CHECK ALL THAT APPLY)

☒ SITE WALK ☐ INTERVIEW W/
☐ SECURITY CHECK ☐ OTHER

FINDINGS: Site is gated @ main access road but not fenced.
Site is within the secured NASWS installation.

ADDITIONAL COMMENTS:

- Site gated but not fenced
- Site in generally good condition, in accordance w/ LUCs

I CERTIFY THAT THE CONDITIONS OF THE AREA ON THE INSPECTION DATES(S) WERE AS REPORTED ABOVE.

INSPECTOR SIGNATURE: [Signature]

DATE: 10/14/2021



NAS Whidbey Island
Oak Harbor, WA
OU 1, Area 6: Current (1969-1980s) Landfill

LAND USE CONTROLS (LUCs) INSPECTION CHECKLIST

DATE(S) (MM/DD/YY): 10/16/2021 - 10/17/2021

INSPECTOR(S): Alex McConthy, Jeff Peters

COMPANY: Liberty JV

LAND USE CONTROLS:

Ensure that land use remains commercial and/or industrial, which includes a prohibition on development and use of this property for residential housing, elementary and secondary schools, child-care facilities and playgrounds.

No downgradient well drilling except for monitoring wells and/or remediation system wells authorized by U.S. EPA and Ecology in approved plans.

Protect existing monitoring wells.

No use of groundwater from, or downgradient of, the area except for monitoring and remediation as approved by U.S. EPA and Ecology.

Review the Island County Public Health Hydrogeology Datasystem biannually for well installation activities and/or groundwater use within the 1-mile buffer of Area 6.

Prevention of any disturbance to the landfill cap, except as necessary for authorized cap maintenance activities.

Prevent installation of on-area drinking water wells by deed restrictions in future property deeds.

INSPECTION CHECKLIST

HAS SITE OR ADJACENT LAND USE CHANGED SINCE LAST INSPECTION?

☐ YES ☒ NO

INSPECTION PERFORMED? (CHECK ALL THAT APPLY)

☒ SITE WALK ☐ INTERVIEW W/
☐ SECURITY CHECK ☐ OTHER

FINDINGS: None

IS THERE VISUAL EVIDENCE OF UNAUTHORIZED ON-SITE OR
DOWNGRAIDENT WELL INSTALLATION OR GROUNDWATER USE?

☐ YES ☒ NO

INSPECTION PERFORMED? (CHECK ALL THAT APPLY)

☒ SITE WALK ☐ INTERVIEW W/
☐ SECURITY CHECK ☐ OTHER
☒ WELL INSPECTIONS
☒ SEE WELL INSPECTION LOGS

FINDINGS: None

HAVE ANY WELL CONSTRUCTION APPLICATIONS BEEN SUBMITTED TO OR
APPROVED BY ISLAND YES NO COUNTY IN AREAS DOWNGRAIDENT OF THE
SITE? (ISLAND COUNTY CONTACT REQUIRED)

☐ YES ☒ NO

INSPECTION PERFORMED? (CHECK ALL THAT APPLY)

☒ SITE WALK ☐ INTERVIEW W/
☐ SECURITY CHECK ☐ OTHER
☒ WELL INSPECTIONS
☒ SEE WELL INSPECTION LOGS

FINDINGS: Island County Dept. of Public Health
& Washington Ecology - Well Search.

ARE ALL MONITORING WELLS IN GOOD CONDITION AND ACCESSIBLE?
(REFER TO COMPLETED MONITORING WELL INSPECTION CHECKLISTS OR
ANNUAL ON-SITE INSPECTIONS)

☒ YES ☐ NO
☒ SITE WALK ☐ INTERVIEW W/
☐ SECURITY CHECK ☐ OTHER
☒ WELL INSPECTIONS
☒ SEE WELL INSPECTION LOGS

INSPECTION PERFORMED? (CHECK ALL THAT APPLY)

FINDINGS: New locks installed
Some wells are in moderate condition

NAS Whidbey Island, Oak Harbor, WA

OU 1, Area 6: Current (1969-1980s) Landfill

IS THERE VISUAL OR ADMINISTRATIVE EVIDENCE OF EXCAVATION OR SOIL DISTURBANCE? IF SO, DETERMINE IF SITE APPROVAL PROCESS HAS BEEN FOLLOWED.

INSPECTION PERFORMED? (CHECK ALL THAT APPLY)

- ☐ YES ☒ NO
☒ SITE WALK ☐ INTERVIEW W/
☐ SECURITY CHECK ☐ OTHER

FINDINGS:

Construction in SE area has been completed.

IS THERE VISUAL OR ADMINISTRATIVE EVIDENCE THAT THE LANDFILL CAP INTEGRITY HAS BEEN COMPROMISED?

INSPECTION PERFORMED? (CHECK ALL THAT APPLY)

- ☐ YES ☒ NO
☒ SITE WALK ☐ INTERVIEW W/
☐ SECURITY CHECK ☐ OTHER

FINDINGS:

Landfill cap is in good condition.

HAS ACCESS CONTROL BEEN MAINTAINED (REFER TO SECURITY INCIDENT REPORTS)?

IS SIGNAGE INTACT AND READABLE?

INSPECTION PERFORMED (CHECK ALL THAT APPLY)

- ☒ YES ☐ NO ☐ NA
☒ YES ☐ NO ☐ NA
☒ SITE WALK ☐ INTERVIEW W/
☒ SECURITY CHECK ☐ OTHER

FINDINGS:

Four strand barbed wire is present around the perimeter of the site
All fencing generally in good condition.

ADDITIONAL COMMENTS:

Site is generally good condition, in accordance with LUCs.

I CERTIFY THAT THE CONDITIONS OF THE AREA ON THE INSPECTION DATES(S) WERE AS REPORTED ABOVE.

INSPECTOR SIGNATURE:

[Signature]

DATE: 10/17/21



**NAS Whidbey Island
Oak Harbor, WA
OU 2, Area 2: Western
Highlands Landfill**

LAND USE CONTROLS (LUCs) INSPECTION CHECKLIST

DATE(S) (MM/DD/YY): *10/15/2021*

INSPECTOR(S): *Alex McCarthay, Jeff Feltner*

COMPANY: *Liberty JV*

LAND USE CONTROLS:

Ensure that land use remains commercial and/or industrial, which includes a prohibition on development and use of this property for residential housing, elementary and secondary schools, child-care facilities, and playgrounds.

No use of groundwater from, or downgradient of, the area except for monitoring and remediation, except as approved by U.S. EPA and Ecology.

No downgradient well drilling except for monitoring wells and/or remediation system wells authorized by U.S. EPA and Ecology in approved plans.

Protect existing monitoring wells.

Use restrictions to prevent ground disturbance via digging and/or construction activities in the area of former construction debris landfill.

Possible deed restrictions in future property deeds.

INSPECTION CHECKLIST

HAS SITE OR ADJACENT LAND USE CHANGED SINCE LAST INSPECTION?

☐ YES ☒ NO

INSPECTION PERFORMED? (CHECK ALL THAT APPLY)

☒ SITE WALK ☐ INTERVIEW W/

☐ SECURITY CHECK ☐ OTHER

FINDINGS: *None*

IS THERE VISUAL EVIDENCE OF UNAUTHORIZED ON-SITE OR
DOWNGRADEMENT WELL INSTALLATION OR GROUNDWATER USE?

☐ YES ☒ NO

INSPECTION PERFORMED? (CHECK ALL THAT APPLY)

☒ SITE WALK ☐ INTERVIEW W/

☐ SECURITY CHECK ☐ OTHER

☒ WELL INSPECTIONS

☐ SEE WELL INSPECTION LOGS

FINDINGS: *None*

HAVE ANY WELL CONSTRUCTION APPLICATIONS BEEN SUBMITTED TO OR
APPROVED BY ISLAND YES NO COUNTY IN AREAS DOWNGRADEMENT OF THE
SITE? (ISLAND COUNTY CONTACT REQUIRED)

☐ YES ☒ NO

INSPECTION PERFORMED? (CHECK ALL THAT APPLY)

☒ SITE WALK ☐ INTERVIEW W/

☐ SECURITY CHECK ☐ OTHER

☒ WELL INSPECTIONS

☐ SEE WELL INSPECTION LOGS

FINDINGS: *None*

*Island County Dept of Public Health
& Washington Ecology Well Search*

ARE ALL MONITORING WELLS IN GOOD CONDITION AND ACCESSIBLE?
(REFER TO COMPLETED MONITORING WELL INSPECTION CHECKLISTS OR
ANNUAL ON-SITE INSPECTIONS)

☒ YES ☐ NO

INSPECTION PERFORMED? (CHECK ALL THAT APPLY)

☒ SITE WALK ☐ INTERVIEW W/

☐ SECURITY CHECK ☐ OTHER

☒ WELL INSPECTIONS

☒ SEE WELL INSPECTION LOGS

FINDINGS: *New locks installed.*

IS THERE VISUAL OR ADMINISTRATIVE EVIDENCE OF EXCAVATION OR SOIL
DISTURBANCE? IF SO, DETERMINE IF SITE APPROVAL PROCESS HAS BEEN
FOLLOWED.

☐ YES ☒ NO

INSPECTION PERFORMED? (CHECK ALL THAT APPLY)

☒ SITE WALK ☐ INTERVIEW W/

☐ SECURITY CHECK ☐ OTHER

FINDINGS:

HAS ACCESS CONTROL BEEN MAINTAINED (REFER TO SECURITY INCIDENT
REPORTS)?

☒ YES ☐ NO

☐ NA

IS SIGNAGE INTACT AND READABLE?

☒ YES ☐ NO

☐ NA

INSPECTION PERFORMED? (CHECK ALL THAT APPLY)

☒ SITE WALK ☐ INTERVIEW W/

☐ SECURITY CHECK ☐ OTHER

FINDINGS: *Site not fenced but is located within
NASWII secured Installation*

Site in generally good condition, in accordance w/ LUCs

I CERTIFY THAT THE CONDITIONS OF THE AREA ON THE INSPECTION DATE(S) WERE AS REPORTED ABOVE.

INSPECTOR SIGNATURE: *Alex McCarthay*

DATE: *10/15/21*



NAS Whidbey Island
Oak Harbor, WA
OU 2, Area 3: 1969-1970 Landfill

LAND USE CONTROLS (LUCs) INSPECTION CHECKLIST

DATE(S) (MM/DD/YY): 10/14/2021

INSPECTOR(S): Alex McConny, Jeff Fetter

COMPANY: Liberty IV

LAND USE CONTROLS:

Ensure that land use remains commercial and/or industrial, which includes a prohibition on development and use of this property for residential housing, elementary and secondary schools, child-care facilities, and playgrounds.

No use of groundwater from, or downgradient of, the area except for monitoring and remediation, except as approved by U.S. EPA and Ecology.

No downgradient well drilling except for monitoring wells and/or remediation system wells authorized by U.S. EPA and Ecology in approved plans.

Protect existing monitoring wells.

Use restrictions to prevent ground disturbance via digging and/or construction activities in the area of former construction debris landfill.

Possible deed restrictions in future property deeds.

INSPECTION CHECKLIST

HAS SITE OR ADJACENT LAND USE CHANGED SINCE LAST INSPECTION?

☐ YES ☒ NO

INSPECTION PERFORMED? (CHECK ALL THAT APPLY)

☒ SITE WALK ☐ INTERVIEW W/
☐ SECURITY CHECK ☐ OTHER

FINDINGS: None

IS THERE VISUAL EVIDENCE OF UNAUTHORIZED ON-SITE OR
DOWNGRADE WELL INSTALLATION OR GROUNDWATER USE?

☐ YES ☒ NO

INSPECTION PERFORMED? (CHECK ALL THAT APPLY)

☒ SITE WALK ☐ INTERVIEW W/
☐ SECURITY CHECK ☐ OTHER
☒ WELL INSPECTIONS
☐ SEE WELL INSPECTION LOGS

FINDINGS: None

HAVE ANY WELL CONSTRUCTION APPLICATIONS BEEN SUBMITTED TO OR
APPROVED BY ISLAND YES NO COUNTY IN AREAS DOWNGRADE OF THE
SITE? (ISLAND COUNTY CONTACT REQUIRED)

☐ YES ☒ NO

INSPECTION PERFORMED? (CHECK ALL THAT APPLY)

☒ SITE WALK ☐ INTERVIEW W/
☐ SECURITY CHECK ☐ OTHER
☒ WELL INSPECTIONS
☒ SEE WELL INSPECTION LOGS

FINDINGS: Island county Dept of Public Health
+ Washington Ecology Well Search.

ARE ALL MONITORING WELLS IN GOOD CONDITION AND ACCESSIBLE?
(REFER TO COMPLETED MONITORING WELL INSPECTION CHECKLISTS OR
ANNUAL ON-SITE INSPECTIONS)

☒ YES ☐ NO

INSPECTION PERFORMED? (CHECK ALL THAT APPLY)

☒ SITE WALK ☐ INTERVIEW W/
☐ SECURITY CHECK ☐ OTHER
☒ WELL INSPECTIONS
☒ SEE WELL INSPECTION LOGS

FINDINGS: New locks installed.

IS THERE VISUAL OR ADMINISTRATIVE EVIDENCE OF EXCAVATION OR SOIL
DISTURBANCE? IF SO, DETERMINE IF SITE APPROVAL PROCESS HAS BEEN
FOLLOWED.

☒ YES ☐ NO

INSPECTION PERFORMED? (CHECK ALL THAT APPLY)

☒ SITE WALK ☐ INTERVIEW W/
☐ SECURITY CHECK ☐ OTHER

FINDINGS: Some minor burrowing resulting in exposure of landfill material.

HAS ACCESS CONTROL BEEN MAINTAINED (REFER TO SECURITY INCIDENT
REPORTS)?

☒ YES ☐ NO ☐ NA

IS SIGNAGE INTACT AND READABLE?

☒ YES ☐ NO ☐ NA

INSPECTION PERFORMED? (CHECK ALL THAT APPLY)

☒ SITE WALK ☐ INTERVIEW W/
☐ SECURITY CHECK ☐ OTHER

FINDINGS: None

Site is in generally good condition, in accordance w/ LUCs

I CERTIFY THAT THE CONDITIONS OF THE AREA ON THE INSPECTION DATE(S) WERE AS REPORTED ABOVE.

INSPECTOR SIGNATURE: [Signature]

DATE: 10/14/2021



NAS Whidbey Island
Oak Harbor, WA
OU 2, Area 4: Walker Barn Storage Area

LAND USE CONTROLS (LUCs) INSPECTION CHECKLIST

DATE(S) (MM/DD/YYYY): 10/12/2021

INSPECTOR(S): Alex. McCarthy, Jeff Fellers

COMPANY: Liberty JV

LAND USE CONTROLS:

Ensure that land use remains commercial and/or industrial, which includes a prohibition on development and use of this property for residential housing, elementary and secondary schools, child-care facilities, and playgrounds.

No use of groundwater from, or downgradient of, the area except for monitoring and remediation, except as approved by U.S. EPA and Ecology.

No downgradient well drilling except for monitoring wells and/or remediation system wells authorized by U.S. EPA and Ecology in approved plans.

Protect existing monitoring wells.

INSPECTION CHECKLIST

HAS SITE OR ADJACENT LAND USE CHANGED SINCE LAST INSPECTION?

☐ YES ☒ NO

INSPECTION PERFORMED? (CHECK ALL THAT APPLY)

☒ SITE WALK ☐ INTERVIEW W/
☐ SECURITY CHECK ☐ OTHER

FINDINGS: NONE

IS THERE VISUAL EVIDENCE OF UNAUTHORIZED ON-SITE OR DOWNGRADE WELL INSTALLATION OR GROUNDWATER USE?

☐ YES ☒ NO

INSPECTION PERFORMED? (CHECK ALL THAT APPLY)

☒ SITE WALK ☐ INTERVIEW W/
☐ SECURITY CHECK ☐ OTHER

FINDINGS: NONE

HAVE ANY WELL CONSTRUCTION APPLICATIONS BEEN SUBMITTED TO OR APPROVED BY ISLAND YES NO COUNTY IN AREAS DOWNGRADE OF THE SITE? (ISLAND COUNTY CONTACT REQUIRED)

☐ YES ☒ NO

INSPECTION PERFORMED? (CHECK ALL THAT APPLY)

☒ SITE WALK ☐ INTERVIEW W/
☐ SECURITY CHECK ☐ OTHER

FINDINGS: Island County Dept. of Public Health & Washington Ecology Well Search

ARE ALL MONITORING WELLS IN GOOD CONDITION AND ACCESSIBLE? (REFER TO COMPLETED MONITORING WELL INSPECTION CHECKLISTS OR ANNUAL ON-SITE INSPECTIONS)

☒ YES ☐ NO

INSPECTION PERFORMED? (CHECK ALL THAT APPLY)

☒ SITE WALK ☐ INTERVIEW W/
☐ SECURITY CHECK ☐ OTHER

FINDINGS: New well locks installed.

HAS ACCESS CONTROL BEEN MAINTAINED (REFER TO SECURITY INCIDENT REPORTS)?

☒ YES ☐ NO ☐ NA

IS SIGNAGE INTACT AND READABLE?

☒ YES ☐ NO ☐ NA

INSPECTION PERFORMED (CHECK ALL THAT APPLY)

☒ SITE WALK ☐ INTERVIEW W/
☐ SECURITY CHECK ☐ OTHER

FINDINGS: NONE

ADDITIONAL COMMENTS:

Site in good condition, in accordance w/ LUCs
Site not fenced, located inside NASWI & frequently patrolled by security

I CERTIFY THAT THE CONDITIONS OF THE AREA ON THE INSPECTION DATES(S) WERE AS REPORTED ABOVE.

INSPECTOR SIGNATURE: [Signature]

DATE: 10/12/2021



NAS Whidbey Island
Oak Harbor, WA
OU 2, Area 29: Clover Valley Fire School

LAND USE CONTROLS (LUCs) INSPECTION CHECKLIST

DATE(S) (MM/DD/YY): 10/15/2021

INSPECTOR(S): Alan McPhee, Tom Follen

COMPANY: Liberty JV

LAND USE CONTROLS:

No use of groundwater from, or downgradient of, the area except for monitoring and remediation, except as approved by U.S. EPA and Ecology.
No downgradient well drilling except for monitoring wells and/or remediation system wells authorized by U.S. EPA and Ecology in approved plans.
Protect existing monitoring wells.

INSPECTION CHECKLIST

HAS SITE OR ADJACENT LAND USE CHANGED SINCE LAST INSPECTION?
INSPECTION PERFORMED? (CHECK ALL THAT APPLY)

☐ YES ☒ NO
☒ SITE WALK ☐ INTERVIEW W/
☐ SECURITY CHECK ☐ OTHER

FINDINGS: None

IS THERE VISUAL EVIDENCE OF UNAUTHORIZED ON-SITE OR
DOWNGRADE WELL INSTALLATION OR GROUNDWATER USE?
INSPECTION PERFORMED? (CHECK ALL THAT APPLY)

☐ YES ☒ NO
☒ SITE WALK ☐ INTERVIEW W/
☐ SECURITY CHECK ☐ OTHER
☒ WELL INSPECTIONS
☐ SEE WELL INSPECTION LOGS

FINDINGS: None

HAVE ANY WELL CONSTRUCTION APPLICATIONS BEEN SUBMITTED TO OR
APPROVED BY ISLAND YES NO COUNTY IN AREAS DOWNGRADE OF THE
SITE? (ISLAND COUNTY CONTACT REQUIRED)
INSPECTION PERFORMED? (CHECK ALL THAT APPLY)

☐ YES ☒ NO
☒ SITE WALK ☐ INTERVIEW W/
☐ SECURITY CHECK ☐ OTHER
☒ WELL INSPECTIONS
☐ SEE WELL INSPECTION LOGS

Island County Dept. Public Health
FINDINGS: & Washington Ecology Well Searches

ARE ALL MONITORING WELLS IN GOOD CONDITION AND ACCESSIBLE?
(REFER TO COMPLETED MONITORING WELL INSPECTION CHECKLISTS OR
ANNUAL ON-SITE INSPECTIONS)
INSPECTION PERFORMED? (CHECK ALL THAT APPLY)

☒ YES ☐ NO
☒ SITE WALK ☐ INTERVIEW W/
☐ SECURITY CHECK ☐ OTHER
☒ WELL INSPECTIONS
☒ SEE WELL INSPECTION LOGS

FINDINGS: Some well monuments have lids w/
broken hinges

IS THERE VISUAL OR ADMINISTRATIVE EVIDENCE OF EXCAVATION OR SOIL
DISTURBANCE? IF SO, DETERMINE IF SITE APPROVAL PROCESS HAS BEEN
FOLLOWED.

☐ YES ☒ NO
☒ SITE WALK ☐ INTERVIEW W/
☐ SECURITY CHECK ☐ OTHER

INSPECTION PERFORMED? (CHECK ALL THAT APPLY)
FINDINGS:

HAS ACCESS CONTROL BEEN MAINTAINED (REFER TO SECURITY INCIDENT
REPORTS)?
IS SIGNAGE INTACT AND READABLE?
INSPECTION PERFORMED (CHECK ALL THAT APPLY)

☒ YES ☐ NO ☐ NA
☒ YES ☐ NO ☐ NA
☒ SITE WALK ☐ INTERVIEW W/
☐ SECURITY CHECK ☐ OTHER

FINDINGS: Some signage observed by overgrown vegetation
Site is secured and regularly patrolled by NASIS Security

I CERTIFY THAT THE CONDITIONS OF THE AREA ON THE INSPECTION DATE(S) WERE AS REPORTED ABOVE.

INSPECTOR SIGNATURE:

AMcPhee

DATE: 10/15/21



NAS Whidbey Island
Oak Harbor, WA
OU 3, Area 16: Runway Ditches

LAND USE CONTROLS (LUCs) INSPECTION CHECKLIST

DATE(S) (MM/DD/YYYY): 10/14/2021

INSPECTOR(S): Alex McConthy, Jeff Fetters

COMPANY: Liberty St.

LAND USE CONTROLS:

Ensure that land use remains commercial and/or industrial, which includes a prohibition on development and use of this property for residential housing, elementary and secondary schools, child-care facilities, and playgrounds.

Limit adjoining ditch banks to disposal of dredged sediments meeting MTCA Industrial Soils criteria and/or industrial use.

Deed restrictions for Industrial use.

INSPECTION CHECKLIST

HAS SITE OR ADJACENT LAND USE CHANGED SINCE LAST INSPECTION?

☐ YES ☒ NO

INSPECTION PERFORMED? (CHECK ALL THAT APPLY)

☒ SITE WALK ☐ INTERVIEW W/
☐ SECURITY CHECK ☐ OTHER

FINDINGS: None

HAS ACCESS CONTROL BEEN MAINTAINED (REFER TO SECURITY INCIDENT REPORTS)?

☒ YES ☒ NO ☐ NA

IS SIGNAGE INTACT AND READABLE?

☒ YES ☐ NO ☐ NA

INSPECTION PERFORMED (CHECK ALL THAT APPLY)

☒ SITE WALK ☐ INTERVIEW W/
☐ SECURITY CHECK ☐ OTHER

FINDINGS: None

Site is located within Highly Restricted Airfield.
Minimal signage present due to Aircraft/Airfield.

ADDITIONAL COMMENTS:

- All Airfield ditches are draining stormwater away from the airfield as designed
- some ditches are more heavily vegetated.

- Site is in generally good condition, in accordance of LUCs.

I CERTIFY THAT THE CONDITIONS OF THE AREA ON THE INSPECTION DATES(S) WERE AS REPORTED ABOVE.

INSPECTOR SIGNATURE: [Signature]

DATE: 10/14/21



NAS Whidbey Island
Oak Harbor, WA
OU 4, Areas 48/49: Seaplane Base
Landfill

LAND USE CONTROLS (LUCs) INSPECTION CHECKLIST

DATE(S) (MM/DD/YY): 10/13/2021

INSPECTOR(S): Alex McCarthy, Jeff Fettes

COMPANY: Liberty JV

LAND USE CONTROLS:

Ensure that land use remains commercial and/or industrial, which includes a prohibition on development and use of this property for residential housing, elementary and secondary schools, child-care facilities and playgrounds.

Use restrictions to prevent ground disturbance via excavation or other ground disturbing activities in the area of former construction debris landfill.

INSPECTION CHECKLIST

HAS SITE OR ADJACENT LAND USE CHANGED SINCE LAST INSPECTION?

☐ YES ☒ NO

INSPECTION PERFORMED? (CHECK ALL THAT APPLY)

☒ SITE WALK ☐ INTERVIEW W/
☐ SECURITY CHECK ☐ OTHER

FINDINGS: NONE

IS THERE VISUAL OR ADMINISTRATIVE EVIDENCE OF EXCAVATION OR SOIL DISTURBANCE? IF SO, DETERMINE IF SITE APPROVAL PROCESS HAS BEEN FOLLOWED.

☐ YES ☒ NO
☒ SITE WALK ☐ INTERVIEW W/
☐ SECURITY CHECK ☐ OTHER

INSPECTION PERFORMED? (CHECK ALL THAT APPLY)

FINDINGS:

There is some erosion along the south side of the site that has revealed buried construction debris (concrete, tile, etc.).

HAS ACCESS CONTROL BEEN MAINTAINED (REFER TO SECURITY INCIDENT REPORTS)?

☒ YES ☐ NO ☐ NA
☒ YES ☐ NO ☐ NA
☒ SITE WALK ☐ INTERVIEW W/
☐ SECURITY CHECK ☐ OTHER

IS SIGNAGE INTACT AND READABLE?

INSPECTION PERFORMED (CHECK ALL THAT APPLY)

FINDINGS:

NONE


ADDITIONAL COMMENTS:

Some erosion along the southern boundary shoreline
Otherwise site in Good condition. In accordance w/ LUCs

I CERTIFY THAT THE CONDITIONS OF THE AREA ON THE INSPECTION DATES(S) WERE AS REPORTED ABOVE.

INSPECTOR SIGNATURE: Alex McCarthy

DATE: 10/13/21

 <p>NAVFAC Naval Facilities Engineering Systems Command</p>	<p>NAS Whidbey Island Oak Harbor, WA OU 5, Area 1: Former Beach Landfill</p>
<p>LAND USE CONTROLS (LUCs) INSPECTION CHECKLIST</p>	
<p>DATE(S) (MM/DD/YY): <u>10/12/2021</u></p>	
<p>INSPECTOR(S): <u>Alex McCarthy</u></p>	<p>COMPANY: <u>Liberty JV</u></p>
<p>LAND USE CONTROLS: Ensure that land use remains commercial and/or industrial, which includes a prohibition on development and use of this property for residential housing, elementary and secondary schools, child-care facilities, and playgrounds. No use of groundwater from, or downgradient of, the area except for monitoring and remediation, except as approved by U.S. EPA and Ecology. No downgradient well drilling except for monitoring wells and/or remediation system wells authorized by U.S. EPA and Ecology in approved plans. Protect existing monitoring wells. Use restrictions to prevent ground disturbance via disturbance and/or construction activities in the area of former debris landfill. Ensure that shoreline armoring is in place and functioning as intended. Annual visual inspection of the shoreline armoring and perform repairs, if warranted.</p>	
<p>INSPECTION CHECKLIST</p>	
<p>HAS SITE OR ADJACENT LAND USE CHANGED SINCE LAST INSPECTION? INSPECTION PERFORMED? (CHECK ALL THAT APPLY)</p>	
<p>FINDINGS: <u>NONE</u></p>	<p> <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input checked="" type="checkbox"/> SITE WALK <input type="checkbox"/> INTERVIEW W/ <input type="checkbox"/> SECURITY CHECK <input type="checkbox"/> OTHER </p>
<p>IS THERE VISUAL EVIDENCE OF UNAUTHORIZED ON-SITE OR DOWNGRAIDENT WELL INSTALLATION OR GROUNDWATER USE? INSPECTION PERFORMED? (CHECK ALL THAT APPLY)</p>	
<p>FINDINGS: <u>NONE</u></p>	<p> <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input checked="" type="checkbox"/> SITE WALK <input type="checkbox"/> INTERVIEW W/ <input type="checkbox"/> SECURITY CHECK <input type="checkbox"/> OTHER <input checked="" type="checkbox"/> WELL INSPECTIONS <input checked="" type="checkbox"/> SEE WELL INSPECTION LOGS </p>
<p>HAVE ANY WELL CONSTRUCTION APPLICATIONS BEEN SUBMITTED TO OR APPROVED BY ISLAND YES NO COUNTY IN AREAS DOWNGRAIDENT OF THE SITE? (ISLAND COUNTY CONTACT REQUIRED) INSPECTION PERFORMED? (CHECK ALL THAT APPLY)</p>	
<p>FINDINGS: <u>Island County Dept. of Public Health</u> <u>4 Washington Ecology Well Search.</u></p>	<p> <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input checked="" type="checkbox"/> SITE WALK <input type="checkbox"/> INTERVIEW W/ <input type="checkbox"/> SECURITY CHECK <input type="checkbox"/> OTHER <input checked="" type="checkbox"/> WELL INSPECTIONS <input checked="" type="checkbox"/> SEE WELL INSPECTION LOGS </p>
<p>ARE ALL MONITORING WELLS IN GOOD CONDITION AND ACCESSIBLE? (REFER TO COMPLETED MONITORING WELL INSPECTION CHECKLISTS OR ANNUAL ON-SITE INSPECTIONS) INSPECTION PERFORMED? (CHECK ALL THAT APPLY)</p>	
<p>FINDINGS: <u>New well locks installed.</u></p>	<p> <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> SITE WALK <input type="checkbox"/> INTERVIEW W/ <input type="checkbox"/> SECURITY CHECK <input type="checkbox"/> OTHER <input checked="" type="checkbox"/> WELL INSPECTIONS <input checked="" type="checkbox"/> SEE WELL INSPECTION LOGS </p>
<p>HAS ACCESS CONTROL BEEN MAINTAINED (REFER TO SECURITY INCIDENT REPORTS)? IS SIGNAGE INTACT AND READABLE? INSPECTION PERFORMED (CHECK ALL THAT APPLY)</p>	
<p>FINDINGS: <u>NONE</u></p>	<p> <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> NA <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> NA <input checked="" type="checkbox"/> SITE WALK <input type="checkbox"/> INTERVIEW W/ <input type="checkbox"/> SECURITY CHECK <input type="checkbox"/> OTHER </p>
<p>ADDITIONAL COMMENTS:</p>	
<p><u>Site in good condition, in Accordance w/ LUCs</u> <u>Silt fence (BMP) in Poor condition.</u></p>	
<p>I CERTIFY THAT THE CONDITIONS OF THE AREA ON THE INSPECTION DATE(S) WERE AS REPORTED ABOVE.</p>	
<p>INSPECTOR SIGNATURE: <u>Alex McCarthy</u></p>	<p>DATE: <u>10/12/21</u></p>



NAS Whidbey Island
Oak Harbor, WA
OU 5, Area 31: Former Runway Fire
Training School

LAND USE CONTROLS (LUCs) INSPECTION CHECKLIST

DATE(S) (MM/DD/YY): *10/14/2021*

INSPECTOR(S): *Alex McLuskey, Jeff Fettes*

COMPANY: *Liberty JV*

LAND USE CONTROLS:

Ensure that land use remains commercial and/or industrial, which includes a prohibition on development and use of this property for residential housing, elementary and secondary schools, child-care facilities, and playgrounds.

No use of groundwater from, or downgradient of, the area except for monitoring and remediation, except as approved by U.S. EPA and Ecology.

No downgradient well drilling except for monitoring wells and/or remediation system wells authorized by U.S. EPA and Ecology in approved plans.

Protect existing monitoring wells.

INSPECTION CHECKLIST

HAS SITE OR ADJACENT LAND USE CHANGED SINCE LAST INSPECTION?

☐ YES ☒ NO

INSPECTION PERFORMED? (CHECK ALL THAT APPLY)

☒ SITE WALK ☐ INTERVIEW W/

☐ SECURITY CHECK ☐ OTHER

FINDINGS: *None*

IS THERE VISUAL EVIDENCE OF UNAUTHORIZED ON-SITE OR DOWNGRADEMENT WELL INSTALLATION OR GROUNDWATER USE?

☐ YES ☒ NO

INSPECTION PERFORMED? (CHECK ALL THAT APPLY)

☒ SITE WALK ☐ INTERVIEW W/

☐ SECURITY CHECK ☐ OTHER

☒ WELL INSPECTIONS

☒ SEE WELL INSPECTION LOGS

FINDINGS: *None*

HAVE ANY WELL CONSTRUCTION APPLICATIONS BEEN SUBMITTED TO OR APPROVED BY ISLAND YES NO COUNTY IN AREAS DOWNGRADEMENT OF THE SITE? (ISLAND COUNTY CONTACT REQUIRED)

☐ YES ☐ NO

INSPECTION PERFORMED? (CHECK ALL THAT APPLY)

☐ SITE WALK ☐ INTERVIEW W/

☐ SECURITY CHECK ☐ OTHER

☐ WELL INSPECTIONS

☐ SEE WELL INSPECTION LOGS

FINDINGS: *Island County Dept of Public Health, & Washington Ecology Well Search.*

ARE ALL MONITORING WELLS IN GOOD CONDITION AND ACCESSIBLE? (REFER TO COMPLETED MONITORING WELL INSPECTION CHECKLISTS OR ANNUAL ON-SITE INSPECTIONS)

☒ YES ☒ NO

INSPECTION PERFORMED? (CHECK ALL THAT APPLY)

☒ SITE WALK ☐ INTERVIEW W/

☐ SECURITY CHECK ☐ OTHER

☒ WELL INSPECTIONS

☒ SEE WELL INSPECTION LOGS

FINDINGS: *New locks installed. Wells are in moderate condition.*

HAS ACCESS CONTROL BEEN MAINTAINED (REFER TO SECURITY INCIDENT REPORTS)?

☒ YES ☒ NO ☐ NA

IS SIGNAGE INTACT AND READABLE?

☒ YES ☐ NO ☐ NA

INSPECTION PERFORMED (CHECK ALL THAT APPLY)

☒ SITE WALK ☐ INTERVIEW W/

☐ SECURITY CHECK ☐ OTHER

FINDINGS: *Site located within secured airfield.*

ADDITIONAL COMMENTS: *Site is generally good condition, in accordance w/ LUCs. Sorage system not in use.*

I CERTIFY THAT THE CONDITIONS OF THE AREA ON THE INSPECTION DATES(S) WERE AS REPORTED ABOVE.

INSPECTOR SIGNATURE: *[Signature]*

DATE: *10/14/21*



NAS Whidbey Island
Oak Harbor, WA
OU 5, Area 52: Jet Engine Test Cell

LAND USE CONTROLS (LUCs) INSPECTION CHECKLIST

DATE(S) (MM/DD/YY): 10/12/2021

INSPECTOR(S): Alex McCarthy, Jeff Fettes

COMPANY: Liberty JV

LAND USE CONTROLS:

Ensure that land use remains commercial and/or industrial, which includes a prohibition on development and use of this property for residential housing, elementary and secondary schools, child-care facilities, and playgrounds.

No use of groundwater from, or downgradient of, the area except for monitoring and remediation, except as approved by U.S. EPA and Ecology.

No downgradient well drilling except for monitoring wells and/or remediation system wells authorized by U.S. EPA and Ecology in approved plans.

Protect existing monitoring wells.

In the event of property transfer include (future) deed covenants to restrict land use and drinking water well construction.

INSPECTION CHECKLIST

HAS SITE OR ADJACENT LAND USE CHANGED SINCE LAST INSPECTION?

☐ YES ☒ NO

INSPECTION PERFORMED? (CHECK ALL THAT APPLY)

☒ SITE WALK ☐ INTERVIEW W/
☐ SECURITY CHECK ☐ OTHER

FINDINGS: None

IS THERE VISUAL EVIDENCE OF UNAUTHORIZED ON-SITE OR
DOWNGRADEMENT WELL INSTALLATION OR GROUNDWATER USE?

☐ YES ☒ NO
☒ SITE WALK ☐ INTERVIEW W/
☐ SECURITY CHECK ☐ OTHER
☐ WELL INSPECTIONS
☐ SEE WELL INSPECTION LOGS

INSPECTION PERFORMED? (CHECK ALL THAT APPLY)

FINDINGS: None

HAVE ANY WELL CONSTRUCTION APPLICATIONS BEEN SUBMITTED TO OR
APPROVED BY ISLAND YES NO COUNTY IN AREAS DOWNGRADEMENT OF THE
SITE? (ISLAND COUNTY CONTACT REQUIRED)

☐ YES ☒ NO
☒ SITE WALK ☐ INTERVIEW W/
☐ SECURITY CHECK ☐ OTHER
☒ WELL INSPECTIONS
☐ SEE WELL INSPECTION LOGS

INSPECTION PERFORMED? (CHECK ALL THAT APPLY)

Island County Dept. of Public Health

FINDINGS: 4 Washington Ecology well search

ARE ALL MONITORING WELLS IN GOOD CONDITION AND ACCESSIBLE?
(REFER TO COMPLETED MONITORING WELL INSPECTION CHECKLISTS OR
ANNUAL ON-SITE INSPECTIONS)

☒ YES ☐ NO
☒ SITE WALK ☐ INTERVIEW W/
☐ SECURITY CHECK ☐ OTHER
☐ WELL INSPECTIONS
☐ SEE WELL INSPECTION LOGS

INSPECTION PERFORMED? (CHECK ALL THAT APPLY)

FINDINGS: No monitoring wells present on-site that require inspection.

HAS ACCESS CONTROL BEEN MAINTAINED (REFER TO SECURITY INCIDENT
REPORTS)?

☒ YES ☐ NO ☐ NA
☒ YES ☐ NO ☐ NA
☒ SITE WALK ☐ INTERVIEW W/
☐ SECURITY CHECK ☐ OTHER

IS SIGNAGE INTACT AND READABLE?

INSPECTION PERFORMED (CHECK ALL THAT APPLY)

FINDINGS: Secured within NAS W.I.

ADDITIONAL COMMENTS: A monitoring well that was previously observed as having a broken
flush mount cover had been repaired. This well is not included in the
list of wells requiring inspection.

I CERTIFY THAT THE CONDITIONS OF THE AREA ON THE INSPECTION DATES(S) WERE AS REPORTED ABOVE.

INSPECTOR SIGNATURE:

DATE: 10/12/21



NAS Whidbey Island
Oak Harbor, WA
Site 22, Hangar 5

LAND USE CONTROLS (LUCs) INSPECTION CHECKLIST

DATE(S) (MM/DD/YY): 10/14/2021

INSPECTOR(S): Alex McCarthy, Jeff Fettes

COMPANY: Liberty JV

LAND USE CONTROLS:

Ensure that land use remains commercial and/or industrial, which includes a prohibition on development and use of this property for residential housing, elementary and secondary schools, child-care facilities, and playgrounds.

No use of groundwater from, or downgradient of, the area except for monitoring and remediation, except as approved by U.S. EPA and Ecology.

No downgradient well drilling except for monitoring wells and/or remediation system wells authorized by U.S. EPA and Ecology in approved plans.

Protect existing monitoring wells.

Ensure that all disturbed or excavated soils at or from the area are properly categorized and disposed of, and that workers are protected during any such disturbance or excavation.

INSPECTION CHECKLIST

HAS SITE OR ADJACENT LAND USE CHANGED SINCE LAST INSPECTION?

☐ YES ☒ NO

INSPECTION PERFORMED? (CHECK ALL THAT APPLY)

☒ SITE WALK ☐ INTERVIEW W/
☐ SECURITY CHECK ☐ OTHER

FINDINGS: None

IS THERE VISUAL OR ADMINISTRATIVE EVIDENCE OF EXCAVATION OR SOIL DISTURBANCE? IF SO, DETERMINE IF SITE APPROVAL PROCESS HAS BEEN FOLLOWED.

☐ YES ☒ NO

INSPECTION PERFORMED? (CHECK ALL THAT APPLY)

☒ SITE WALK ☐ INTERVIEW W/
☐ SECURITY CHECK ☐ OTHER

FINDINGS: None

IS THERE VISUAL EVIDENCE OF UNAUTHORIZED ON-SITE OR DOWNGRADE WELL INSTALLATION OR GROUNDWATER USE?

☐ YES ☒ NO

INSPECTION PERFORMED? (CHECK ALL THAT APPLY)

☒ SITE WALK ☐ INTERVIEW W/
☐ SECURITY CHECK ☐ OTHER
☒ WELL INSPECTIONS
☒ SEE WELL INSPECTION LOGS

FINDINGS: None

HAVE ANY WELL CONSTRUCTION APPLICATIONS BEEN SUBMITTED TO OR APPROVED BY ISLAND YES NO COUNTY IN AREAS DOWNGRADE OF THE SITE? (ISLAND COUNTY CONTACT REQUIRED)

☐ YES ☒ NO

INSPECTION PERFORMED? (CHECK ALL THAT APPLY)

☒ SITE WALK ☐ INTERVIEW W/
☐ SECURITY CHECK ☐ OTHER
☒ WELL INSPECTIONS
☒ SEE WELL INSPECTION LOGS

FINDINGS: Island County Dept. of Public Health & Washington Ecology well search.

ARE ALL MONITORING WELLS IN GOOD CONDITION AND ACCESSIBLE? (REFER TO COMPLETED MONITORING WELL INSPECTION CHECKLISTS OR ANNUAL ON-SITE INSPECTIONS)

☒ YES ☐ NO

INSPECTION PERFORMED? (CHECK ALL THAT APPLY)

☒ SITE WALK ☐ INTERVIEW W/
☐ SECURITY CHECK ☐ OTHER
☒ WELL INSPECTIONS
☐ SEE WELL INSPECTION LOGS

FINDINGS: Wells are not clearly labelled. Unable to install new locks on some wells.

HAS ACCESS CONTROL BEEN MAINTAINED (REFER TO SECURITY INCIDENT REPORTS)?

☒ YES ☐ NO

IS SIGNAGE INTACT AND READABLE?

☐ YES ☐ NO

☐ NA

☒ NA

INSPECTION PERFORMED (CHECK ALL THAT APPLY)

☒ SITE WALK ☐ INTERVIEW W/
☐ SECURITY CHECK ☐ OTHER

FINDINGS: Access to Airfield Highly Restricted.

I CERTIFY THAT THE CONDITIONS OF THE AREA ON THE INSPECTION DATES(S) WERE AS REPORTED ABOVE.

INSPECTOR SIGNATURE: Alex McCarthy

DATE: 10/14/21



NAS Whidbey Island
Oak Harbor, WA
MRP Site: Site EO354, Former
MGRs B & C

LAND USE CONTROLS (LUCs) INSPECTION CHECKLIST

DATE(S) (MM|DD|YY): 10/14/2021

INSPECTOR(S): Alex McEnty, Jeff Fellers

COMPANY: Liberty JV

LAND USE CONTROLS:

Ensure that site is used for non-residential purposes only; non-residential land uses may include recreational, industrial, commercial, office, and educational uses.

Ensure that all disturbed or excavated soils at or from the area are properly categorized and disposed of, and that workers are protected during any such disturbance or excavation.

INSPECTION CHECKLIST

HAS SITE OR ADJACENT LAND USE CHANGED SINCE LAST INSPECTION?

☐ YES ☒ NO

INSPECTION PERFORMED? (CHECK ALL THAT APPLY)

☒ SITE WALK ☐ INTERVIEW W/
☐ SECURITY CHECK ☐ OTHER

FINDINGS: NONE

IS THERE VISUAL OR ADMINISTRATIVE EVIDENCE OF EXCAVATION OR SOIL DISTURBANCE? IF SO, DETERMINE IF SITE APPROVAL PROCESS HAS BEEN FOLLOWED.

☐ YES ☒ NO

INSPECTION PERFORMED? (CHECK ALL THAT APPLY)

☒ SITE WALK ☐ INTERVIEW W/
☐ SECURITY CHECK ☐ OTHER

FINDINGS: NONE

HAS ACCESS CONTROL BEEN MAINTAINED (REFER TO SECURITY INCIDENT REPORTS)?

☒ YES ☐ NO ☐ NA

IS SIGNAGE INTACT AND READABLE?

☒ YES ☐ NO ☐ NA

INSPECTION PERFORMED (CHECK ALL THAT APPLY)

☒ SITE WALK ☐ INTERVIEW W/
☐ SECURITY CHECK ☐ OTHER

FINDINGS:

ADDITIONAL COMMENTS:

- Fence along south and north side of site not continuous
- Thick vegetation prevents pedestrians from accessing the site from the west/shoreline side of the site
- Site is in generally good condition, in accordance w/ LUCs

I CERTIFY THAT THE CONDITIONS OF THE AREA ON THE INSPECTION DATES(S) WERE AS REPORTED ABOVE.

INSPECTOR SIGNATURE: [Signature]

DATE: 10/14/21



NAS Whidbey Island
Oak Harbor, WA
MRP Site: Site EO354, Former MTTR

LAND USE CONTROLS (LUCs) INSPECTION CHECKLIST

DATE(S) (MM/DD/YY): *10/15/2021*

INSPECTOR(S): *Alex. McCarthy, Jeff Fetter*

COMPANY: *Liberty JV*

LAND USE CONTROLS:

Ensure that site is used for non-residential purposes only; non-residential land uses may include recreational, industrial, commercial, office, and educational uses.

Ensure that all disturbed or excavated soils at or from the area are properly categorized and disposed of, and that workers are protected during any such disturbance or excavation.

INSPECTION CHECKLIST

HAS SITE OR ADJACENT LAND USE CHANGED SINCE LAST INSPECTION?

- ☒ YES ☒ NO
☒ SITE WALK ☐ INTERVIEW W/
☐ SECURITY CHECK ☐ OTHER

INSPECTION PERFORMED? (CHECK ALL THAT APPLY)

FINDINGS: *None*

IS THERE VISUAL OR ADMINISTRATIVE EVIDENCE OF EXCAVATION OR SOIL DISTURBANCE? IF SO, DETERMINE IF SITE APPROVAL PROCESS HAS BEEN FOLLOWED.

- ☐ YES ☒ NO
☒ SITE WALK ☐ INTERVIEW W/
☐ SECURITY CHECK ☐ OTHER

INSPECTION PERFORMED? (CHECK ALL THAT APPLY)

FINDINGS: *None*

HAS ACCESS CONTROL BEEN MAINTAINED (REFER TO SECURITY INCIDENT REPORTS)?

- ☒ YES ☐ NO ☐ NA
☒ YES ☐ NO ☐ NA
☒ SITE WALK ☐ INTERVIEW W/
☐ SECURITY CHECK ☐ OTHER

IS SIGNAGE INTACT AND READABLE?

INSPECTION PERFORMED (CHECK ALL THAT APPLY)

FINDINGS:

Some signage maintenance necessary.

ADDITIONAL COMMENTS:

- Site not continuously fenced along south & eastern boundaries.*
- Site in generally good condition, in accordance w/ LUCs.*

I CERTIFY THAT THE CONDITIONS OF THE AREA ON THE INSPECTION DATES(S) WERE AS REPORTED ABOVE.

INSPECTOR SIGNATURE: *A/McCarthy*

DATE: *10/15/21*



NAS Whidbey Island
Oak Harbor, WA
MRP Site: Site EO351, Former
Lake Hancock Target Range

LAND USE CONTROLS (LUCs) INSPECTION CHECKLIST

DATE(S) (MM/DD/YY): 10/13/2021

INSPECTOR(S): Alex McCarthy, Jeff Fetters

COMPANY: Liberty JV

LAND USE CONTROLS:

Ensure that site is used for military purposes only.
Ensure UXO support during intrusive/construction, ground-disturbing activities (up to 10 feet below ground surface).
Ensure perimeter fencing is intact to restrict access to site.
Ensure signage is intact and readable, designating site as a restricted access area and potential UXO area.

INSPECTION CHECKLIST

HAS SITE OR ADJACENT LAND USE CHANGED SINCE LAST INSPECTION?

☐ YES ☒ NO

INSPECTION PERFORMED? (CHECK ALL THAT APPLY)

☒ SITE WALK ☐ INTERVIEW W/
☐ SECURITY CHECK ☐ OTHER

FINDINGS: None

IS THERE VISUAL OR ADMINISTRATIVE EVIDENCE OF INTRUSIVE/
CONSTRUCTION, GROUND-DISTURBING ACTIVITIES? IF SO, DETERMINE IF
SITE APPROVAL PROCESS HAS BEEN FOLLOWED AND UXO SUPPORT WAS
PROVIDED.

☐ YES ☒ NO
☒ SITE WALK ☐ INTERVIEW W/
☐ SECURITY CHECK ☐ OTHER

INSPECTION PERFORMED? (CHECK ALL THAT APPLY)

FINDINGS: None

HAS ACCESS CONTROL BEEN MAINTAINED (REFER TO SECURITY INCIDENT
REPORTS)?

☒ YES ☐ NO ☐ NA

IS SIGNAGE INTACT AND READABLE?

☒ YES ☐ NO ☐ NA

INSPECTION PERFORMED (CHECK ALL THAT APPLY)

☒ SITE WALK ☐ INTERVIEW W/
☐ SECURITY CHECK ☐ OTHER

FINDINGS:

Previous fencing discrepancy at the SW corner has been repaired.

ADDITIONAL COMMENTS:

Site remains accessible from the West-shoreline.
SW corner fencing has been repaired to prevent residents from accessing site
Local residents on NW corner can access site around corner of fence.
Fence along eastern boundary not continuous.
Site generally in good condition in accordance w/ LUCs.

I CERTIFY THAT THE CONDITIONS OF THE AREA ON THE INSPECTION DATE(S) WERE AS REPORTED ABOVE.

INSPECTOR SIGNATURE: [Signature]

DATE: 10/13/21



NAS Whidbey Island
Oak Harbor, WA
Site 36, Former Fuel Farm 1

LAND USE CONTROLS (LUCs) INSPECTION CHECKLIST

DATE(S) (MM/DD/YYYY): 10/15/2021

INSPECTOR(S): Alex McCarthy, Jeff Fetter

COMPANY: Liberty JV

LAND USE CONTROLS:

Ensure that land use remains industrial with restricted recreational land use limited to the Upper Area along paved footpaths with traffic confined to specific areas, signs, and barrier vegetation and along paved athletic areas.

No use of groundwater from, or downgradient of, the area except for monitoring and remediation, except as approved by U.S. EPA and Ecology.

No downgradient well drilling except for monitoring wells and/or remediation system wells authorized by U.S. EPA and Ecology in approved plans.

Protect existing monitoring wells.

Ensure that all disturbed or excavated soils at or from the site are properly categorized and disposed of, and that workers are protected during any such disturbance or excavation.

Maintain controlled access and security fencing for Tank 226 and the Resource Conservation and Recovery Act satellite accumulation point.

Deed restrictions placing limiting conditions on property conveyance; prohibiting well construction; restricting land use and construction activity; and requiring notification of EPA, Ecology, or their designees of intent to transfer interest in the property, modify land use, or implement construction activity and the requirement of agency approvals for such actions.

INSPECTION CHECKLIST

HAS SITE OR ADJACENT LAND USE CHANGED SINCE LAST INSPECTION?

☐ YES ☒ NO

INSPECTION PERFORMED? (CHECK ALL THAT APPLY)

☒ SITE WALK ☐ INTERVIEW W/
☐ SECURITY CHECK ☐ OTHER

FINDINGS: None

IS THERE VISUAL EVIDENCE OF UNAUTHORIZED ON-SITE OR DOWNGRADE WELL INSTALLATION OR GROUNDWATER USE?

☐ YES ☒ NO

INSPECTION PERFORMED? (CHECK ALL THAT APPLY)

☒ SITE WALK ☐ INTERVIEW W/
☐ SECURITY CHECK ☐ OTHER
☒ WELL INSPECTIONS
☐ SEE WELL INSPECTION LOGS

FINDINGS: None

HAVE ANY WELL CONSTRUCTION APPLICATIONS BEEN SUBMITTED TO OR APPROVED BY ISLAND YES NO COUNTY IN AREAS DOWNGRADE OF THE SITE? (ISLAND COUNTY CONTACT REQUIRED)

☐ YES ☒ NO

INSPECTION PERFORMED? (CHECK ALL THAT APPLY)

☒ SITE WALK ☐ INTERVIEW W/
☐ SECURITY CHECK ☐ OTHER
☒ WELL INSPECTIONS
☐ SEE WELL INSPECTION LOGS

FINDINGS: Island County Dept of Public Health & Washington Ecology Well records

ARE ALL MONITORING WELLS IN GOOD CONDITION AND ACCESSIBLE? (REFER TO COMPLETED MONITORING WELL INSPECTION CHECKLISTS OR ANNUAL ON-SITE INSPECTIONS)

☒ YES ☐ NO

INSPECTION PERFORMED? (CHECK ALL THAT APPLY)

☒ SITE WALK ☐ INTERVIEW W/
☐ SECURITY CHECK ☐ OTHER
☒ WELL INSPECTIONS
☒ SEE WELL INSPECTION LOGS

FINDINGS: Minor well maintenance necessary

IS THERE VISUAL OR ADMINISTRATIVE EVIDENCE OF EXCAVATION OR SOIL DISTURBANCE? IF SO, DETERMINE IF SITE APPROVAL PROCESS HAS BEEN FOLLOWED.

☐ YES ☒ NO

INSPECTION PERFORMED? (CHECK ALL THAT APPLY)

☒ SITE WALK ☐ INTERVIEW W/
☐ SECURITY CHECK ☐ OTHER

FINDINGS:

HAS ACCESS CONTROL BEEN MAINTAINED (REFER TO SECURITY INCIDENT REPORTS)?

☒ YES ☐ NO ☐ NA

IS SIGNAGE INTACT AND READABLE?

☒ YES ☐ NO ☐ NA

INSPECTION PERFORMED (CHECK ALL THAT APPLY)

☒ SITE WALK ☐ INTERVIEW W/
☐ SECURITY CHECK ☐ OTHER

FINDINGS: Upper Southern Area is fenced. Entire site is located within secured NASWJ Seaplane Base. Site is in good condition in accordance w/ LUCs

I CERTIFY THAT THE CONDITIONS OF THE AREA ON THE INSPECTION DATE(S) WERE AS REPORTED ABOVE.

INSPECTOR SIGNATURE: [Signature]

DATE: 10/15/21



**NAS Whidbey Island
Oak Harbor, WA
Site 35, Former Fuel Farm 2**

LAND USE CONTROLS (LUCs) INSPECTION CHECKLIST

DATE(S) (MM/DD/YYYY): *10/13/2021*

INSPECTOR(S): *Alex McCarthy, Jeff Fetter*

COMPANY: *Liberty JV*

LAND USE CONTROLS:

Ensure that site is used for non-residential purposes only, which includes a prohibition on development and use of this property for residential housing, elementary and secondary schools, child-care facilities, and playgrounds.
No use of groundwater from, or downgradient of, the area except for monitoring and remediation, except as approved by U.S. EPA and Ecology.
No downgradient well drilling except for monitoring wells and/or remediation system wells authorized by U.S. EPA and Ecology in approved plans.
Protect existing monitoring wells.
Ensure that all disturbed or excavated soils at or from the site are properly categorized and disposed of, and that workers are protected during any such disturbance or excavation.
Deed restrictions placing limiting conditions on property conveyance; prohibiting well construction; restricting land use and construction activity; and requiring notification of EPA, Ecology, or their designees of intent to transfer interest in the property, modify land use, or implement construction activity and the requirement of agency approvals for such actions.

INSPECTION CHECKLIST

HAS SITE OR ADJACENT LAND USE CHANGED SINCE LAST INSPECTION?

☐ YES ☒ NO
☒ SITE WALK ☐ INTERVIEW W/
☐ SECURITY CHECK ☐ OTHER

INSPECTION PERFORMED? (CHECK ALL THAT APPLY)

FINDINGS: *None*

IS THERE VISUAL EVIDENCE OF UNAUTHORIZED ON-SITE OR
DOWNGRADIANT WELL INSTALLATION OR GROUNDWATER USE?

☐ YES ☒ NO
☒ SITE WALK ☐ INTERVIEW W/
☐ SECURITY CHECK ☐ OTHER
☒ WELL INSPECTIONS
☒ SEE WELL INSPECTION LOGS

INSPECTION PERFORMED? (CHECK ALL THAT APPLY)

FINDINGS: *None*

HAVE ANY WELL CONSTRUCTION APPLICATIONS BEEN SUBMITTED TO OR
APPROVED BY ISLAND YES NO COUNTY IN AREAS DOWNGRADIANT OF THE
SITE? (ISLAND COUNTY CONTACT REQUIRED)

☐ YES ☒ NO
☒ SITE WALK ☐ INTERVIEW W/
☐ SECURITY CHECK ☐ OTHER
☒ WELL INSPECTIONS
☒ SEE WELL INSPECTION LOGS

INSPECTION PERFORMED? (CHECK ALL THAT APPLY)

FINDINGS: *Island County Dept. of Public Health
& Washington Ecology Well Search.*

ARE ALL MONITORING WELLS IN GOOD CONDITION AND ACCESSIBLE?
(REFER TO COMPLETED MONITORING WELL INSPECTION CHECKLISTS OR
ANNUAL ON-SITE INSPECTIONS)

☒ YES ☐ NO
☒ SITE WALK ☐ INTERVIEW W/
☐ SECURITY CHECK ☐ OTHER
☒ WELL INSPECTIONS
☒ SEE WELL INSPECTION LOGS

INSPECTION PERFORMED? (CHECK ALL THAT APPLY)

FINDINGS: *New locks installed.*

IS THERE VISUAL OR ADMINISTRATIVE EVIDENCE OF EXCAVATION OR SOIL
DISTURBANCE? IF SO, DETERMINE IF SITE APPROVAL PROCESS HAS BEEN
FOLLOWED.

☐ YES ☒ NO
☒ SITE WALK ☐ INTERVIEW W/
☐ SECURITY CHECK ☐ OTHER

INSPECTION PERFORMED? (CHECK ALL THAT APPLY)

FINDINGS: *None*

HAS ACCESS CONTROL BEEN MAINTAINED (REFER TO SECURITY INCIDENT
REPORTS)?

☒ YES ☐ NO ☐ NA
☒ YES ☐ NO ☐ NA
☒ SITE WALK ☐ INTERVIEW W/
☒ SECURITY CHECK ☐ OTHER

IS SIGNAGE INTACT AND READABLE?

INSPECTION PERFORMED (CHECK ALL THAT APPLY)

FINDINGS: *Site not fenced but located within
Secured NAS WI Seaplane Base*

I CERTIFY THAT THE CONDITIONS OF THE AREA ON THE INSPECTION DATE(S) WERE AS REPORTED ABOVE.

INSPECTOR SIGNATURE: *[Signature]*

DATE: *10/13/21*



**NAS Whidbey Island
Oak Harbor, WA
Site 13, Former Fuel Farm 3**

LAND USE CONTROLS (LUCs) INSPECTION CHECKLIST

DATE(S) (MM/DD/YY): 10/10/2021

INSPECTOR(S): Alex McLarney, Jeff Fettes

COMPANY: Liberty JV

LAND USE CONTROLS:

Ensure that land use remains Industrial, which includes a prohibition on development and use of this property for residential housing, elementary and secondary schools, child care facilities, and playgrounds.

No use of groundwater from, or downgradient of, the area except for monitoring and remediation, except as approved by U.S. EPA and Ecology.

No downgradient well drilling except for monitoring wells and/or remediation system wells authorized by U.S. EPA and Ecology in approved plans.

Protect existing monitoring wells.

Ensure that all disturbed or excavated soils at or from the site are properly categorized and disposed of, and that workers are protected during any such disturbance or excavation

Deed restrictions placing limiting conditions on property conveyance; prohibiting well construction; restricting land use and construction activity; and requiring notification of EPA, Ecology, or their designees of intent to transfer interest in the property, modify land use, or implement construction activity and the requirement of agency approvals for

INSPECTION CHECKLIST

HAS SITE OR ADJACENT LAND USE CHANGED SINCE LAST INSPECTION?

☐ YES ☒ NO

INSPECTION PERFORMED? (CHECK ALL THAT APPLY)

☒ SITE WALK ☐ INTERVIEW W/
☐ SECURITY CHECK ☐ OTHER

FINDINGS:

IS THERE VISUAL EVIDENCE OF UNAUTHORIZED ON-SITE OR
DOWNGRADE WELL INSTALLATION OR GROUNDWATER USE?

☐ YES ☒ NO

INSPECTION PERFORMED? (CHECK ALL THAT APPLY)

☒ SITE WALK ☐ INTERVIEW W/
☐ SECURITY CHECK ☐ OTHER
☒ WELL INSPECTIONS
☐ SEE WELL INSPECTION LOGS

FINDINGS:

HAVE ANY WELL CONSTRUCTION APPLICATIONS BEEN SUBMITTED TO OR
APPROVED BY ISLAND YES NO COUNTY IN AREAS DOWNGRADE OF THE
SITE? (ISLAND COUNTY CONTACT REQUIRED)

☐ YES ☐ NO

INSPECTION PERFORMED? (CHECK ALL THAT APPLY)

☐ SITE WALK ☐ INTERVIEW W/
☐ SECURITY CHECK ☐ OTHER
☐ WELL INSPECTIONS
☐ SEE WELL INSPECTION LOGS

FINDINGS:

ARE ALL MONITORING WELLS IN GOOD CONDITION AND ACCESSIBLE?
(REFER TO COMPLETED MONITORING WELL INSPECTION CHECKLISTS OR
ANNUAL ON-SITE INSPECTIONS)

☒ YES ☐ NO

INSPECTION PERFORMED? (CHECK ALL THAT APPLY)

☒ SITE WALK ☐ INTERVIEW W/
☐ SECURITY CHECK ☐ OTHER
☒ WELL INSPECTIONS
☒ SEE WELL INSPECTION LOGS

FINDINGS:

IS THERE VISUAL OR ADMINISTRATIVE EVIDENCE OF EXCAVATION OR SOIL
DISTURBANCE? IF SO, DETERMINE IF SITE APPROVAL PROCESS HAS BEEN
FOLLOWED.

☐ YES ☐ NO

INSPECTION PERFORMED? (CHECK ALL THAT APPLY)

☐ SITE WALK ☐ INTERVIEW W/
☐ SECURITY CHECK ☐ OTHER

FINDINGS:

HAS ACCESS CONTROL BEEN MAINTAINED (REFER TO SECURITY INCIDENT
REPORTS)?

☐ YES ☐ NO ☐ NA

IS SIGNAGE INTACT AND READABLE?

☒ YES ☐ NO ☐ NA

INSPECTION PERFORMED (CHECK ALL THAT APPLY)

☒ SITE WALK ☐ INTERVIEW W/
☐ SECURITY CHECK ☐ OTHER

FINDINGS:

I CERTIFY THAT THE CONDITIONS OF THE AREA ON THE INSPECTION DATE(S) WERE AS REPORTED ABOVE.

INSPECTOR SIGNATURE:

DATE:



**NAS Whidbey Island
Oak Harbor, WA
Site 11, Former Fuel Farm 4**

LAND USE CONTROLS (LUCs) INSPECTION CHECKLIST

DATE(S) (MM/DD/YY): 10/13/2021

INSPECTOR(S): Alex McCaskey, Jeff Fetter

COMPANY: Liberty JV

LAND USE CONTROLS:

Ensure that land use remains industrial, which includes a prohibition on development and use of this property for residential housing, elementary and secondary schools, child-care facilities, and playgrounds.

No use of groundwater from, or downgradient of, the area except for monitoring and remediation, except as approved by U.S. EPA and Ecology.

No downgradient well drilling except for monitoring wells and/or remediation system wells authorized by U.S. EPA and Ecology in approved plans.

Protect existing monitoring wells.

Ensure that all disturbed or excavated soils at or from the site are properly categorized and disposed of, and that workers are protected during any such disturbance or excavation.

INSPECTION CHECKLIST

HAS SITE OR ADJACENT LAND USE CHANGED SINCE LAST INSPECTION?

☐ YES ☒ NO

INSPECTION PERFORMED? (CHECK ALL THAT APPLY)

☒ SITE WALK ☐ INTERVIEW W/
☐ SECURITY CHECK ☐ OTHER

FINDINGS: None

IS THERE VISUAL EVIDENCE OF UNAUTHORIZED ON-SITE OR
DOWNGRADE WELL INSTALLATION OR GROUNDWATER USE?

☐ YES ☒ NO

INSPECTION PERFORMED? (CHECK ALL THAT APPLY)

☒ SITE WALK ☐ INTERVIEW W/
☐ SECURITY CHECK ☐ OTHER
☒ WELL INSPECTIONS
☐ SEE WELL INSPECTION LOGS

FINDINGS: None

HAVE ANY WELL CONSTRUCTION APPLICATIONS BEEN SUBMITTED TO OR
APPROVED BY ISLAND YES NO COUNTY IN AREAS DOWNGRADE OF THE
SITE? (ISLAND COUNTY CONTACT REQUIRED)

☐ YES ☐ NO

INSPECTION PERFORMED? (CHECK ALL THAT APPLY)

☐ SITE WALK ☐ INTERVIEW W/
☐ SECURITY CHECK ☐ OTHER
☐ WELL INSPECTIONS
☐ SEE WELL INSPECTION LOGS

FINDINGS: Island County Dept. of Public Health
& Washington Ecology Well Search.

ARE ALL MONITORING WELLS IN GOOD CONDITION AND ACCESSIBLE?
(REFER TO COMPLETED MONITORING WELL INSPECTION CHECKLISTS OR
ANNUAL ON-SITE INSPECTIONS)

☒ YES ☐ NO

INSPECTION PERFORMED? (CHECK ALL THAT APPLY)

☒ SITE WALK ☐ INTERVIEW W/
☐ SECURITY CHECK ☐ OTHER
☒ WELL INSPECTIONS
☐ SEE WELL INSPECTION LOGS

FINDINGS: New locks installed on wells MW-109, MW-114
& MW113 (491)

No locks could be installed on the well cap or flush mount cap of MW-114 (491) & MW113 (171)

IS THERE VISUAL OR ADMINISTRATIVE EVIDENCE OF EXCAVATION OR SOIL
DISTURBANCE? IF SO, DETERMINE IF SITE APPROVAL PROCESS HAS BEEN
FOLLOWED.

☐ YES ☒ NO

INSPECTION PERFORMED? (CHECK ALL THAT APPLY)

☒ SITE WALK ☐ INTERVIEW W/
☐ SECURITY CHECK ☐ OTHER

FINDINGS:

HAS ACCESS CONTROL BEEN MAINTAINED (REFER TO SECURITY INCIDENT
REPORTS)?

☒ YES ☐ NO

IS SIGNAGE INTACT AND READABLE?

☒ YES ☐ NO

INSPECTION PERFORMED (CHECK ALL THAT APPLY)

☒ SITE WALK ☐ INTERVIEW W/
☐ SECURITY CHECK ☐ OTHER

FINDINGS: Some signage repair is in need of repair.
Site is in generally good condition in accordance w/ WLs

I CERTIFY THAT THE CONDITIONS OF THE AREA ON THE INSPECTION DATE(S) WERE AS REPORTED ABOVE.

INSPECTOR SIGNATURE: [Signature]

DATE: 10/13/21



NAS Whidbey Island
Oak Harbor, WA
Site 45, TCE Tank

LAND USE CONTROLS (LUCs) INSPECTION CHECKLIST

DATE(S) (MM/DD/YY): 10/13/2021

INSPECTOR(S): Alex McCarthy, Jeff Fettes

COMPANY: Liberty JV.

LAND USE CONTROLS:

Ensure that land use remains commercial and/or industrial, which includes a prohibition on development and use of this property for residential housing, elementary and secondary schools, child-care facilities, and playgrounds.

INSPECTION CHECKLIST

HAS SITE OR ADJACENT LAND USE CHANGED SINCE LAST INSPECTION?

☒ YES ☐ NO
☒ SITE WALK ☐ INTERVIEW W/
☐ SECURITY CHECK ☐ OTHER

FINDINGS: None

HAS ACCESS CONTROL BEEN MAINTAINED (REFER TO SECURITY INCIDENT REPORTS)?

☒ YES ☐ NO ☐ NA
☐ YES ☐ NO ☒ NA
☒ SITE WALK ☐ INTERVIEW W/
☐ SECURITY CHECK ☐ OTHER

IS SIGNAGE INTACT AND READABLE?

INSPECTION PERFORMED (CHECK ALL THAT APPLY)

FINDINGS: Site is secured within NASWI Seaplane Base - adjacent to Guard Station
No CERCLA signage present

ADDITIONAL COMMENTS:

Site is in generally good condition, in accordance w/ LUCs.

I CERTIFY THAT THE CONDITIONS OF THE AREA ON THE INSPECTION DATES(S) WERE AS REPORTED ABOVE.

INSPECTOR SIGNATURE:

[Signature]

DATE:

10/13/21

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Appendix B: Photograph Log

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Site: OU 1 Area 5

A1: Gate and signage at road access on west side

Date: 10/14/2021



Site: OU 1 Area 5

A2: Site overview from northwest corner facing south-southeast

Date: 10/14/2021



Site: OU 1 Area 5

A3: Site overview from western boundary facing east

Date: 10/14/2021



Site: OU 1 Area 5

A4: Site overview from southwest corner facing northeast

Date: 10/14/2021



Site: OU 1 Area 5

A5: Site overview from southeast corner facing northwest

Date: 10/14/2021



Site: OU 1 Area 5

A6: Southeast corner - stockpiles remain undisturbed

Date: 10/14/2021



Site: OU 1 Area 5

A7: Site overview from northeast corner facing southwest

Date: 10/14/2021



Site: OU 1 Area 5

A8: Signage on road north of site

Date: 10/14/2021



Site: OU 1 Area 6

B1: 6-S-7

Date: 10/17/2021



Site: OU 1 Area 6

B2: Northwest corner
facing south along
western boundary

Date: 10/17/2021



Site: OU 1 Area 6

B3: 6-S-30

Date: 10/17/2021



Site: OU 1 Area 6

B4: Downed tree
resulting in
compromised fence
along western boundary
- in vicinity of 6-S-30

Date: 10/17/2021



Site: OU 1 Area 6

B5: 6-S-31

Date: 10/17/2021



Site: OU 1 Area 6

B6: MW-7

Date: 10/17/2021



Site: OU 1 Area 6

B7: Western boundary
looking south from MW-
7

Date: 10/17/2021



Site: OU 1 Area 6

B8: PW-3

Date: 10/17/2021



Site: OU 1 Area 6

B9: PW-3

Date: 10/17/2021



Site: OU 1 Area 6

B10: 6-S-6

Date: 10/17/2021



Site: OU 1 Area 6

B11: Compromised
fencing along western
boundary adjacent to
storage facility

Date: 10/17/2021



Site: OU 1 Area 6

B12: 6-S-25

Date: 10/17/2021



Site: OU 1 Area 6

B13: Southwest corner
facing north

Date: 10/17/2021



Site: OU 1 Area 6

B14: Southwest corner
facing east

Date: 10/17/2021



Site: OU 1 Area 6

B15: PW-5

Date: 10/17/2021



Site: OU 1 Area 6

B16: PW-5

Date: 10/17/2021



Site: OU 1 Area 6

B17: PW-6

Date: 10/17/2021



Site: OU 1 Area 6

B18: PW-6

Date: 10/17/2021



Site: OU 1 Area 6

B19: PW-7

Date: 10/17/2021



Site: OU 1 Area 6

B20: PW-7

Date: 10/17/2021



Site: OU 1 Area 6

B21: Site overview from southwest landfill cap corner facing north

Date: 10/17/2021



Site: OU 1 Area 6

B22: Site overview from southwest landfill cap corner facing northeast

Date: 10/17/2021



Site: OU 1 Area 6

B23: Site overview from southwest landfill cap corner facing east

Date: 10/17/2021



Site: OU 1 Area 6

B24: PW-2

Date: 10/17/2021



Site: OU 1 Area 6

B25: PW-2

Date: 10/17/2021



Site: OU 1 Area 6

B26: 6-S-27

Date: 10/17/2021



Site: OU 1 Area 6

B27: MW-5

Date: 10/17/2021



Site: OU 1 Area 6

B28: PW-4

Date: 10/17/2021



Site: OU 1 Area 6

B29: PW-4

Date: 10/17/2021



Site: OU 1 Area 6

B30: Southwest corner
at southern boundary
facing north

Date: 10/17/2021



Site: OU 1 Area 6

B31: Southwest corner
at southern boundary
facing east

Date: 10/17/2021



Site: OU 1 Area 6

B32: 6-S-29

Date: 10/17/2021



Site: OU 1 Area 6

B33: 6-S-19

Date: 10/17/2021



Site: OU 1 Area 6

B34: 6-S-3

Date: 10/17/2021



Site: OU 1 Area 6

B35: Compromised fenceline at southeast corner

Date: 10/17/2021



Site: OU 1 Area 6

B36: Compromised fenceline on southeast corner facing southern boundary

Date: 10/17/2021



Site: OU 1 Area 6

B37: Eastern boundary
from southeast corner

Date: 10/17/2021



Site: OU 1 Area 6

B38: Eastern boundary
from southeast corner
with new gate

Date: 10/17/2021



Site: OU 1 Area 6

B39: Barrier and sign
along southern
boundary

Date: 10/17/2021



Site: OU 1 Area 6

B40: PW-9

Date: 10/17/2021



Site: OU 1 Area 6

B41: PW-9 and Drum stored within PW-9 fencing and secondary containment

Date: 10/17/2021



Site: OU 1 Area 6

B42: MW-9

Date: 10/17/2021



Site: OU 1 Area 6

B43: PW-8

Date: 10/17/2021



Site: OU 1 Area 6

B44: PW-8

Date: 10/17/2021



Site: OU 1 Area 6

B45: Site overview from
PW-8 facing northwest

Date: 10/17/2021



Site: OU 1 Area 6

B46: Site overview from
PW-8 facing north

Date: 10/17/2021



Site: OU 1 Area 6

B47: Site overview from
PW-8 facing east

Date: 10/17/2021



Site: OU 1 Area 6

B48: Overview of
landfill cap from west
landfill cap boundary
facing north

Date: 10/17/2021



Site: OU 1 Area 6

B49: Overview of landfill cap from west landfill cap boundary facing east

Date: 10/17/2021



Site: OU 1 Area 6

B50: Overview of landfill cap from west landfill cap boundary facing southeast

Date: 10/17/2021



Site: OU 1 Area 6

B51: Site overview from northwest landfill cap corner facing northeast

Date: 10/17/2021



Site: OU 1 Area 6

B52: Site overview from northwest landfill cap corner facing east

Date: 10/17/2021



Site: OU 1 Area 6

B53: N6-38

Date: 10/17/2021



Site: OU 1 Area 6

B54: 6-S-10

Date: 10/17/2021



Site: OU 1 Area 6

B55: 6-S-26

Date: 10/17/2021



Site: OU 1 Area 6

B56: N6-37

Date: 10/17/2021



Site: OU 1 Area 6

B57: PW-1

Date: 10/17/2021



Site: OU 1 Area 6

B58: PW-1

Date: 10/17/2021



Site: OU 1 Area 6

B59: 6-S-14

Date: 10/17/2021



Site: OU 1 Area 6

B60: 6-S-15

Date: 10/17/2021



Site: OU 1 Area 6

B61: Landfill cap
overview from 6-S-15
facing southeast

Date: 10/17/2021



Site: OU 1 Area 6

B62: MW-10

Date: 10/17/2021



Site: OU 1 Area 6

B63: PW-10

Date: 10/17/2021



Site: OU 1 Area 6

B64: 6-S-17

Date: 10/17/2021



Site: OU 1 Area 6

B65: Landfill cap
overview from
southeast landfill cap
corner facing northwest

Date: 10/17/2021



Site: OU 1 Area 6

B66: New treatment
system building

Date: 10/17/2021



Site: OU 1 Area 6

B67: 6-S-16

Date: 10/17/2021



Site: OU 1 Area 6

B68: 6-S-9

Date: 10/17/2021



Site: OU 1 Area 6

B69: 6-S-9

Date: 10/17/2021



Site: OU 1 Area 6

B70: Landfill cap
overview from northeast
landfill cap corner
facing southwest

Date: 10/17/2021



Site: OU 1 Area 6

B71: 6-S-1

Date: 10/17/2021



Site: OU 1 Area 6

B72: Site overview from
6-S-1 facing northwest

Date: 10/17/2021



Site: OU 1 Area 6

B73: MW-13

Date: 10/17/2021



Site: OU 1 Area 6

B74: Northeast area
overview from recycling
area

Date: 10/17/2021



Site: OU 1 Area 6

B75: Recycling containers

Date: 10/17/2021



Site: OU 1 Area 6

B76: Compost site

Date: 10/17/2021



Site: OU 1 Area 6

B77: 6-DW-38

Date: 10/17/2021



Site: OU 1 Area 6

B78: 6-S-24

Date: 10/17/2021



Site: OU 1 Area 6

B79: 6-S-43

Date: 10/17/2021



Site: OU 1 Area 6

B80: 6-S-42

Date: 10/17/2021



Site: OU 1 Area 6

B81: 6-S-40

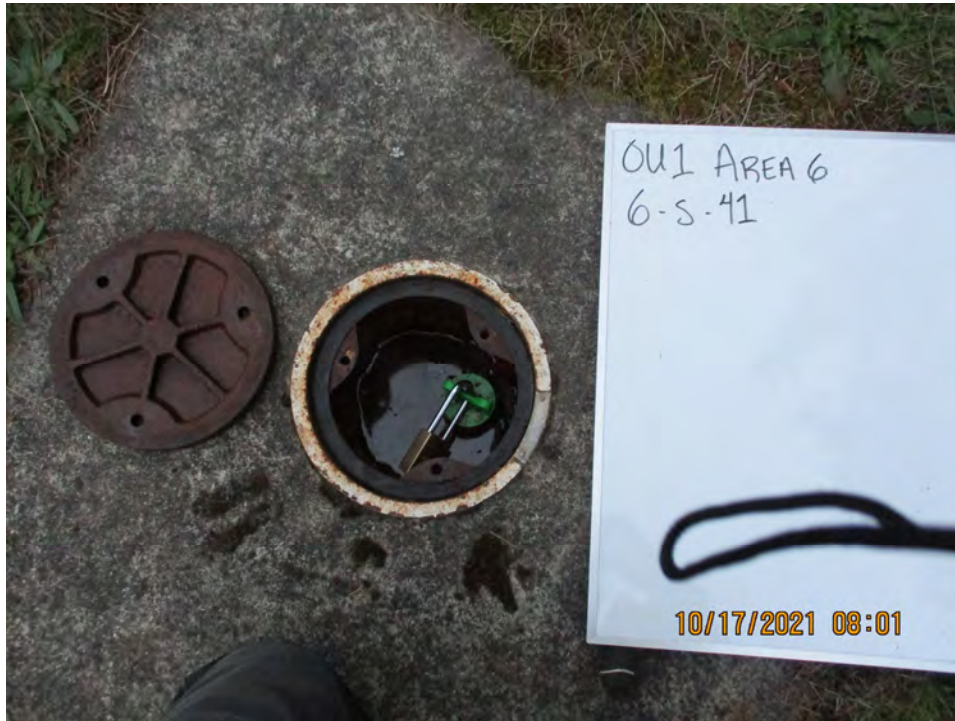
Date: 10/17/2021



Site: OU 1 Area 6

B82: Signage on
eastern boundary

Date: 10/17/2021



Site: OU 1 Area 6

B83: 6-S-41

Date: 10/17/2021



Site: OU 1 Area 6

B84: 6-S-2

Date: 10/17/2021



Site: OU 1 Area 6

B85: 6-S-2 from outside
of perimeter gate

Date: 10/17/2021



Site: OU 1 Area 6

B86: Eastern boundary
facing south along
HWY 20 from 6-S-2

Date: 10/17/2021



Site: OU 1 Area 6

B87: Eastern boundary facing north along HWY 20 from 6-S-2

Date: 10/17/2021



Site: OU 1 Area 6

B88: Compromised fence in northeast corner

Date: 10/17/2021



Site: OU 1 Area 6

B89: Northeast corner
facing south

Date: 10/17/2021



Site: OU 1 Area 6

B90: Northeast corner
facing west

Date: 10/17/2021



Site: OU 1 Area 6

B91: Signage and gate

Date: 10/17/2021



Site: OU 2 Area 2

C1: Site overview and southern boundary from N2-9 facing northwest

Date: 10/15/2021



Site: OU 2 Area 2

C2: N2-9

Date: 10/15/2021



Site: OU 2 Area 2

C3: Site overview from southeast corner facing northwest

Date: 10/15/2021



Site: OU 2 Area 2

C4: N2-8

Date: 10/15/2021



Site: OU 2 Area 2

C5: Site overview from east boundary facing west

Date: 10/15/2021



Site: OU 2 Area 2

C6: Central site overview from road facing southeast

Date: 10/15/2021



Site: OU 2 Area 2

C7: Southwest corner
facing northeast

Date: 10/15/2021



Site: OU 2 Area 2

C8: Southwest corner
along northern
boundary

Date: 10/15/2021



Site: OU 2 Area 2

C9: N2-3

Date: 10/15/2021



Site: OU 2 Area 2

C10: N2-6C

Date: 10/15/2021



Site: OU 2 Area 2

C11: Northeast corner
facing southwest

Date: 10/15/2021



Site: OU 2 Area 2

C12: Signage at
northeast corner

Date: 10/15/2021



Site: OU 2 Area 3

D1: Site overview and signage from northeast corner facing southwest

Date: 10/14/2021



Site: OU 2 Area 3

D2: Site overview from northern boundary facing south

Date: 10/14/2021



Site: OU 2 Area 3

D3: Site overview from northwest corner facing southeast

Date: 10/14/2021



Site: OU 2 Area 3

D4: Signage midway down eastern boundary, facing west

Date: 10/14/2021



Site: OU 2 Area 3

D5: Eastern boundary
facing southeast

Date: 10/14/2021



Site: OU 2 Area 3

D6: Southwest corner
facing east

Date: 10/14/2021



Site: OU 2 Area 3

D7: Southeast corner
facing north

Date: 10/14/2021



Site: OU 2 Area 3

D8: N3-12

Date: 10/14/2021



Site: OU 2 Area 3

D9: 3-MW-2

Date: 10/14/2021



Site: OU 2 Area 3

D10: Minor erosion
exposing some shallow
landfill debris along the
eastern boundary

Date: 10/14/2021



Site: OU 2 Area 4

E1: Site overview from southeast corner with old and new CERCLA signage

Date: 10/12/2021



Site: OU 2 Area 4

E2: 4-MW-3

Date: 10/12/2021



Site: OU 2 Area 4

E3: Site overview from
east corner facing west

Date: 10/12/2021



Site: OU 2 Area 4

E4: Site overview from
west corner facing east

Date: 10/12/2021



Site: OU 2 Area 4

E5: 4-MW-1

Date: 10/12/2021



Site: OU 2 Area 4

E6: Southeast
boundary overview from
east corner

Date: 10/12/2021



Site: OU 2 Area 29

F1: 29-MW-4

Date: 10/15/2021



Site: OU 2 Area 29

F2: Main access gate

Date: 10/15/2021



Site: OU 2 Area 29

F3: N29-20

Date: 10/15/2021



Site: OU 2 Area 29

F4: Site overview from
east boundary facing
west

Date: 10/15/2021



Site: OU 2 Area 29

F5: Site overview from east boundary facing south

Date: 10/15/2021



Site: OU 2 Area 29

F6: MW-628

Date: 10/15/2021



Site: OU 2 Area 29

F7: Site overview from southeast corner looking north

Date: 10/15/2021



Site: OU 2 Area 29

F8: Obscured signage along southern boundary

Date: 10/15/2021



Site: OU 2 Area 29

F9: Site overview from southwest corner facing north

Date: 10/15/2021



Site: OU 2 Area 29

F10: N29-22D

Date: 10/15/2021



Site: OU 2 Area 29

F11: Site overview from northwest corner facing south

Date: 10/15/2021



Site: OU 2 Area 29

F12: MW-629

Date: 10/15/2021



Site: OU 2 Area 29

F13: Site overview from western boundary facing east

Date: 10/15/2021



Site: OU 2 Area 29

F14: Signage along southern boundary

Date: 10/15/2021



Site: OU 3 Area 16

G1: 16b facing south

Date: 10/14/2021



Site: OU 3 Area 16

G2: 16b facing north

Date: 10/14/2021



Site: OU 3 Area 16
G3: 16b facing west
(down west arm)
Date: 10/14/2021



Site: OU 3 Area 16
G4: 16b facing east
(down east arm)
Date: 10/14/2021



Site: OU 3 Area 16

G5: 16b dammed weir

Date: 10/14/2021



Site: OU 3 Area 16

G6: 16b weir/filter

Date: 10/14/2021



Site: OU 3 Area 16

G7: 16b facing
southern end from
middle of southern arm

Date: 10/14/2021



Site: OU 3 Area 16

G8: 16b facing north
from middle of southern
arm

Date: 10/14/2021



Site: OU 3 Area 16

G9: 16b facing north
from southern end

Date: 10/14/2021



Site: OU 3 Area 16

G10: 16c facing north

Date: 10/14/2021



Site: OU 3 Area 16

G11: 16c facing south

Date: 10/14/2021



Site: OU 3 Area 16

G12: 16c ditch entering
from east

Date: 10/14/2021



Site: OU 3 Area 16

G13: 16c facing south
at culvert

Date: 10/14/2021



Site: OU 3 Area 16

G14: 16c facing north
at culvert

Date: 10/14/2021



Site: OU 3 Area 16

G15: 16c at south to east bend facing south

Date: 10/14/2021



Site: OU 3 Area 16

G16: 16c at south to east bend facing east

Date: 10/14/2021



Site: OU 3 Area 16

G17: 16c main ditch
facing east from outfall

Date: 10/14/2021



Site: OU 3 Area 16

G18: 16c facing north
at intersection

Date: 10/14/2021



Site: OU 3 Area 16

G19: 16c facing west
towards outfall

Date: 10/14/2021



Site: OU 3 Area 16

G20: 16c main ditch
facing east

Date: 10/14/2021



Site: OU 3 Area 16

G21: 16c main ditch
facing west

Date: 10/14/2021



Site: OU 3 Area 16

G22: 16c secondary
stem south of main 16c
stem facing west

Date: 10/14/2021



Site: OU 3 Area 16

G23: 16c secondary stem south of main 16c stem facing east

Date: 10/14/2021



Site: OU 3 Area 16

G24: 16c intersection facing west

Date: 10/14/2021



Site: OU 3 Area 16

G25: 16c intersection
facing east

Date: 10/14/2021



Site: OU 3 Area 16

G26: 16c eastern bend
facing west

Date: 10/14/2021



Site: OU 3 Area 16

G27: 16c eastern bend
facing west

Date: 10/14/2021



Site: OU 3 Area 16

G28: 16c eastern end
culvert

Date: 10/14/2021



Site: OU 3 Area 16

G29: 16c eastern end
facing southwest

Date: 10/14/2021



Site: OU 3 Area 16

G30: 16a eastern end
facing west

Date: 10/14/2021



Site: OU 3 Area 16

G31: 16a middle facing east

Date: 10/14/2021



Site: OU 3 Area 16

G32: 16a middle facing west

Date: 10/14/2021



Site: OU 3 Area 16

G33: 16c northwest
ditch area intersection
facing northwest

Date: 10/14/2021



Site: OU 3 Area 16

G34: 16c northwest
ditch area intersection
facing northeast

Date: 10/14/2021



Site: OU 3 Area 16

G35: 16c northwest ditch area south of taxiway facing south

Date: 10/14/2021



Site: OU 3 Area 16

G36: 16c southern most ditch west end

Date: 10/14/2021



Site: OU 3 Area 16

G37: 16c southern
most ditch facing east

Date: 10/14/2021



Site: OU 3 Area 16

G38: 16c southern
ditch, middle, facing
west

Date: 10/14/2021



Site: OU 3 Area 16

G39: 16c southern ditch, middle, facing east

Date: 10/14/2021



Site: OU 3 Area 16

G40: 16c facing north at intersection at eastern end of southern ditch

Date: 10/14/2021



Site: OU 3 Area 16

G41: 16c southeast
area facing southwest

Date: 10/14/2021



Site: OU 3 Area 16

G42: 16c southeast
area facing northwest

Date: 10/14/2021



Site: OU 4 Areas 48/49

H1: Turn around at
north boundary of site

Date: 10/13/2021



Site: OU 4 Areas 48/49

H2: Northern site
overview

Date: 10/13/2021



Site: OU 4 Areas 48/49

H3: Site overview from east boundary facing west

Date: 10/13/2021



Site: OU 4 Areas 48/49

H4: Path along southern boundary

Date: 10/13/2021



Site: OU 4 Areas 48/49

H5: Eastern site
overview from southern
boundary

Date: 10/13/2021



Site: OU 4 Areas 48/49

H6: Potential Erosion
along South Side

Date: 10/13/2021



Site: OU 4 Areas 48/49

H7: Central site
overview

Date: 10/13/2021



Site: OU 4 Areas 48/49

H8: Wood and concrete
debris along shoreline,
south side of site

Date: 10/13/2021



Site: OU 4 Areas 48/49

H9: Concrete debris
along south shoreline

Date: 10/13/2021



Site: OU 4 Areas 48/49

H10: Western site
overview

Date: 10/13/2021



Site: OU 4 Areas 48/49

H11: Central Site
overview

Date: 10/13/2021



Site: OU 4 Areas 48/49

H12: Signage at
southwest corner

Date: 10/13/2021



Site: OU 4 Areas 48/49

H13: Site overview from southwest corner facing northeast

Date: 10/13/2021



Site: OU 4 Areas 48/49

H14: Gravel access road facing southwest corner

Date: 10/13/2021



Site: OU 4 Areas 48/49

H15: Site overview from northwest corner facing east

Date: 10/13/2021



Site: OU 4 Areas 48/49

H16: New CERCLA signage

Date: 10/13/2021



Site: OU 4 Areas 48/49

H17: Dog leash signage, northwest side of site

Date: 10/13/2021



Site: OU 4 Areas 48/49

H18: Former transmission prohibited signage, northwest side of site

Date: 10/13/2021



Site: OU 4 Areas 48/49

H19: Former explosive safety signage, northwest side of site

Date: 10/13/2021



Site: OU 4 Areas 48/49

H20: Access signage, northwest side of site

Date: 10/13/2021



Site: OU 4 Areas 48/49

H21: Site overview from northern boundary facing southwest

Date: 10/13/2021



Site: OU 4 Areas 48/49

H22: Path across site, east side of site

Date: 10/13/2021



Site: OU 5 Area 1

I1: Site overview from southeast corner facing north

Date: 10/12/2021



Site: OU 5 Area 1

I2: Old CERCLA signage

Date: 10/12/2021



Site: OU 5 Area 1

I3: Stormwater BMP silt fence

Date: 10/12/2021



Site: OU 5 Area 1

I4: East boundary rope fence

Date: 10/12/2021



Site: OU 5 Area 1

I5: MW-18

Date: 10/12/2021



Site: OU 5 Area 1

I6: General site
overview from central
area facing north

Date: 10/12/2021



Site: OU 5 Area 1

I7: New CERCLA signage

Date: 10/12/2021



Site: OU 5 Area 1

I8: Stormwater BMPs, silt fence and straw wattles

Date: 10/12/2021



Site: OU 5 Area 1

I9: MW-103

Date: 10/12/2021



Site: OU 5 Area 1

I10: Pathway to beach

Date: 10/12/2021



Site: OU 5 Area 1

I11: Seawall overview

Date: 10/12/2021



Site: OU 5 Area 1

I12: General beachfront
overview

Date: 10/12/2021



Site: OU 5 Area 1

I13: Engineered marine mattress beneath armor stone

Date: 10/12/2021



Site: OU 5 Area 1

I14: TP-101

Date: 10/12/2021



Site: OU 5 Area 31

J1: Site overview from northwest corner facing southeast

Date: 10/14/2021



Site: OU 5 Area 31

J2: Site overview from southwest corner facing northeast

Date: 10/14/2021



Site: OU 5 Area 31

J3: Site overview from northeast corner facing southwest

Date: 10/14/2021



Site: OU 5 Area 31

J4: Site overview from southeast corner facing northwest

Date: 10/14/2021



Site: OU 5 Area 31

J5: OWS-1

Date: 10/14/2021



Site: OU 5 Area 31

J6: MW-31-9A

Date: 10/14/2021



Site: OU 5 Area 31

J7: Non-operational
AS/SVE System

Date: 10/14/2021



Site: OU 5 Area 31

J8: General site
overview from western
boundary

Date: 10/14/2021



Site: OU 5 Area 52

K1: Building demolition
post construction

Date: 10/12/2021



Site: OU 5 Area 52

K2: Old CERCLA
signage

Date: 10/12/2021



Site: OU 5 Area 52
K3: Former above
ground storage tank
Date: 10/12/2021



Site: OU 5 Area 52
K4: Regraded area
near staircase
Date: 10/12/2021



Site: OU 5 Area 52

K5: General site
overview from
southwest corner

Date: 10/12/2021



Site: OU 5 Area 52

K6: Southwest beach
overview

Date: 10/12/2021



Site: OU 5 Area 52

K7: Warning signage

Date: 10/12/2021



Site: OU 5 Area 52

K8: General beachfront

Date: 10/12/2021



Site: OU 5 Area 52

K9: Site overview from northwest corner facing east

Date: 10/12/2021



Site: OU 5 Area 52

K10: Engineered marine mattress beneath armor stone

Date: 10/12/2021



Site: OU 5 Area 52

K11: Seawall overview

Date: 10/12/2021



Site: OU 5 Area 52

K12: Site overview from
northwest corner facing
east

Date: 10/12/2021



Site: OU 5 Area 52

K13: Repaired flush
mount cover of
observed monitoring
well

Date: 10/12/2021



Site: Site 22, Hangar 5

L1: H5-MW-2

Date: 10/14/2021



Site: Site 22, Hangar 5

L2: H5-MW-3

Date: 10/14/2021



Site: Site 22, Hangar 5

L3: H5-MW-1

Date: 10/14/2021



Site: Site EO354,
Former Machine Gun
Ranges B & C

M1: Site overview from
southern boundary
facing north

Date: 10/14/2021



Site: Site EO354,
Former Machine Gun
Ranges B & C

M2: Site overview from
southeast corner facing
northwest

Date: 10/14/2021



Site: Site EO354,
Former Machine Gun
Ranges B & C

M3: Fenceline along
southern boundary

Date: 10/14/2021



Site: Site EO354,
Former Machine Gun
Ranges B & C

M4: Site overview from
northeast corner facing
southwest

Date: 10/14/2021



Site: Site EO354,
Former Machine Gun
Ranges B & C

M5: Site overview from
eastern boundary
facing southwest

Date: 10/14/2021



Site: Site EO354,
Former Machine Gun
Ranges B & C

M6: Site overview from
eastern boundary
facing northwest

Date: 10/14/2021



Site: Site EO354,
Former Machine Gun
Ranges B & C

M7: Site overview
facing south along
eastern boundary

Date: 10/14/2021



Site: Site EO354,
Former Machine Gun
Ranges B & C

M8: Site overview
facing west from
eastern boundary

Date: 10/14/2021



Site: Site EO354,
Former Machine Gun
Ranges B & C

M9: Gate at northeast
corner

Date: 10/14/2021



Site: Site EO354,
Former Machine Gun
Ranges B & C

M10: Signage at beach
access north of
northwest corner

Date: 10/14/2021



Site: Site EO354,
Former Machine Gun
Ranges B & C

M11: Signage at beach
access north of
northwest corner

Date: 10/14/2021



Site: Site EO354,
Former Machine Gun
Ranges B & C

M12: Northwest corner
along western boundary

Date: 10/14/2021



Site: Site EO354,
Former Machine Gun
Ranges B & C

M13: Northwest corner
along western boundary
- beach overview

Date: 10/14/2021



Site: Site EO354,
Former Machine Gun
Ranges B & C

M14: Site overview
facing east from
northwest corner

Date: 10/14/2021



Site: Site EO354,
Former Machine Gun
Ranges B & C

M15: Site overview
facing southeast from
northwest corner

Date: 10/14/2021



Site: Site EO354,
Former Machine Gun
Ranges B & C

M16: Site overview
facing east from middle
of western boundary

Date: 10/14/2021



Site: Site EO354,
Former Machine Gun
Ranges B & C

M17: Site overview
from southwest corner
facing northeast

Date: 10/14/2021



Site: Site EO354,
Former Machine Gun
Ranges B & C

M18: Site overview
from southwest corner
facing east

Date: 10/14/2021



Site: Site EO354,
Former Mobile Turret
Tower Range

N1: Southern boundary,
middle, facing north

Date: 10/15/2021



Site: Site EO354,
Former Mobile Turret
Tower Range

N2: Southern boundary,
middle, facing east

Date: 10/15/2021



Site: Site EO354,
Former Mobile Turret
Tower Range

N3: Site overview from
central area facing
northeast

Date: 10/15/2021



Site: Site EO354,
Former Mobile Turret
Tower Range

N4: Site overview from
central area facing
southeast

Date: 10/15/2021



Site: Site EO354,
Former Mobile Turret
Tower Range

N5: MW-613

Date: 10/15/2021



Site: Site EO354,
Former Mobile Turret
Tower Range

N6: Site overview from
northeast corner facing
west

Date: 10/15/2021



Site: Site EO354,
Former Mobile Turret
Tower Range

N7: Site overview from
eastern boundary
facing southwest

Date: 10/15/2021



Site: Site EO354,
Former Mobile Turret
Tower Range

N8: Entrance gate
along southern
boundary

Date: 10/15/2021



Site: Site EO354,
Former Mobile Turret
Tower Range

N9: Stored drums and
totes in secondary
containment

Date: 10/15/2021



Site: Site EO354,
Former Mobile Turret
Tower Range

N10: NonHaz label on
stored drum

Date: 10/15/2021



Site: Site EO354,
Former Mobile Turret
Tower Range

N11: Site overview from
southeast corner facing
northwest

Date: 10/15/2021



Site: Site EO354,
Former Mobile Turret
Tower Range

N12: Signage in
southeast corner

Date: 10/15/2021



Site: Site EO354,
Former Mobile Turret
Tower Range

N13: Site overview and
signage from northern
corner/gate

Date: 10/15/2021



Site: Site EO354,
Former Mobile Turret
Tower Range

N14: End of fenceline in
northwest corner

Date: 10/15/2021



Site: Site EO354,
Former Mobile Turret
Tower Range

N15: Northern fenceline
from northwest corner
facing east

Date: 10/15/2021



Site: Site EO354,
Former Mobile Turret
Tower Range

N16: North fenceline
facing east

Date: 10/15/2021



Site: Site EO354,
Former Mobile Turret
Tower Range

N17: North fenceline
facing west

Date: 10/15/2021



Site: MRP Site EO351
Former Lake Hancock
Target Range

O1: Gate and signage
on northeast side of site

Date: 10/13/2021



Site: MRP Site EO351
Former Lake Hancock
Target Range

O2: Trail to former
encampment

Date: 10/13/2021



Site: MRP Site EO351
Former Lake Hancock
Target Range

O3: Former
encampment

Date: 10/13/2021



Site: MRP Site EO351
Former Lake Hancock
Target Range

O4: Trail and fencing
repair

Date: 10/13/2021



Site: MRP Site EO351
Former Lake Hancock
Target Range

O5: Northeast end of
fence line and
embankment along
State Route 525

Date: 10/13/2021



Site: MRP Site EO351
Former Lake Hancock
Target Range

O6: Fenceline along
northern boundary from
northeast corner facing
west

Date: 10/13/2021



Site: MRP Site EO351
Former Lake Hancock
Target Range

O7: New signage

Date: 10/13/2021



Site: MRP Site EO351
Former Lake Hancock
Target Range

O8: Compromised
fencing along northern
boundary

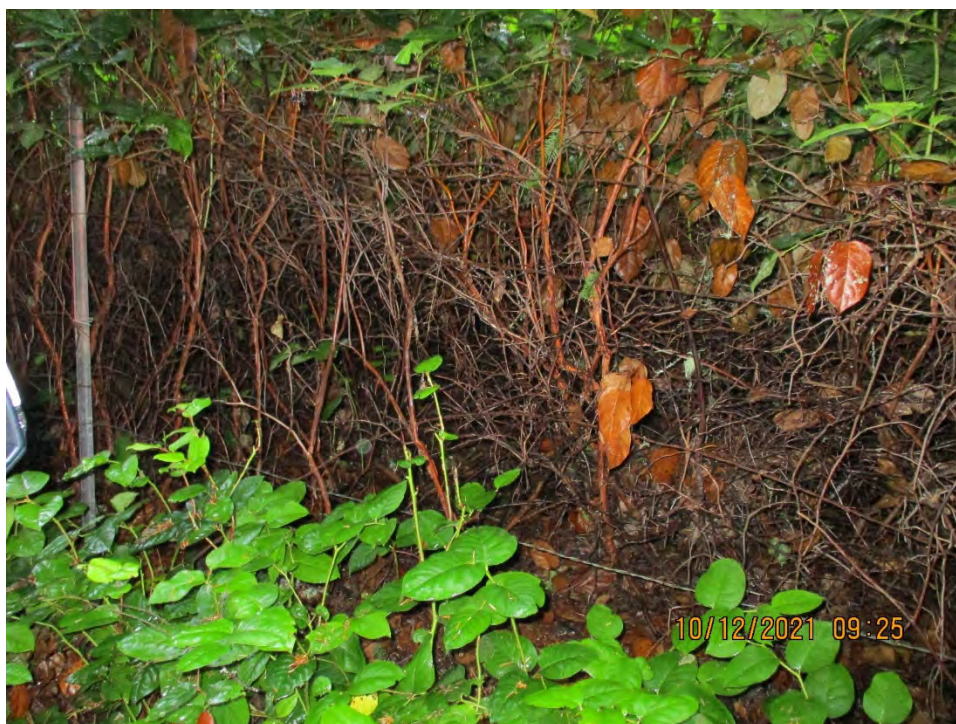
Date: 10/13/2021



Site: MRP Site EO351
Former Lake Hancock
Target Range

O9: New fence along
northern boundary

Date: 10/13/2021



Site: MRP Site EO351
Former Lake Hancock
Target Range

O10: Compromised
fencing along northern
boundary

Date: 10/13/2021



Site: MRP Site EO351
Former Lake Hancock
Target Range

O11: Repaired point of
trespassing

Date: 10/13/2021



Site: MRP Site EO351
Former Lake Hancock
Target Range

O12: Northern site
boundary

Date: 10/13/2021



Site: MRP Site EO351
Former Lake Hancock
Target Range

O13: Trailhead at
northwest corner

Date: 10/13/2021



Site: MRP Site EO351
Former Lake Hancock
Target Range

O14: Northwest end of
fence line

Date: 10/13/2021



Site: MRP Site EO351
Former Lake Hancock
Target Range

O15: Western boundary
site overview

Date: 10/13/2021



Site: MRP Site EO351
Former Lake Hancock
Target Range

O16: Warning signage

Date: 10/13/2021



Site: MRP Site EO351
Former Lake Hancock
Target Range

O17: General
beachfront overview

Date: 10/13/2021



Site: MRP Site EO351
Former Lake Hancock
Target Range

O18: Site overview
from northwest
shoreline facing
southeast

Date: 10/13/2021



Site: MRP Site EO351
Former Lake Hancock
Target Range

O19: New signage

Date: 10/13/2021



Site: MRP Site EO351
Former Lake Hancock
Target Range

O20: Inlet to Lake
Hancock

Date: 10/13/2021



Site: MRP Site EO351
Former Lake Hancock
Target Range

O21: Wood structure at
Lake Hancock, west
side

Date: 10/13/2021



Site: MRP Site EO351
Former Lake Hancock
Target Range

O22: Site overview
from northwest
shoreline facing
southeast

Date: 10/13/2021



Site: MRP Site EO351
Former Lake Hancock
Target Range

O23: Warning signage
along southern
boundary

Date: 10/13/2021



Site: MRP Site EO351
Former Lake Hancock
Target Range

O24: Southeast corner
of site

Date: 10/13/2021



Site: MRP Site EO351
Former Lake Hancock
Target Range

O25: Fenceline along
southeastern boundary

Date: 10/13/2021



Site: MRP Site EO351
Former Lake Hancock
Target Range

O26: Warning signage

Date: 10/13/2021



Site: MRP Site EO351
Former Lake Hancock
Target Range

O27: Repaired point of
trespassing in
southwest corner

Date: 10/13/2021



Site: MRP Site EO351
Former Lake Hancock
Target Range

O28: Repaired fencing
in southwest corner

Date: 10/13/2021



Site: MRP Site EO351
Former Lake Hancock
Target Range

O29: Southwest corner
and end of fenceline

Date: 10/13/2021



Site: MRP Site EO351
Former Lake Hancock
Target Range

O30: Trail to southwest
corner of site

Date: 10/13/2021



Site: MRP Site EO351
Former Lake Hancock
Target Range

O31: Site overview
from southwest corner
facing north

Date: 10/13/2021



Site: MRP Site EO351
Former Lake Hancock
Target Range

O32: Western site
overview

Date: 10/13/2021



Site: MRP Site EO351
Former Lake Hancock
Target Range

O33: Trail near property
boundary along south
end of site

Date: 10/13/2021



Site: MRP Site EO351
Former Lake Hancock
Target Range

O34: New gate and
signage along east side
of site

Date: 10/13/2021



Site: MRP Site EO351
Former Lake Hancock
Target Range

O35: Newly installed
fencing and gate

Date: 10/13/2021



Site: MRP Site EO351
Former Lake Hancock
Target Range

O36: Gate along east
side of site, adjacent to
State Route 525

Date: 10/13/2021



Site: MRP Site EO351
Former Lake Hancock
Target Range

O37: End of access
road along east side of
site, adjacent to State
Route 525

Date: 10/13/2021



Site: Site 36, Former
Fuel Farm 1

P1: MW-343

Date: 10/15/2021



Site: Site 36, Former
Fuel Farm 1

P2: MW-503

Date: 10/15/2021



Site: Site 36, Former
Fuel Farm 1

P3: MW-337

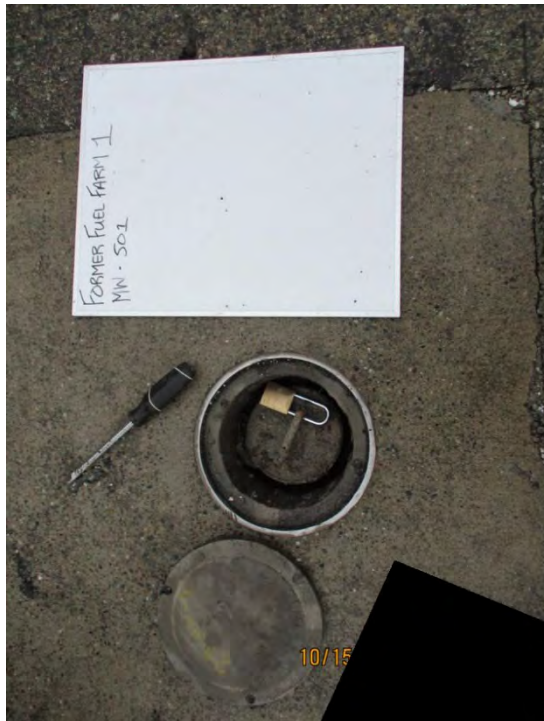
Date: 10/15/2021



Site: Site 36, Former
Fuel Farm 1

P4: MW-502

Date: 10/15/2021



Site: Site 36, Former
Fuel Farm 1

P5: MW-501

Date: 10/15/2021



Site: Site 36, Former
Fuel Farm 1

P6: MW-601

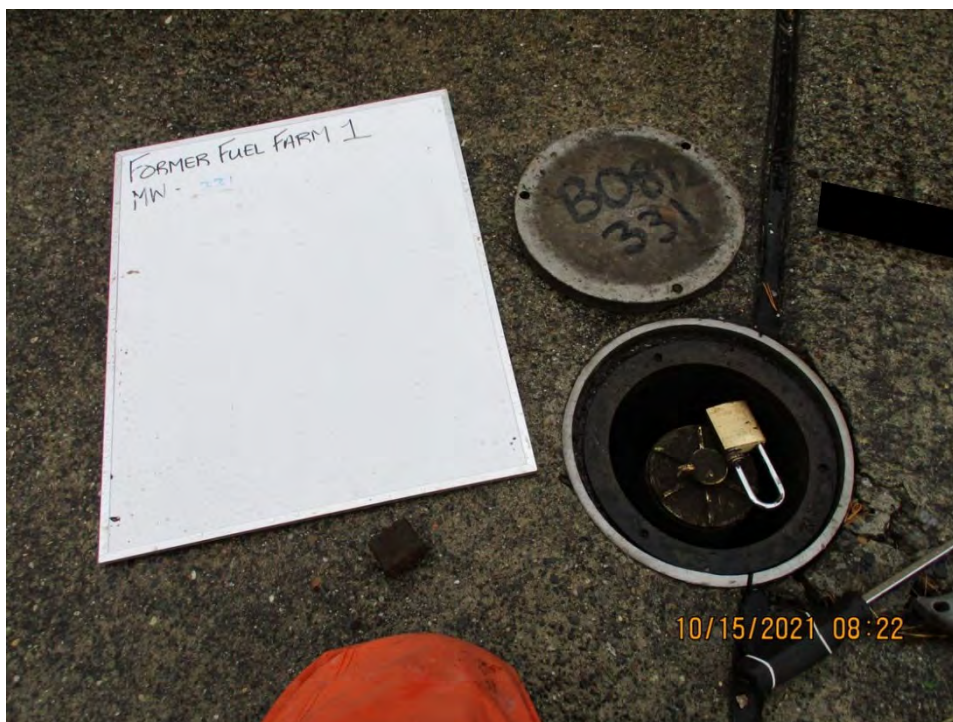
Date: 10/15/2021



Site: Site 36, Former
Fuel Farm 1

P7: MW-602

Date: 10/15/2021



Site: Site 36, Former
Fuel Farm 1

P8: MW-331

Date: 10/15/2021



Site: Site 36, Former
Fuel Farm 1

P9: MW-603

Date: 10/15/2021



Site: Site 36, Former
Fuel Farm 1

P10: MW-604

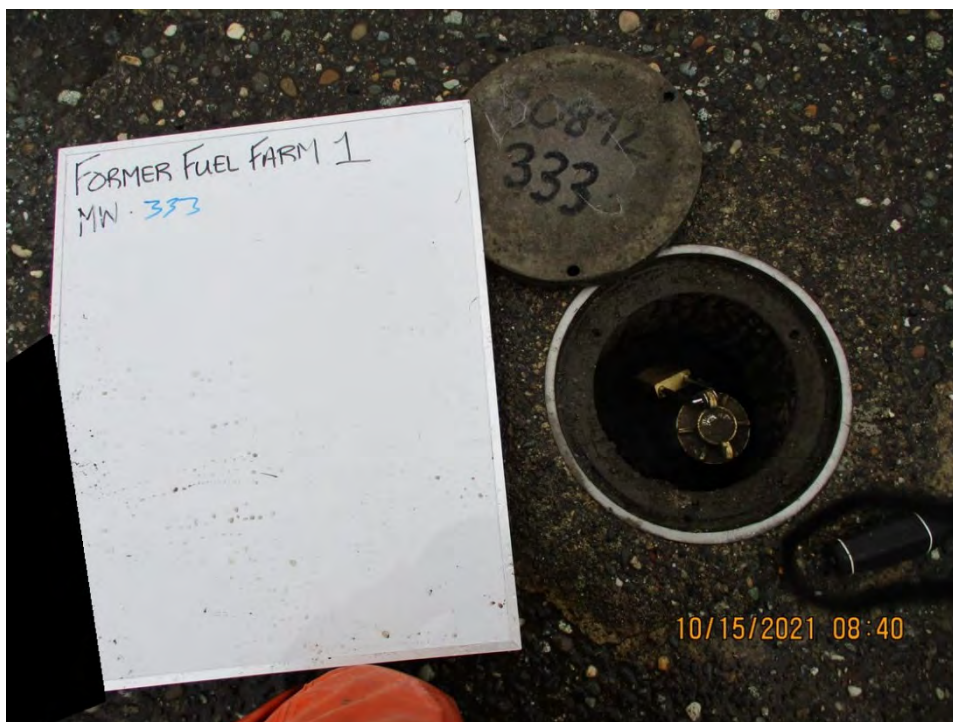
Date: 10/15/2021



Site: Site 36, Former
Fuel Farm 1

P11: MW-344

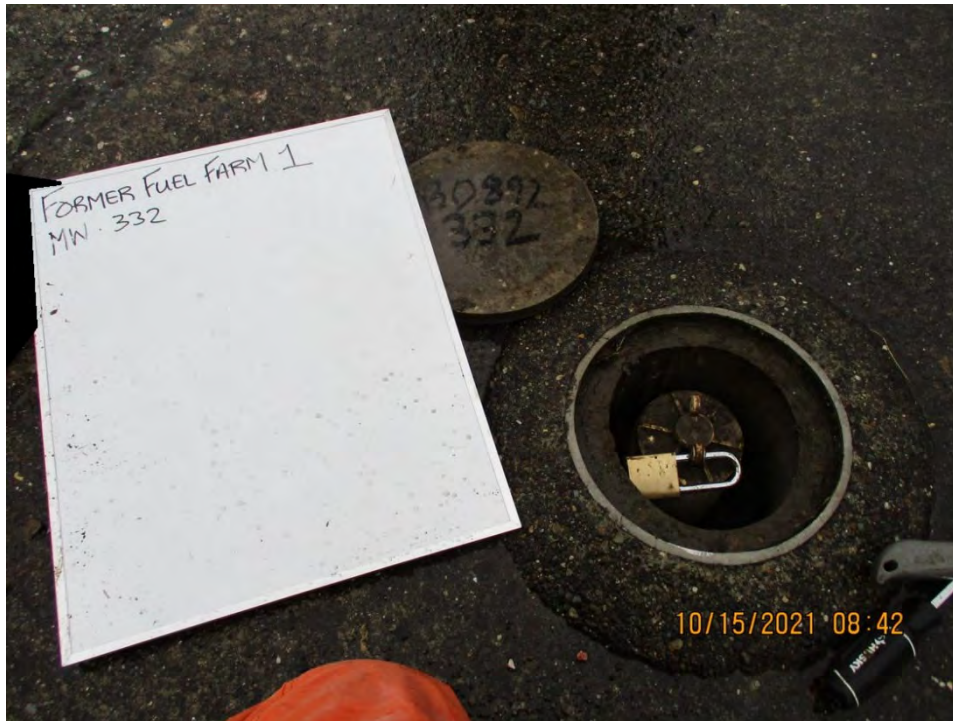
Date: 10/15/2021



Site: Site 36, Former
Fuel Farm 1

P12: MW-333

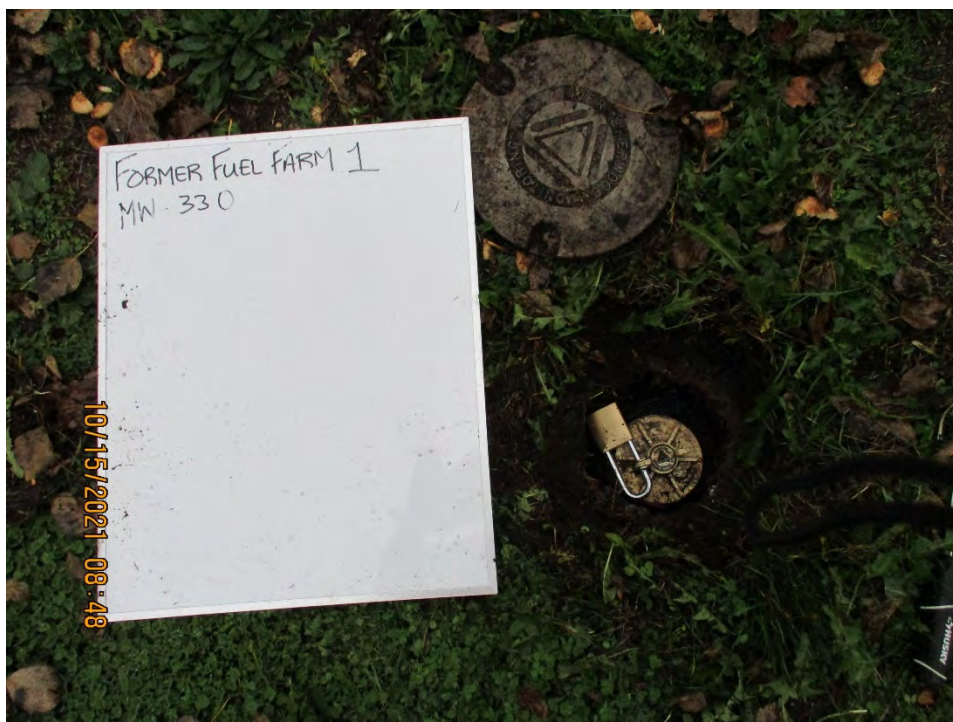
Date: 10/15/2021



Site: Site 36, Former Fuel Farm 1

P13: MW-332

Date: 10/15/2021



Site: Site 36, Former Fuel Farm 1

P14: MW-330

Date: 10/15/2021



Site: Site 36, Former
Fuel Farm 1

P15: MW-339

Date: 10/15/2021



Site: Site 36, Former
Fuel Farm 1

P16: MW-335

Date: 10/15/2021



Site: Site 36, Former Fuel Farm 1

P17: MW-342

Date: 10/15/2021



Site: Site 36, Former Fuel Farm 1

P18: MW-338

Date: 10/15/2021



Site: Site 36, Former Fuel Farm 1

P19: Lower area site overview from west corner facing southeast

Date: 10/15/2021



Site: Site 36, Former Fuel Farm 1

P20: MW-315

Date: 10/15/2021



Site: Site 36, Former Fuel Farm 1

P21: Upper area site overview from middle of northeast boundary facing west

Date: 10/15/2021



Site: Site 36, Former Fuel Farm 1

P22: MW-201

Date: 10/15/2021



Site: Site 36, Former
Fuel Farm 1

P23: MW-317

Date: 10/15/2021



Site: Site 36, Former
Fuel Farm 1

P24: MW-324

Date: 10/15/2021



Site: Site 36, Former
Fuel Farm 1

P25: MW-323

Date: 10/15/2021



Site: Site 36, Former
Fuel Farm 1

P26: Earthen crack
near MW-323 - likely
land subsidence

Date: 10/15/2021



Site: Site 36, Former
Fuel Farm 1

P27: MW-322

Date: 10/15/2021



Site: Site 36, Former
Fuel Farm 1

P28: MW-303

Date: 10/15/2021



Site: Site 36, Former Fuel Farm 1

P29: Site overview from northern boundary facing southeast

Date: 10/15/2021



Site: Site 36, Former Fuel Farm 1

P30: MW-305

Date: 10/15/2021



Site: Site 36, Former
Fuel Farm 1

P31: MW-301

Date: 10/15/2021



Site: Site 36, Former
Fuel Farm 1

P32: MW-304

Date: 10/15/2021



Site: Site 36, Former
Fuel Farm 1

P33: MW-325

Date: 10/15/2021



Site: Site 36, Former
Fuel Farm 1

P34: Site overview from
northwest corner facing
southeast

Date: 10/15/2021



Site: Site 36, Former
Fuel Farm 1

P35: MW-306

Date: 10/15/2021



Site: Site 36, Former
Fuel Farm 1

P36: MW-202

Date: 10/15/2021



Site: Site 36, Former
Fuel Farm 1

P37: MW-326

Date: 10/15/2021



Site: Site 36, Former
Fuel Farm 1

P38: MW-327

Date: 10/15/2021



Site: Site 36, Former Fuel Farm 1

P39: Site overview from northwest corner facing south

Date: 10/15/2021



Site: Site 36, Former Fuel Farm 1

P40: MW-329

Date: 10/15/2021



Site: Site 36, Former Fuel Farm 1

P41: MW-328

Date: 10/15/2021



Site: Site 36, Former Fuel Farm 1

P42: Site overview from western corner facing east

Date: 10/15/2021



Site: Site 36, Former
Fuel Farm 1

P43: MW-320

Date: 10/15/2021



Site: Site 36, Former
Fuel Farm 1

P44: MW-319

Date: 10/15/2021



Site: Site 36, Former
Fuel Farm 1

P45: MW-318

Date: 10/15/2021



Site: Site 36, Former
Fuel Farm 1

P46: Site overview from
middle of southwestern
boundary facing east

Date: 10/15/2021



Site: Site 36, Former
Fuel Farm 1

P47: Vented UST

Date: 10/15/2021



Site: Site 36, Former
Fuel Farm 1

P48: MW-321

Date: 10/15/2021



Site: Site 36, Former Fuel Farm 1

P49: Site overview from middle of northeastern boundary facing southwest

Date: 10/15/2021



Site: Site 36, Former Fuel Farm 1

P50: Site overview from eastern corner facing northwest

Date: 10/15/2021



Site: Site 36, Former Fuel Farm 1

P51: Site overview from eastern corner facing west

Date: 10/15/2021



Site: Site 36, Former Fuel Farm 1

P52: MW-313

Date: 10/15/2021



Site: Site 36, Former
Fuel Farm 1

P53: MW-311

Date: 10/15/2021



Site: Site 36, Former
Fuel Farm 1

P54: Site overview from
south corner facing
northwest

Date: 10/15/2021



Site: Site 36, Former
Fuel Farm 1

P55: Site overview from
south corner facing
northeast

Date: 10/15/2021



Site: Site 35, Former Fuel Farm 2

Q1: Site overview from north point facing south

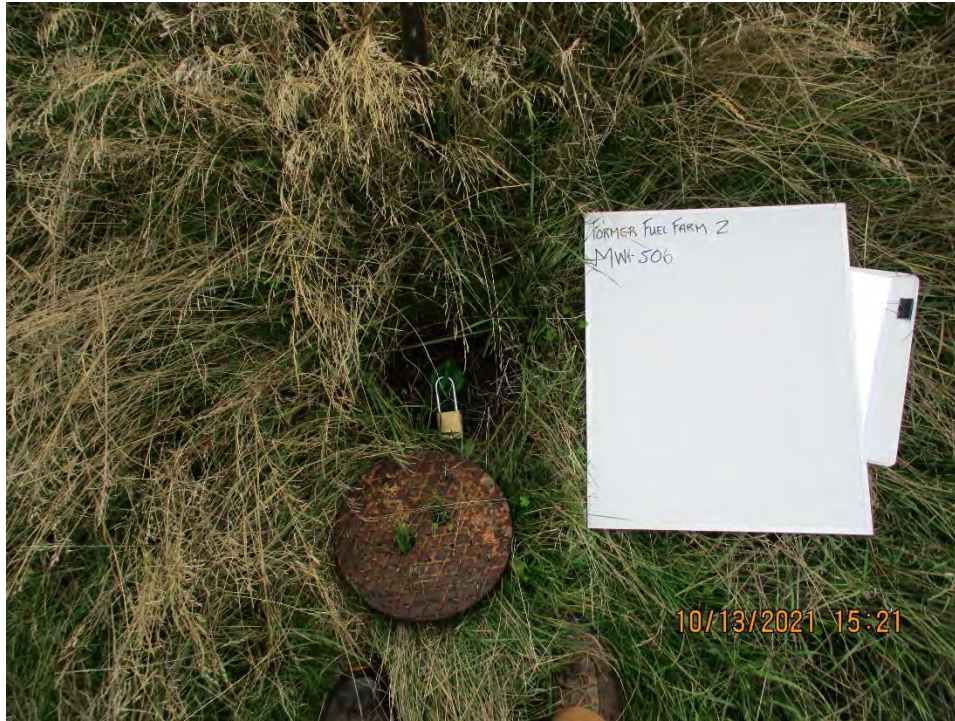
Date: 10/13/2021



Site: Site 35, Former Fuel Farm 2

Q2: MW-306

Date: 10/13/2021



Site: Site 35, Former
Fuel Farm 2

Q3: MW-506

Date: 10/13/2021



Site: Site 35, Former
Fuel Farm 2

Q4: Unmarked
monitoring well

Date: 10/13/2021



Site: Site 35, Former
Fuel Farm 2

Q5: MW-507

Date: 10/13/2021



Site: Site 35, Former
Fuel Farm 2

Q6: MW-508

Date: 10/13/2021



Site: Site 35, Former Fuel Farm 2

Q7: Site overview from west boundary facing north

Date: 10/13/2021



Site: Site 35, Former Fuel Farm 2

Q8: MW-505

Date: 10/13/2021



Site: Site 35, Former
Fuel Farm 2

Q9: MW-717

Date: 10/13/2021



Site: Site 35, Former
Fuel Farm 2

Q10: Former direct
push technology drilling
location

Date: 10/13/2021



Site: Site 35, Former
Fuel Farm 2

Q11: MW-307

Date: 10/13/2021



Site: Site 35, Former
Fuel Farm 2

Q12: MW-716

Date: 10/13/2021



Site: Site 35, Former
Fuel Farm 2

Q13: Site overview
from east boundary
facing west

Date: 10/13/2021



Site: Site 35, Former
Fuel Farm 2

Q14: MW-001

Date: 10/13/2021



Site: Site 35, Former Fuel Farm 2

Q15: General site overview

Date: 10/13/2021



Site: Site 35, Former Fuel Farm 2

Q16: Fire hydrant 1

Date: 10/13/2021



Site: Site 35, Former Fuel Farm 2

Q17: Site overview from central east boundary facing west

Date: 10/13/2021



Site: Site 35, Former Fuel Farm 2

Q18: Path trending east to shoreline

Date: 10/13/2021



Site: Site 35, Former
Fuel Farm 2

Q19: Site overview
from central area facing
southwest

Date: 10/13/2021



Site: Site 35, Former
Fuel Farm 2

Q20: Site overview
from central area facing
southeast

Date: 10/13/2021



Site: Site 35, Former
Fuel Farm 2

Q21: Fire hydrant 2

Date: 10/13/2021



Site: Site 35, Former
Fuel Farm 2

Q22: Fire hydrant 3

Date: 10/13/2021



Site: Site 35, Former
Fuel Farm 2

Q23: Former signage

Date: 10/13/2021



Site: Site 35, Former
Fuel Farm 2

Q24: Trails south of site

Date: 10/13/2021



Site: Site 35, Former Fuel Farm 2

Q25: Site overview from south point facing north

Date: 10/13/2021



Site: Site 35, Former Fuel Farm 2

Q26: Site overview from central area facing northeast

Date: 10/13/2021



Site: Site 35, Former
Fuel Farm 2

Q27: Fire hydrant

Date: 10/13/2021



Site: Site 13, Former Fuel Farm 3

R1: Site overview of south area from southwest corner

Date: 10/16/2021



Site: Site 13, Former Fuel Farm 3

R2: MW-372

Date: 10/16/2021



Site: Site 13, Former
Fuel Farm 3

R3: MW-371

Date: 10/16/2021



Site: Site 13, Former
Fuel Farm 3

R4: Site overview of
south area from
southern boundary
facing north

Date: 10/16/2021



Site: Site 13, Former
Fuel Farm 3

R5: MW-368

Date: 10/16/2021



Site: Site 13, Former
Fuel Farm 3

R6: MW-369

Date: 10/16/2021



Site: Site 13, Former Fuel Farm 3

R7: Southern area site overview from MW-369 facing northwest

Date: 10/16/2021



Site: Site 13, Former Fuel Farm 3

R8: MW-702

Date: 10/16/2021



Site: Site 13, Former Fuel Farm 3

R9: Southern area site overview from west boundary facing east

Date: 10/16/2021



Site: Site 13, Former Fuel Farm 3

R10: MW-361

Date: 10/16/2021



Site: Site 13, Former
Fuel Farm 3

R11: MW-302

Date: 10/16/2021



Site: Site 13, Former
Fuel Farm 3

R12: Middle of southern
area facing east from
MW-302

Date: 10/16/2021



Site: Site 13, Former
Fuel Farm 3

R13: MW-360

Date: 10/16/2021



Site: Site 13, Former
Fuel Farm 3

R14: MW-501

Date: 10/16/2021



Site: Site 13, Former
Fuel Farm 3

R15: MW-359

Date: 10/16/2021



Site: Site 13, Former
Fuel Farm 3

R16: MW-507

Date: 10/16/2021



Site: Site 13, Former Fuel Farm 3

R17: Middle of southern area facing west from MW-507

Date: 10/16/2021



Site: Site 13, Former Fuel Farm 3

R18: MW-358

Date: 10/16/2021



Site: Site 13, Former
Fuel Farm 3

R19: MW-506

Date: 10/16/2021



Site: Site 13, Former
Fuel Farm 3

R20: MW-303

Date: 10/16/2021



Site: Site 13, Former Fuel Farm 3

R21: Site overview facing west from the vicinity of MW-357

Date: 10/16/2021



Site: Site 13, Former Fuel Farm 3

R22: MW-357

Date: 10/16/2021



Site: Site 13, Former
Fuel Farm 3

R23: MW-356 inside

Date: 10/16/2021



Site: Site 13, Former
Fuel Farm 3

R24: MW-356

Date: 10/16/2021



Site: Site 13, Former Fuel Farm 3

R25: Site overview from eastern boundary of southern area facing northwest

Date: 10/16/2021



Site: Site 13, Former Fuel Farm 3

R26: MW-355

Date: 10/16/2021



Site: Site 13, Former Fuel Farm 3

R27: Site overview from northeast corner of southern area facing west

Date: 10/16/2021



Site: Site 13, Former Fuel Farm 3

R28: Signage in northeast corner

Date: 10/16/2021



Site: Site 13, Former Fuel Farm 3

R29: Signage in northeast corner

Date: 10/16/2021



Site: Site 13, Former Fuel Farm 3

R30: MW-334

Date: 10/16/2021



Site: Site 13, Former
Fuel Farm 3

R31: Stockpiled
construction debris

Date: 10/16/2021



Site: Site 13, Former
Fuel Farm 3

R32: MW-305

Date: 10/16/2021



Site: Site 13, Former
Fuel Farm 3

R33: MW-502

Date: 10/16/2021



Site: Site 13, Former
Fuel Farm 3

R34: MW-335

Date: 10/16/2021



Site: Site 13, Former Fuel Farm 3

R35: Site overview from northwest corner of southern area facing east

Date: 10/16/2021



Site: Site 13, Former Fuel Farm 3

R36: Site overview from northwest corner of southern area facing south

Date: 10/16/2021



Site: Site 13, Former Fuel Farm 3

R37: Site overview from western boundary facing east

Date: 10/16/2021



Site: Site 13, Former Fuel Farm 3

R38: MW-352

Date: 10/16/2021



Site: Site 13, Former Fuel Farm 3

R39: Oil Water Separator in northern area

Date: 10/16/2021



Site: Site 13, Former Fuel Farm 3

R40: MW-503

Date: 10/16/2021



Site: Site 13, Former
Fuel Farm 3

R41: MW-353

Date: 10/16/2021



Site: Site 13, Former
Fuel Farm 3

R42: MW-354

Date: 10/16/2021



Site: Site 13, Former Fuel Farm 3

R43: Site overview from southeast corner of northern area facing west

Date: 10/16/2021



Site: Site 13, Former Fuel Farm 3

R44: MW-003

Date: 10/16/2021



Site: Site 13, Former
Fuel Farm 3

R45: MW-364

Date: 10/16/2021



Site: Site 13, Former
Fuel Farm 3

R46: Site overview from
northeast corner of
northern area facing
south

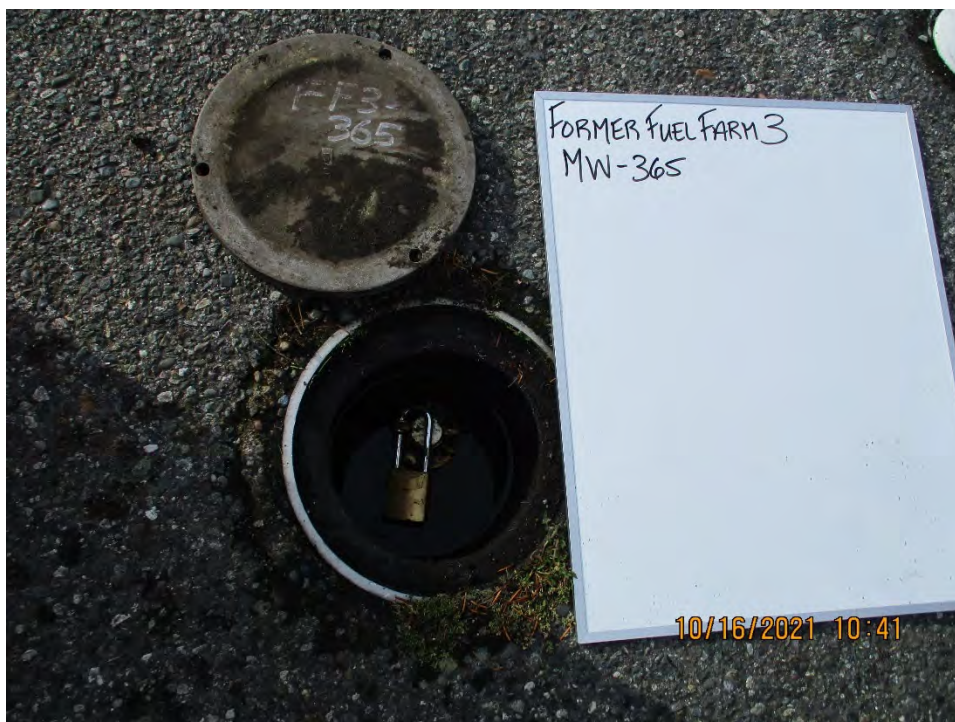
Date: 10/16/2021



Site: Site 13, Former Fuel Farm 3

R47: Site overview from northeast corner of northern area facing southwest

Date: 10/16/2021



Site: Site 13, Former Fuel Farm 3

R48: MW-365

Date: 10/16/2021



Site: Site 13, Former
Fuel Farm 3

R49: MW-002

Date: 10/16/2021



Site: Site 13, Former
Fuel Farm 3

R50: MW-002

Date: 10/16/2021



Site: Site 13, Former
Fuel Farm 3

R51: MW-701

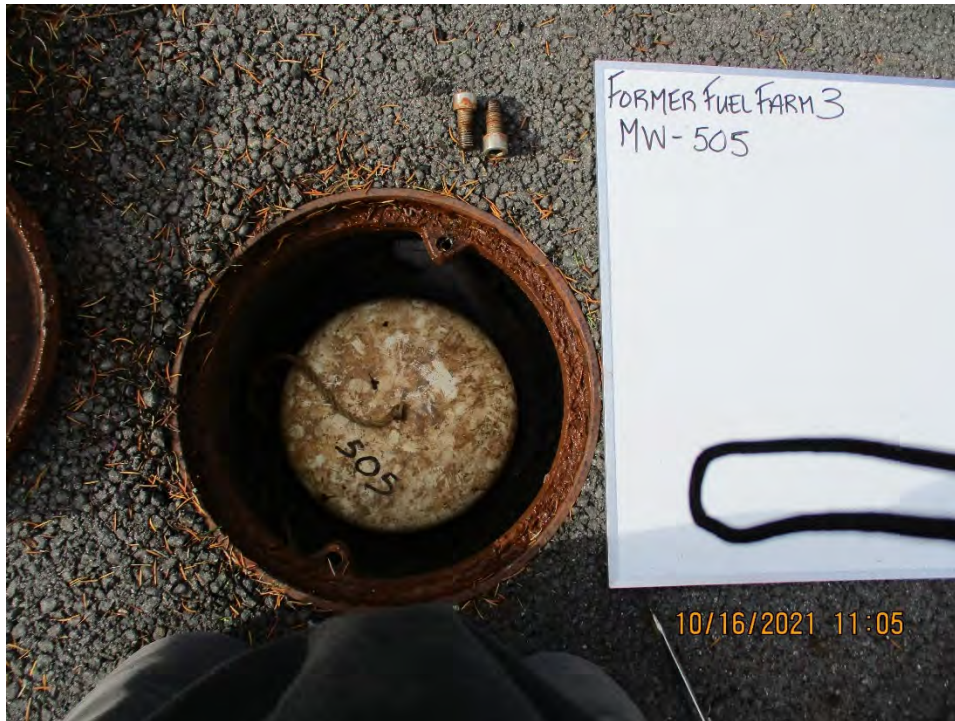
Date: 10/16/2021



Site: Site 13, Former
Fuel Farm 3

R52: Signage along
northern boundary of
southern area

Date: 10/16/2021



Site: Site 13, Former
Fuel Farm 3

R53: MW-505

Date: 10/16/2021



Site: Site 13, Former
Fuel Farm 3

R54: MW-504

Date: 10/16/2021



Site: Site 13, Former
Fuel Farm 3

R55: MW-001

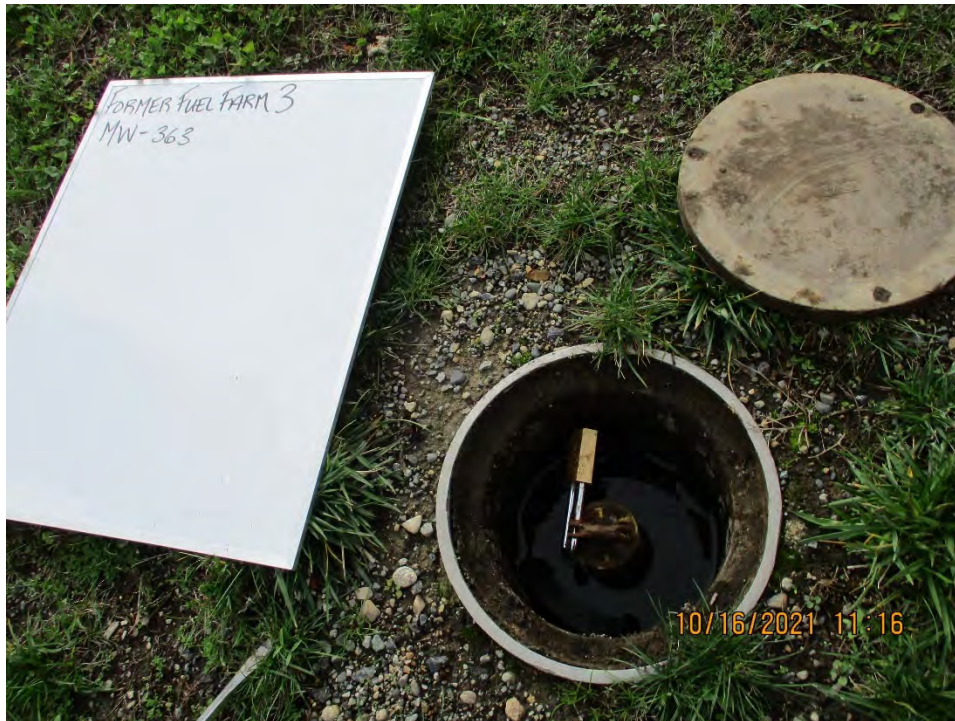
Date: 10/16/2021



Site: Site 13, Former
Fuel Farm 3

R56: MW-001

Date: 10/16/2021



Site: Site 13, Former Fuel Farm 3

R57: MW-363

Date: 10/16/2021



Site: Site 13, Former Fuel Farm 3

R58: Site overview from southwest corner of northern area facing east

Date: 10/16/2021



Site: Site 13, Former Fuel Farm 3

R59: Site overview from southwest corner of northern area facing northwest

Date: 10/16/2021



Site: Site 13, Former Fuel Farm 3

R60: MW-311

Date: 10/16/2021



Site: Site 13, Former Fuel Farm 3

R61: Site overview from northwest corner of northern area facing southeast

Date: 10/16/2021



Site: Site 13, Former Fuel Farm 3

R62: MW-350

Date: 10/16/2021



Site: Site 13, Former
Fuel Farm 3

R63: MW-351

Date: 10/16/2021



Site: Site 11, Former
Fuel Farm 4

S1: Gate at southwest
corner

Date: 10/13/2021



Site: Site 11, Former
Fuel Farm 4

S2: Former signage
post

Date: 10/13/2021



Site: Site 11, Former Fuel Farm 4

S3: Site overview from southwest corner facing northeast

Date: 10/13/2021



Site: Site 11, Former Fuel Farm 4

S4: Site overview from western boundary facing east

Date: 10/13/2021



Site: Site 11, Former
Fuel Farm 4

S5: Electric panel

Date: 10/13/2021



Site: Site 11, Former
Fuel Farm 4

S6: Fire hydrant

Date: 10/13/2021



Site: Site 11, Former Fuel Farm 4

S7: Site overview from southeast corner facing northwest

Date: 10/13/2021



Site: Site 11, Former Fuel Farm 4

S8: Signage

Date: 10/13/2021



Site: Site 11, Former Fuel Farm 4

S9: Access signage

Date: 10/13/2021



Site: Site 11, Former Fuel Farm 4

S10: Northeast boundary access signage

Date: 10/13/2021



Site: Site 11, Former
Fuel Farm 4

S11: Northeast fire
hydrant

Date: 10/13/2021



Site: Site 11, Former
Fuel Farm 4

S12: MW-109

Date: 10/13/2021



Site: Site 11, Former
Fuel Farm 4

S13: MW-114

Date: 10/13/2021



Site: Site 11, Former
Fuel Farm 4

S14: Staged spill
response kits

Date: 10/13/2021



Site: Site 11, Former Fuel Farm 4

S15: OWS along northern site boundary

Date: 10/13/2021



Site: Site 11, Former Fuel Farm 4

S16: OWS along northern site boundary

Date: 10/13/2021



Site: Site 11, Former Fuel Farm 4

S17: North site overview

Date: 10/13/2021



Site: Site 11, Former Fuel Farm 4

S18: Used petroleum tanker trailer

Date: 10/13/2021



Site: Site 11, Former
Fuel Farm 4

S19: MW-114 (491)

Date: 10/13/2021



Site: Site 11, Former
Fuel Farm 4

S20: MW-115 (491)

Date: 10/13/2021



Site: Site 11, Former
Fuel Farm 4

S21: MW-113 (491)

Date: 10/13/2021



Site: Site 45, TCE Tank

T1: Concrete
barricades

Date: 10/13/2021



Site: Site 45, TCE Tank

T2: Site overview from
eastern boundary

Date: 10/13/2021



Site: Site 45, TCE Tank

T3: Electric panel

Date: 10/13/2021



Site: Site 45, TCE Tank

T4: North site overview
from northeast corner

Date: 10/13/2021



Site: Site 45, TCE Tank

T5: Animal burrowing
along northern
boundary

Date: 10/13/2021



Site: Site 45, TCE Tank

T6: Site overview from
northwest corner facing
southeast

Date: 10/13/2021



Site: Site 45, TCE Tank

T7: Site overview from northwest corner facing east

Date: 10/13/2021



Site: Site 45, TCE Tank

T8: Site overview from southern boundary facing north

Date: 10/13/2021



Site: Site 45, TCE Tank

T9: Unmarked
monitoring well

Date: 10/13/2021



Site: Site 45, TCE Tank

T10: Sewer manhole

Date: 10/13/2021



Site: Site 45, TCE Tank

T12: Hazardous Waste
Accumulation Area

Date: 10/13/2021

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Appendix C: Monitoring Well Inspection Checklists

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Appendix C – Monitoring Well Inspections

Land use controls (LUCs) at several specified areas/sites at Naval Air Station (NAS) Whidbey Island include requirements to protect existing monitoring wells. The areas/sites at NAS Whidbey Island where these LUC requirements apply are:

- Operable Unit (OU) 1, Area 6, Current (1969-1980s) Landfill
- OU 2, Area 2, Western Highlands Landfill
- OU 2, Area 3, 1969-1970 Landfill
- OU 2, Area 4, Walker Barn Storage Area
- OU 2, Area 29, Clover Valley Fire School
- OU 5, Area 1, Beach Landfill
- OU 5, Area 31, Former Runway Fire Training School
- OU 5, Area 52, Jet Engine Test Cell
- Site 22, Hangar 5
- Site 36, Former Fuel Farm 1
- Site 35, Former Fuel Farm 2
- Site 13, Former Fuel Farm 3
- Site 11, Former Fuel Farm 4

As noted in the *Final Land Use Control Implementation Plan*, Naval Air Station Whidbey Island, Oak Harbor, Washington and Naval Ocean Processing Facility Coos Head, Charleston, Oregon (LUCIP; Liberty JV, 2020), the monitoring wells at Area 52 were removed from the LUC inspection program per the 2014 *Land Use Controls Implementation Plan*, NAS Whidbey Island, Oak Harbor, Washington (URS, 2014).

These areas/sites are located at both the Ault Field and Seaplane Base portions of NAS Whidbey Island. As part of the LUC inspection process, the protection and condition of monitoring wells were visually inspected following the general checklist for monitoring well inspections provided in the LUCIP. Monitoring well inspections were conducted at these specified areas/sites between 12 and 17 October 2021. All monitoring wells listed for inspection in the LUCIP were included in the 2021 LUC inspections. Completed checklists for all wells are provided in Exhibit C-1, and a photograph of each monitoring well is included in Appendix B.

Additionally, as noted in the *Final 2021 Land Use Controls Inspection Work Plan* (LUCWP; Liberty JV, 2021), all monitoring wells located and accessed during the 2021

inspection will have new padlocks installed. Monitoring wells that could not be secured with a padlock were documented on the inspection checklists (Exhibit C-1).

Findings of the monitoring well inspections are summarized in Table C-1. Minor and periodic maintenance of the monitoring wells, including activities such as lock or bollard replacement, is recommended to ensure the monitoring well networks of these specific areas/sites continue to be protected. Maintenance activities should be tracked and documented. Monitoring wells that could not be secured with a padlock have been noted in Table C-1.

References

- Liberty JV. 2021. *Final 2021 Land Use Controls Inspection Work Plan*, Naval Air Station Whidbey Island, Oak Harbor, Washington, and Naval Ocean Processing Facility Coos Head, Charleston, Oregon. Contract No. N44255-20-D-5006, Deliver Order No. N4425521F4104. October.
- Liberty JV. 2020. *Final Land Use Controls Implementation Plan*, Naval Air Station Whidbey Island, Oak Harbor, Washington and Naval Ocean Processing Facility Coos Head, Charleston, Oregon. Contract No. N44255-20-D-5006; Delivery Order No. N4425520F4289. December.
- URS. 2014. *Land Use Controls Implementation Plan*, NAS Whidbey Island, Oak Harbor, Washington. Prepared for Naval Facilities Engineering Command Northwest under Contract No. N44255-05 D-4001, Delivery Order 0056. March 2014.

Table C-1: NAS Whidbey Island Monitoring Wells, LUC Inspection Results

Well ID	Northing	Easting	Photograph No. (Appendix B)	Comments from 2021 Inspection
OU 1, Area 6, Current (1969 –1980s) Landfill				
Production Wells				
PW-1	487510.00	1200640.00	B57, B58	-
PW-2	485180.00	1201045.00	B24, B25	-
PW-3*	486734.828	1200409.726	B8, B9	-
PW-4*	484919.327	1201017.543	B28, B29	-
PW-5*	485475.157	1200440.757	B15, B16	-
PW-6	485485.00	1200675.00	B17, B18	-
PW-7*	485453.232	1200848.921	B19, B20	-
PW-8	485195.00	1201385.00	B43, B44	-
PW-9*	484913.794	1201515.322	B40, B41	-
PW-10*	485380.232	1201035.655	B63	-
Monitoring Wells				
MW-3B*	483969.424	1200985.634	--	On City of Oak Harbor Landfill.
MW-5*	485277.249	1200715.752	B27	On City of Oak Harbor Landfill.
MW-7	487090.00	1200440.0	B6	-
MW-9*	485144.491	1201754.341	B42	-
MW-10	486020.00	1200965.00	B62	-
MW-13*	487459.108	1203129.564	B73	-
6-DW-38**	483163.30	1201774.60	B77	Former private drinking water well with disconnected electrical wiring; no inner casing; not owned by U.S. Navy; no bollards. A new lock was not installed – well cap does not accommodate new lock shank
6-S-1	486064.30	1205139.00	B71	-
6-S-2	488231.10	1200536.00	B84, B85	-
6-S-3	484809.00	1201913.00	B34	-
6-S-6	486369.30	1200387.00	B10	-
6-S-7	488637.20	1200542.00	B1	-

Table C-1: NAS Whidbey Island Monitoring Wells, LUC Inspection Results (continued)

Well ID	Northing	Easting	Photograph No. (Appendix B)	Comments from 2021 Inspection
6-S-9	487101.20	1201426.00	B68, B69	-
6-S-10	487873.20	1200810.00	B54	-
6-S-14	486480.30	1200760.00	B59	-
6-S-15	486877.90	1200840.00	B60	-
6-S-16	485994.00	1202127.00	B67	-
6-S-17	485524.40	1202048.00	B64	-
6-S-19*	484795.354	1201474.280	B33	-
6-S-24*	486179.525	1200119.074	B78	-
6-S-25*	485495.387	1200381.586	B12	-
6-S-26*	488335.748	1200909.457	B55	-
6-S-27*	485091.939	1200399.970	B26	-
6-S-29*	484808.454	1201178.203	B32	-
6-S-30*	487849.337	1200431.417	B3	-
6-S-31*	487408.929	1200414.862	B5	-
N6-37	487499.20	1200709.00	B56	Bollards present but do not provide protection of well monument
N6-38	487721.00	1200538.00	B53	No bollards
Resource Protection Wells				
6-S-40	485727.00	1203046.00	B81	-
6-S-41	485062.00	1202556.00	B83	Missing cover bolts
6-S-42*	484226.857	1201987.500	B80	-
6-S-43*	483610.019	1201483.926	B79	-
OU 2, Area 2, Western Highlands Landfill				
N2-3	491030.20	1189582.0	C9	-
N2-6C	491543.50	1189532.0	C10	-
N2-8	490793.70	1189305.0	C4	-
N2-9	490504.70	1189359.0	C2	-

Table C-1: NAS Whidbey Island Monitoring Wells, LUC Inspection Results (continued)

Well ID	Northing	Easting	Photograph No. (Appendix B)	Comments from 2021 Inspection
OU 2 Area 3, 1969 – 1970 Landfill				
3-MW-2	491368.70	1190681.0	D9	-
N3-12	491400.0	1190575.0	D8	-
OU 2 Area 4, Walker Barn Storage Area				
4-MW-1	492410.90	1190076.00	E5	-
4-MW-3	492262.60	1190041.00	E2	-
OU 2 Area 29, Clover Valley Fire School				
29-MW-4	489353.60	1188495.00	F1	-
N29-20	489204.50	1188480.0	F3	-
N29-22D	489251.20	1188284.0	F10	No bollards
OU 5 Area 1, Former Beach Landfill				
MW-18	496345.40	1191195.00	I5	-
TP-101	496259.00	1191190.00	I14	-
MW-103	495609.60	1190759.00	I9	-
OU 5 Area 31, Former Runway Fire Training School				
OWS-1	499423.30	1197728.00	J5	Missing cover bolts; vault full of water
MW-31-9A	499465.30	1197737.00	J6	Missing cover bolts; vault full of water
Site 22, Hangar 5				
H5-MW-1	496945.29	1193376.92	L3	Unable to secure new lock; well cap is submerged; vault full of water
H5-MW-2	497041.79	1193312.17	L1	Vault full of water
H5-MW-3	497045.24	1193467.39	L2	Unable to secure new lock; well cap is submerged; vault full of water
Site 36, Former Fuel Farm 1				
MW-201	473449	1204377	P22	-
MW-202	473281	1204082	P36	-

Table C-1: NAS Whidbey Island Monitoring Wells, LUC Inspection Results (continued)

Well ID	Northing	Easting	Photograph No. (Appendix B)	Comments from 2021 Inspection
MW-301	473487	1204044	P31	-
MW-303	473514	1204096	P28	-
MW-304	473556	1203995	P32	Concrete apron and monument are not securely set
MW-305	473557	1204062	P30	Monument lid broken
MW-306	473369	1204145	P35	-
MW-311	473302	1204300	P53	-
MW-313	473386	1204458	P52	-
MW-315	473455	1204487	P20	-
MW-317	473523	1204402	P23	-
MW-318	473118	1204049	P45	Monument lid broken
MW-319	473180	1204109	P44	Lid nearly rusted shut
MW-320	473238	1204199	P43	-
MW-321	473423	1204543	P48	-
MW-322	473577	1204279	P27	-
MW-323	473561	1204185	P25	Concrete apron and monument are not securely set
MW-324	473412	1204254	P24	-
MW-325	473484	1203887	P33	-
MW-326	473319	1203947	P37	-
MW-327	473386	1203704	P38	-
MW-328	473127	1203933	P41	Monument lid broken
MW-329	473248	1203883	P40	Monument lid broken
MW-330	473607	1204596	P14	Missing cover bolts
MW-331	473660	1204609	P8	Missing cover bolts
MW-332	473580	1204629	P13	Missing cover bolts
MW-333	473578	1204692	P12	Missing cover bolts
MW-335	473561	1204508	P16	Missing cover bolts

Table C-1: NAS Whidbey Island Monitoring Wells, LUC Inspection Results (continued)

Well ID	Northing	Easting	Photograph No. (Appendix B)	Comments from 2021 Inspection
MW-337	473665	1204485	P3	-
MW-338	473624	1204528	P18	Missing cover bolts
MW-339	473523	1204565	P15	Unable to secure new lock on slip cap; missing cover bolts
MW-342	473594	1204479	P17	Missing cover bolts
MW-343	473477	1204630	P1	Missing cover bolts
MW-344	473494	1204773	P11	Unable to secure new lock – well cap damaged, missing cover bolts
MW-501	473818	1204385	P5	Missing cover bolts
MW-502	473755	1204395	P4	Missing cover bolts
MW-503	473698	1204468	P2	Missing cover bolts
MW-601	473688	1204498	P6	Vault full of water
MW-602	473699	1204711	P7	Missing cover bolts
MW-603	473695	1204719	P9	Missing cover bolts
MW-604	473709	1204778	P10	-
Site 35, Former Fuel Farm 2				
MW-001	471180	1204168	Q14	Bollards not plumb
MW-306	471389	1204146	Q2	-
MW-307	471299	1204148	Q11	-
MW-505	471322	1203973	Q8	Missing cover bolts
MW-506	471313	1204029	Q3	Missing cover bolts
MW-507	471297	1204081	Q5	Missing cover bolts
MW-508	471357	1204016	Q6	Missing cover bolts
MW-716	471288	1204150	Q12	-
MW-717	471247	1203982	Q9	-
Site 13, Former Fuel Farm 3				
MW-001	493167	1194253	R55, R56	Unable to secure new lock on slip cap

Table C-1: NAS Whidbey Island Monitoring Wells, LUC Inspection Results (continued)

Well ID	Northing	Easting	Photograph No. (Appendix B)	Comments from 2021 Inspection
MW-002	493412	1194579	R49, R50	Missing cover bolts; unable to secure new lock, vault size does not accommodate shank length
MW-003	493243	1194835	R44	No bollards present
MW-302	492775	1194172	R11	Lid nearly rusted shut
MW-303	492809	1194515	R20	-
MW-305	493019	1194490	R32	-
MW-311	493317	1194259	R60	-
MW-334	493000	1194752	R30	-
MW-335	491017	1194206	R34	Lid nearly rusted shut; bollards partially buried
MW-350	493270	1194386	R62	Unable secure new lock, vault size does not accommodate shank length
MW-351	493226	1194488	R63	-
MW-352	493198	1194362	R38	-
MW-353	493209	1194741	R41	-
MW-354	493163	1194911	R42	Lid nearly rusted shut
MW-355	493055	1194942	R26	-
MW-356	492932	1194879	R23, R24	-
MW-357	492885	1194756	R22	Missing cover bolts
MW-358	492744	1194560	R18	-
MW-359	492733	1194456	R15	Unable to secure new lock on vault or well cap; no hasp or previous lock present
MW-360	492735	1194314	R13	-
MW-361	492892	1194065	R10	-
MW-363	493154	1194154	R57	Missing cover bolts
MW-364	493340	1194845	R45	-
MW-365	493330	1194769	R48	Missing cover bolts; vault full of water
MW-368	492488	1194911	R5	-

Table C-1: NAS Whidbey Island Monitoring Wells, LUC Inspection Results (continued)

Well ID	Northing	Easting	Photograph No. (Appendix B)	Comments from 2021 Inspection
MW-369	492634	1194640	R6	Overgrown vegetation hinders well access
MW-371	492344	1194538	R3	Missing cover bolts; vault full of water
MW-372	492323	1194376	R2	Missing cover bolts; vault full of water
MW-501	492737	1194329	R14	Unable to secure new lock on vault or well cap; no hasp or previous lock present
MW-502	493014	1194450	R33	Unable to secure new lock on vault or well cap; no hasp or previous lock present
MW-503	493182	1194689	R40	Unable to secure new lock on vault or well cap; no hasp or previous lock present
MW-504	493165	1194268	R54	Unable to install new lock on slip cap; no hasp or previous lock present
MW-505	493162	1194356	R53	Unable to install new lock on slip cap; no hasp or previous lock present
MW-506	492765	1194547	R19	Unable to secure new lock on vault or well cap; no hasp or previous lock present
MW-507	492778	1194602	R16	Unable to secure new lock on vault or well cap; no hasp or previous lock present
MW-701	493268	1194613	R51	Missing cover bolts; well lid nearly buried in asphalt (new pavement)
MW-702	492589	1194471	R8	Missing cover bolts; well vault sunken
Site 11, Former Fuel Farm 4				
MW-109	489905.553664	1196219.914920	S12	-
MW-114	489922.665974	1196122.374720	S13	-
MW-113 (491)	490110.901448	1196098.417480	S21	Missing cover bolts
MW-114 (491)	490155.393467	1196098.417480	S19	Unable to install new lock on well cap; missing cover bolts
MW-115 (491)	490153.682236	1196127.508420	S20	Unable to install new lock on well cap; missing cover bolts

*Coordinates are corrected or made more accurate based on measurements taken during the 2015 LUC inspections (Battelle, 2020).

**Coordinates are approximated.

Abbreviation: ID = identification

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**Exhibit C-1:
Completed Monitoring Well Checklists**

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NAS Whidbey Island
Oak Harbor, WA
Naval Facilities Engineering Command Northwest

GROUNDWATER MONITORING WELL VISUAL INSPECTION CHECKLIST

DATE(S) (MM/DD/YY): <u>10/16/2021</u>	TIME (HH:MM): <u>1555</u>	WEATHER/TEMPERATURE: <u>Cloudy 50°</u>
INSPECTOR(S): <u>Alex McLeathy, Jeff Fetters</u>		COMPANY: <u>Liberty JV.</u>
OU AND SITE: <u>OUI AREA 6</u>	DESCRIPTION: <u>LANDFILL</u>	
WELL ID: <u>PW-1</u>	NORTHING: <u>487570.00</u>	EASTING: <u>1200640.00</u>

INSPECTION CHECKLIST

MONITORING WELL LOCATED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
WELL CLEARLY LABELED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
MONUMENT IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF WELL CASING:	<input type="checkbox"/> STICK-UP	<input type="checkbox"/> FLUSH-MOUNT <input checked="" type="checkbox"/> OTHER: <u>Vault Production Well</u>
SIZE & NUMBER OF BOLTS ON FLUSH-MOUNT LID:		
SURROUNDING SURFACE MATERIAL:	<input type="checkbox"/> CONCRETE	<input type="checkbox"/> ASPHALT <input checked="" type="checkbox"/> SOIL - <u>gravel</u>
CONCRETE APRON:	<input type="checkbox"/> NOT PRESENT	<input type="checkbox"/> SLOPING AWAY
LID CONDITION (STICKUP WELL ONLY):	<input type="checkbox"/> INTACT AND LOCKABLE	<input type="checkbox"/> DAMAGED
NUMBER OF BOLLARDS:		
BOLLARD CONDITION:	<input type="checkbox"/> NOT PRESENT	<input type="checkbox"/> STILL PLUMB <input type="checkbox"/> DAMAGED: _____
CASING DIAMETER:	<input type="checkbox"/> 2"	<input type="checkbox"/> 4" <input checked="" type="checkbox"/> 6"
	<input type="checkbox"/> 8"	<input type="checkbox"/> OTHER: _____
IS THE CASING IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
IS THERE A CAP ON THE MONITORING WELL?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF CAP:	<input type="checkbox"/> PVC SLIP CAP	<input type="checkbox"/> J-PLUG
	<input checked="" type="checkbox"/> PRODUCTION W/TUBING	<input type="checkbox"/> OTHER: _____
LOCK MATERIAL:	<input checked="" type="checkbox"/> BRASS	<input type="checkbox"/> STAINLESS STEEL
		<input type="checkbox"/> OTHER: _____
LOCK SHANK LENGTH (estimated):	<u>2 7/16</u> INCHES	
LOCK LOCATION:	<input type="checkbox"/> WELL CAP	<input type="checkbox"/> MONUMENT
		<input type="checkbox"/> BOTH
ANY EVIDENCE OF TAMPERING WITH THE WELL CASING OR CAP?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
ANY ODORS?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
IF YES, DESCRIBE ODOR:	<input type="checkbox"/> SOLVENT	<input type="checkbox"/> HYDROGEN SULFIDE/ROTTEN EGGS
	<input type="checkbox"/> PETROLEUM	<input type="checkbox"/> OTHER: _____
WERE PICTURES TAKEN?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO

COMMON DEFICIENCIES

COMMON DEFICIENCIES:	<input type="checkbox"/> MISSING LOCK	<input type="checkbox"/> RUSTY STICK-UP
	<input type="checkbox"/> RUSTY BOLLARDS	<input type="checkbox"/> MISSING BOLTS
	NUMBER OF BOLTS MISSING: _____	

ADDITIONAL NOTES OR COMMENTS ON CONDITION

2 x new locks installed on perimeter fencing

GENERAL CONDITION (CHECK ONE): ☒ GOOD ☐ MODERATE ☐ POOR



NAS Whidbey Island
Oak Harbor, WA
Naval Facilities Engineering Command Northwest

GROUNDWATER MONITORING WELL VISUAL INSPECTION CHECKLIST

DATE(S) (MM/DD/YY): <u>10/16/2021</u>	TIME (HH:MM): <u>1342</u>	WEATHER/TEMPERATURE: <u>Cloudy 50°</u>
INSPECTOR(S): <u>Alex McCantley, Jeff Feltz</u>		COMPANY: <u>Liberty JV.</u>
OU AND SITE: <u>OU1 Area 6</u>	DESCRIPTION: <u>Landfill</u>	
WELL ID: <u>PW-2</u>	NORTHING: <u>485180.00</u>	EASTING: <u>1200640.00</u>

INSPECTION CHECKLIST

MONITORING WELL LOCATED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
WELL CLEARLY LABELED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
MONUMENT IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF WELL CASING:	<input type="checkbox"/> STICK-UP	<input type="checkbox"/> FLUSH-MOUNT <input checked="" type="checkbox"/> OTHER: <u>Vault</u>
SIZE & NUMBER OF BOLTS ON FLUSH-MOUNT LID:		
SURROUNDING SURFACE MATERIAL:	<input type="checkbox"/> CONCRETE	<input type="checkbox"/> ASPHALT <input checked="" type="checkbox"/> SOIL - gravel
CONCRETE APRON:	<input type="checkbox"/> OTHER: _____	<input type="checkbox"/> SLOPING AWAY <input type="checkbox"/> SUNKEN
LID CONDITION (STICKUP WELL ONLY):	<input type="checkbox"/> NOT PRESENT	<input type="checkbox"/> DAMAGED
NUMBER OF BOLLARDS:		
BOLLARD CONDITION:	<input type="checkbox"/> NOT PRESENT	<input type="checkbox"/> STILL PLUMB <input type="checkbox"/> DAMAGED: _____
CASING DIAMETER:	<input type="checkbox"/> 2" <input type="checkbox"/> 4" <input checked="" type="checkbox"/> 6"	<input type="checkbox"/> 8" <input type="checkbox"/> OTHER: _____
IS THE CASING IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
IS THERE A CAP ON THE MONITORING WELL?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF CAP:	<input type="checkbox"/> PVC SLIP CAP	<input type="checkbox"/> J-PLUG <input type="checkbox"/> EXPANSION
	<input checked="" type="checkbox"/> PRODUCTION W/TUBING	<input type="checkbox"/> OTHER: _____
LOCK MATERIAL:	<input checked="" type="checkbox"/> BRASS	<input type="checkbox"/> STAINLESS STEEL <input type="checkbox"/> OTHER: _____
LOCK SHANK LENGTH (estimated):	<u>2 7/16</u> INCHES	
LOCK LOCATION:	<input type="checkbox"/> WELL CAP	<input type="checkbox"/> MONUMENT <input type="checkbox"/> BOTH
ANY EVIDENCE OF TAMPERING WITH THE WELL CASING OR CAP?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
ANY ODORS?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
IF YES, DESCRIBE ODOR:	<input type="checkbox"/> SOLVENT	<input type="checkbox"/> HYDROGEN SULFIDE/ROTTEN EGGS
	<input type="checkbox"/> PETROLEUM	<input type="checkbox"/> OTHER: _____
WERE PICTURES TAKEN?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO

COMMON DEFICIENCIES

COMMON DEFICIENCIES:	<input type="checkbox"/> MISSING LOCK	<input type="checkbox"/> RUSTY STICK-UP
	<input type="checkbox"/> RUSTY BOLLARDS	<input type="checkbox"/> MISSING BOLTS
	NUMBER OF BOLTS MISSING: _____	

ADDITIONAL NOTES OR COMMENTS ON CONDITION

New lock installed on perimeter fencing.

GENERAL CONDITION (CHECK ONE):	<input checked="" type="checkbox"/> GOOD	<input type="checkbox"/> MODERATE	<input type="checkbox"/> POOR
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NAS Whidbey Island
Oak Harbor, WA
Naval Facilities Engineering Command Northwest

GROUNDWATER MONITORING WELL VISUAL INSPECTION CHECKLIST

DATE(S) (MM/DD/YY): <u>10/16/2021</u>	TIME (HH:MM): <u>1302</u>	WEATHER/TEMPERATURE: <u>Cloudy 50°</u>
INSPECTOR(S): <u>Alex McEnty, Jeff Fetters</u>		COMPANY: <u>Liberty JV.</u>
OU AND SITE: <u>OUI AREA 6</u>	DESCRIPTION: <u>Landspec</u>	
WELL ID: <u>PW-3</u>	NORTHING: <u>486734.828</u>	EASTING: <u>1200409.726</u>

INSPECTION CHECKLIST

MONITORING WELL LOCATED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
WELL CLEARLY LABELED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
MONUMENT IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF WELL CASING:	<input type="checkbox"/> STICK-UP	<input type="checkbox"/> FLUSH-MOUNT <input checked="" type="checkbox"/> OTHER: <u>Vault</u>
SIZE & NUMBER OF BOLTS ON FLUSH-MOUNT LID:		
SURROUNDING SURFACE MATERIAL:	<input type="checkbox"/> CONCRETE	<input type="checkbox"/> ASPHALT <input checked="" type="checkbox"/> SOIL - gravel
CONCRETE APRON:	<input type="checkbox"/> OTHER: _____	
LID CONDITION (STICKUP WELL ONLY):	<input type="checkbox"/> NOT PRESENT	<input type="checkbox"/> SLOPING AWAY <input type="checkbox"/> SUNKEN
	<input type="checkbox"/> INTACT AND LOCKABLE	<input type="checkbox"/> DAMAGED
NUMBER OF BOLLARDS:		
BOLLARD CONDITION:	<input type="checkbox"/> NOT PRESENT	<input type="checkbox"/> STILL PLUMB <input type="checkbox"/> DAMAGED: _____
CASING DIAMETER:	<input type="checkbox"/> 2"	<input type="checkbox"/> 4" <input checked="" type="checkbox"/> 6"
	<input type="checkbox"/> 8"	<input type="checkbox"/> OTHER: _____
IS THE CASING IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
IS THERE A CAP ON THE MONITORING WELL?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF CAP:	<input type="checkbox"/> PVC SLIP CAP	<input type="checkbox"/> J-PLUG <input type="checkbox"/> EXPANSION
	<input checked="" type="checkbox"/> PRODUCTION W/TUBING	<input checked="" type="checkbox"/> OTHER: <u>Vault</u>
LOCK MATERIAL:	<input checked="" type="checkbox"/> BRASS	<input type="checkbox"/> STAINLESS STEEL <input type="checkbox"/> OTHER: _____
LOCK SHANK LENGTH (estimated):	<u>2 7/16</u> INCHES	
LOCK LOCATION:	<input type="checkbox"/> WELL CAP	<input type="checkbox"/> MONUMENT <input type="checkbox"/> BOTH
ANY EVIDENCE OF TAMPERING WITH THE WELL CASING OR CAP?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
ANY ODORS?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
IF YES, DESCRIBE ODOR:	<input type="checkbox"/> SOLVENT	<input type="checkbox"/> HYDROGEN SULFIDE/ROTTEN EGGS
	<input type="checkbox"/> PETROLEUM	<input type="checkbox"/> OTHER: _____
WERE PICTURES TAKEN?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO

COMMON DEFICIENCIES

COMMON DEFICIENCIES:	<input type="checkbox"/> MISSING LOCK	<input type="checkbox"/> RUSTY STICK-UP
	<input type="checkbox"/> RUSTY BOLLARDS	<input type="checkbox"/> MISSING BOLTS
		NUMBER OF BOLTS MISSING: _____

ADDITIONAL NOTES OR COMMENTS ON CONDITION

New lock installed on gate fencing

GENERAL CONDITION (CHECK ONE):

☒ GOOD

☐ MODERATE

☐ POOR



NAS Whidbey Island
Oak Harbor, WA
Naval Facilities Engineering Command Northwest

GROUNDWATER MONITORING WELL VISUAL INSPECTION CHECKLIST

DATE(S) (MM/DD/YY): 10/16/2021	TIME (HH:MM): 1403	WEATHER/TEMPERATURE: Cloudy 50°
INSPECTOR(S): Alex McCarthy, Jeff Fellers		COMPANY: Liberty JV.
OU AND SITE: OUI Area 6	DESCRIPTION: LANDFILL	
WELL ID: PW-4	NORTHING: 484919.327	EASTING: 1201017.543

INSPECTION CHECKLIST

MONITORING WELL LOCATED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
WELL CLEARLY LABELED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
MONUMENT IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF WELL CASING:	<input type="checkbox"/> STICK-UP	<input type="checkbox"/> FLUSH-MOUNT <input checked="" type="checkbox"/> OTHER: Vault Production Well
SIZE & NUMBER OF BOLTS ON FLUSH-MOUNT LID:		
SURROUNDING SURFACE MATERIAL:	<input type="checkbox"/> CONCRETE	<input type="checkbox"/> ASPHALT <input checked="" type="checkbox"/> SOIL - gravel
CONCRETE APRON:	<input type="checkbox"/> OTHER: _____	<input type="checkbox"/> SLOPING AWAY
LID CONDITION (STICKUP WELL ONLY):	<input type="checkbox"/> NOT PRESENT	<input type="checkbox"/> DAMAGED
NUMBER OF BOLLARDS:		
BOLLARD CONDITION:	<input type="checkbox"/> NOT PRESENT	<input type="checkbox"/> STILL PLUMB <input type="checkbox"/> DAMAGED: _____
CASING DIAMETER:	<input type="checkbox"/> 2"	<input type="checkbox"/> 4" <input checked="" type="checkbox"/> 6"
	<input type="checkbox"/> 8"	<input type="checkbox"/> OTHER: _____
IS THE CASING IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
IS THERE A CAP ON THE MONITORING WELL?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF CAP:	<input type="checkbox"/> PVC SLIP CAP	<input type="checkbox"/> J-PLUG <input type="checkbox"/> EXPANSION
	<input checked="" type="checkbox"/> PRODUCTION W/TUBING	<input type="checkbox"/> OTHER: _____
LOCK MATERIAL:	<input checked="" type="checkbox"/> BRASS	<input type="checkbox"/> STAINLESS STEEL <input type="checkbox"/> OTHER: _____
LOCK SHANK LENGTH (estimated):	2 3/16 INCHES	
LOCK LOCATION:	<input type="checkbox"/> WELL CAP	<input type="checkbox"/> MONUMENT <input type="checkbox"/> BOTH
ANY EVIDENCE OF TAMPERING WITH THE WELL CASING OR CAP?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
ANY ODORS?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
IF YES, DESCRIBE ODOR:	<input type="checkbox"/> SOLVENT	<input type="checkbox"/> HYDROGEN SULFIDE/ROTTEN EGGS
	<input type="checkbox"/> PETROLEUM	<input type="checkbox"/> OTHER: _____
WERE PICTURES TAKEN?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO

COMMON DEFICIENCIES

COMMON DEFICIENCIES:	<input type="checkbox"/> MISSING LOCK	<input type="checkbox"/> RUSTY STICK-UP
	<input type="checkbox"/> RUSTY BOLLARDS	<input type="checkbox"/> MISSING BOLTS
	NUMBER OF BOLTS MISSING: _____	

ADDITIONAL NOTES OR COMMENTS ON CONDITION

3x New locks installed on perimeter fencing

GENERAL CONDITION (CHECK ONE): ☒ GOOD ☐ MODERATE ☐ POOR



NAS Whidbey Island
Oak Harbor, WA
Naval Facilities Engineering Command Northwest

GROUNDWATER MONITORING WELL VISUAL INSPECTION CHECKLIST

DATE(S) (MM/DD/YY): 10/16/2021	TIME (HH:MM): 1321	WEATHER/TEMPERATURE: Cloudy 50"
INSPECTOR(S): Alex McCarty, Jeff Fellers		COMPANY: Liberty SV.
OU AND SITE: OUI AREA 6	DESCRIPTION: Landfill	
WELL ID: PW-5	NORTHING: 485475.157	EASTING: 1200440.757

INSPECTION CHECKLIST

MONITORING WELL LOCATED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
WELL CLEARLY LABELED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
MONUMENT IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF WELL CASING:	<input type="checkbox"/> STICK-UP	<input type="checkbox"/> FLUSH-MOUNT <input checked="" type="checkbox"/> OTHER: Vault Production Well
SIZE & NUMBER OF BOLTS ON FLUSH-MOUNT LID:		
SURROUNDING SURFACE MATERIAL:	<input type="checkbox"/> CONCRETE	<input type="checkbox"/> ASPHALT <input checked="" type="checkbox"/> SOIL - gravel
CONCRETE APRON:	<input type="checkbox"/> OTHER: _____	<input type="checkbox"/> SLOPING AWAY <input type="checkbox"/> SUNKEN
LID CONDITION (STICKUP WELL ONLY):	<input type="checkbox"/> NOT PRESENT	<input type="checkbox"/> DAMAGED
NUMBER OF BOLLARDS:		
BOLLARD CONDITION:	<input type="checkbox"/> NOT PRESENT	<input type="checkbox"/> STILL PLUMB <input type="checkbox"/> DAMAGED: _____
CASING DIAMETER:	<input type="checkbox"/> 2" <input type="checkbox"/> 4" <input type="checkbox"/> 6" <input type="checkbox"/> 8" <input type="checkbox"/> OTHER: _____	
IS THE CASING IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
IS THERE A CAP ON THE MONITORING WELL?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF CAP:	<input type="checkbox"/> PVC SLIP CAP <input checked="" type="checkbox"/> PRODUCTION W/TUBING	<input type="checkbox"/> J-PLUG <input type="checkbox"/> EXPANSION <input type="checkbox"/> OTHER: _____
LOCK MATERIAL:	<input checked="" type="checkbox"/> BRASS	<input type="checkbox"/> STAINLESS STEEL <input type="checkbox"/> OTHER: _____
LOCK SHANK LENGTH (estimated):	27/16 INCHES	
LOCK LOCATION:	<input type="checkbox"/> WELL CAP	<input type="checkbox"/> MONUMENT <input type="checkbox"/> BOTH
ANY EVIDENCE OF TAMPERING WITH THE WELL CASING OR CAP?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
ANY ODORS?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
IF YES, DESCRIBE ODOR:	<input type="checkbox"/> SOLVENT <input type="checkbox"/> PETROLEUM	<input type="checkbox"/> HYDROGEN SULFIDE/ROTTEN EGGS <input type="checkbox"/> OTHER: _____
WERE PICTURES TAKEN?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO

COMMON DEFICIENCIES

COMMON DEFICIENCIES:	<input type="checkbox"/> MISSING LOCK <input type="checkbox"/> RUSTY BOLLARDS	<input type="checkbox"/> RUSTY STICK-UP <input type="checkbox"/> MISSING BOLTS
	NUMBER OF BOLTS MISSING: _____	

ADDITIONAL NOTES OR COMMENTS ON CONDITION

New lock installed on perimeter fence

GENERAL CONDITION (CHECK ONE): ☒ GOOD ☐ MODERATE ☐ POOR



NAS Whidbey Island
Oak Harbor, WA
Naval Facilities Engineering Command Northwest

GROUNDWATER MONITORING WELL VISUAL INSPECTION CHECKLIST

DATE(S) (MM/DD/YY): <u>10/16/2021</u>	TIME (HH:MM): <u>1327</u>	WEATHER/TEMPERATURE: <u>Cloudy 50°</u>
INSPECTOR(S): <u>Alex McCarthy, Jeff Fetters</u>		COMPANY: <u>Liberty JV</u>
OU AND SITE: <u>OUI AREA 6</u>	DESCRIPTION: <u>Landfill</u>	
WELL ID: <u>PW-6</u>	NORTHING: <u>4185485.00</u>	EASTING: <u>1200675.00</u>

INSPECTION CHECKLIST

MONITORING WELL LOCATED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
WELL CLEARLY LABELED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
MONUMENT IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF WELL CASING:	<input type="checkbox"/> STICK-UP	<input type="checkbox"/> FLUSH-MOUNT <input checked="" type="checkbox"/> OTHER: <u>Vault</u>
SIZE & NUMBER OF BOLTS ON FLUSH-MOUNT LID:		<input checked="" type="checkbox"/> SOIL - <u>Production Well</u>
SURROUNDING SURFACE MATERIAL:	<input type="checkbox"/> CONCRETE	<input type="checkbox"/> ASPHALT
CONCRETE APRON:	<input type="checkbox"/> OTHER: _____	<input checked="" type="checkbox"/> SOIL - <u>gamed</u>
LID CONDITION (STICKUP WELL ONLY):	<input type="checkbox"/> NOT PRESENT	<input type="checkbox"/> SLOPING AWAY
NUMBER OF BOLLARDS:	<input type="checkbox"/> INTACT AND LOCKABLE	<input type="checkbox"/> DAMAGED
BOLLARD CONDITION:	<input type="checkbox"/> NOT PRESENT	<input type="checkbox"/> STILL PLUMB
CASING DIAMETER:	<input type="checkbox"/> 2"	<input type="checkbox"/> 4"
	<input type="checkbox"/> 8"	<input checked="" type="checkbox"/> 6"
IS THE CASING IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
IS THERE A CAP ON THE MONITORING WELL?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF CAP:	<input type="checkbox"/> PVC SLIP CAP	<input type="checkbox"/> J-PLUG
	<input checked="" type="checkbox"/> PRODUCTION W/TUBING	<input type="checkbox"/> OTHER: _____
LOCK MATERIAL:	<input checked="" type="checkbox"/> BRASS	<input type="checkbox"/> STAINLESS STEEL
LOCK SHANK LENGTH (estimated):	<u>27/16</u> INCHES	<input type="checkbox"/> OTHER: _____
LOCK LOCATION:	<input type="checkbox"/> WELL CAP	<input type="checkbox"/> MONUMENT
ANY EVIDENCE OF TAMPERING WITH THE WELL CASING OR CAP?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
ANY ODORS?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
IF YES, DESCRIBE ODOR:	<input type="checkbox"/> SOLVENT	<input type="checkbox"/> HYDROGEN SULFIDE/ROTTEN EGGS
	<input type="checkbox"/> PETROLEUM	<input type="checkbox"/> OTHER: _____
WERE PICTURES TAKEN?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO

COMMON DEFICIENCIES

COMMON DEFICIENCIES:	<input type="checkbox"/> MISSING LOCK	<input type="checkbox"/> RUSTY STICK-UP
	<input type="checkbox"/> RUSTY BOLLARDS	<input type="checkbox"/> MISSING BOLTS
		NUMBER OF BOLTS MISSING: _____

ADDITIONAL NOTES OR COMMENTS ON CONDITION

New lock installed on perimeter fence

GENERAL CONDITION (CHECK ONE): ☒ GOOD ☐ MODERATE ☐ POOR



NAS Whidbey Island
Oak Harbor, WA
Naval Facilities Engineering Command Northwest

GROUNDWATER MONITORING WELL VISUAL INSPECTION CHECKLIST

DATE(S) (MM/DD/YY): 10/16/2021	TIME (HH:MM): 1332	WEATHER/TEMPERATURE: Cloudy 50°
INSPECTOR(S): Alex McParthy, Jeff Feltner		COMPANY: Liberty JV.
OU AND SITE: OUI AREA 6	DESCRIPTION: LANDFILL	
WELL ID: PW-7	NORTHING: 485453.232	EASTING: 1200878.921

INSPECTION CHECKLIST

MONITORING WELL LOCATED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
WELL CLEARLY LABELED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
MONUMENT IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF WELL CASING:	<input type="checkbox"/> STICK-UP	<input type="checkbox"/> FLUSH-MOUNT <input checked="" type="checkbox"/> OTHER: Vault Production Well
SIZE & NUMBER OF BOLTS ON FLUSH-MOUNT LID:		
SURROUNDING SURFACE MATERIAL:	<input type="checkbox"/> CONCRETE	<input type="checkbox"/> ASPHALT <input checked="" type="checkbox"/> SOIL - gravel
	<input type="checkbox"/> OTHER: _____	
CONCRETE APRON:	<input type="checkbox"/> NOT PRESENT	<input type="checkbox"/> SLOPING AWAY <input type="checkbox"/> SUNKEN
LID CONDITION (STICKUP WELL ONLY):	<input type="checkbox"/> INTACT AND LOCKABLE	<input type="checkbox"/> DAMAGED
NUMBER OF BOLLARDS:	_____	
BOLLARD CONDITION:	<input type="checkbox"/> NOT PRESENT	<input type="checkbox"/> STILL PLUMB <input type="checkbox"/> DAMAGED: _____
CASING DIAMETER:	<input type="checkbox"/> 2"	<input type="checkbox"/> 4" <input checked="" type="checkbox"/> 6"
	<input type="checkbox"/> 8"	<input type="checkbox"/> OTHER: _____
IS THE CASING IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
IS THERE A CAP ON THE MONITORING WELL?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF CAP:	<input type="checkbox"/> PVC SLIP CAP	<input type="checkbox"/> J-PLUG <input type="checkbox"/> EXPANSION
	<input checked="" type="checkbox"/> PRODUCTION W/TUBING	<input type="checkbox"/> OTHER: _____
LOCK MATERIAL:	<input checked="" type="checkbox"/> BRASS	<input type="checkbox"/> STAINLESS STEEL <input type="checkbox"/> OTHER: _____
LOCK SHANK LENGTH (estimated):	2 7/16 INCHES	
LOCK LOCATION:	<input type="checkbox"/> WELL CAP	<input type="checkbox"/> MONUMENT <input type="checkbox"/> BOTH
ANY EVIDENCE OF TAMPERING WITH THE WELL CASING OR CAP?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
ANY ODORS?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
IF YES, DESCRIBE ODOR:	<input type="checkbox"/> SOLVENT	<input type="checkbox"/> HYDROGEN SULFIDE/ROTTEN EGGS
	<input type="checkbox"/> PETROLEUM	<input type="checkbox"/> OTHER: _____
WERE PICTURES TAKEN?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO

COMMON DEFICIENCIES

COMMON DEFICIENCIES:	<input type="checkbox"/> MISSING LOCK	<input type="checkbox"/> RUSTY STICK-UP
	<input type="checkbox"/> RUSTY BOLLARDS	<input type="checkbox"/> MISSING BOLTS
	NUMBER OF BOLTS MISSING: _____	

ADDITIONAL NOTES OR COMMENTS ON CONDITION

New lock installed on perimeter fence

GENERAL CONDITION (CHECK ONE): ☒ GOOD ☐ MODERATE ☐ POOR



NAS Whidbey Island
Oak Harbor, WA
Naval Facilities Engineering Command Northwest

GROUNDWATER MONITORING WELL VISUAL INSPECTION CHECKLIST

DATE(S) (MM/DD/YY): 10/16/2021	TIME (HH:MM): 1448	WEATHER/TEMPERATURE: Cloudy 50°
INSPECTOR(S): Alex McCarthy, Jeff Fellers		COMPANY: Liberty JV.
OU AND SITE: OUI AREA 6	DESCRIPTION: LANDFILL	
WELL ID: PW-9	NORTHING: 485195.00	EASTING: 1201385.00

INSPECTION CHECKLIST

MONITORING WELL LOCATED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
WELL CLEARLY LABELED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
MONUMENT IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF WELL CASING:	<input type="checkbox"/> STICK-UP	<input type="checkbox"/> FLUSH-MOUNT <input checked="" type="checkbox"/> OTHER: VAWT Production Well
SIZE & NUMBER OF BOLTS ON FLUSH-MOUNT LID:		
SURROUNDING SURFACE MATERIAL:	<input type="checkbox"/> CONCRETE	<input type="checkbox"/> ASPHALT <input checked="" type="checkbox"/> SOIL - gravel
CONCRETE APRON:	<input type="checkbox"/> OTHER: _____	
LID CONDITION (STICKUP WELL ONLY):	<input type="checkbox"/> NOT PRESENT	<input type="checkbox"/> SLOPING AWAY <input type="checkbox"/> SUNKEN
	<input type="checkbox"/> INTACT AND LOCKABLE	<input type="checkbox"/> DAMAGED
NUMBER OF BOLLARDS:		
BOLLARD CONDITION:	<input type="checkbox"/> NOT PRESENT	<input type="checkbox"/> STILL PLUMB <input type="checkbox"/> DAMAGED: _____
CASING DIAMETER:	<input type="checkbox"/> 2"	<input type="checkbox"/> 4" <input checked="" type="checkbox"/> 6"
	<input type="checkbox"/> 8"	<input type="checkbox"/> OTHER: _____
IS THE CASING IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
IS THERE A CAP ON THE MONITORING WELL?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF CAP:	<input type="checkbox"/> PVC SLIP CAP	<input type="checkbox"/> J-PLUG <input type="checkbox"/> EXPANSION
	<input checked="" type="checkbox"/> PRODUCTION W/TUBING	<input type="checkbox"/> OTHER: _____
LOCK MATERIAL:	<input checked="" type="checkbox"/> BRASS	<input type="checkbox"/> STAINLESS STEEL <input type="checkbox"/> OTHER: _____
LOCK SHANK LENGTH (estimated):	2 7/16 INCHES	
LOCK LOCATION:	<input type="checkbox"/> WELL CAP	<input type="checkbox"/> MONUMENT <input type="checkbox"/> BOTH
ANY EVIDENCE OF TAMPERING WITH THE WELL CASING OR CAP?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
ANY ODORS?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
IF YES, DESCRIBE ODOR:	<input type="checkbox"/> SOLVENT	<input type="checkbox"/> HYDROGEN SULFIDE/ROTTEN EGGS
	<input type="checkbox"/> PETROLEUM	<input type="checkbox"/> OTHER: _____
WERE PICTURES TAKEN?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO

COMMON DEFICIENCIES

COMMON DEFICIENCIES:	<input type="checkbox"/> MISSING LOCK	<input type="checkbox"/> RUSTY STICK-UP
	<input type="checkbox"/> RUSTY BOLLARDS	<input type="checkbox"/> MISSING BOLTS
	NUMBER OF BOLTS MISSING: _____	

ADDITIONAL NOTES OR COMMENTS ON CONDITION

New lock installed on perimeter fence

GENERAL CONDITION (CHECK ONE): ☒ GOOD ☐ MODERATE ☐ POOR



NAS Whidbey Island
Oak Harbor, WA
Naval Facilities Engineering Command Northwest

GROUNDWATER MONITORING WELL VISUAL INSPECTION CHECKLIST

DATE(S) (MM/DD/YY): <u>10/16/2021</u>	TIME (HH:MM): <u>1437</u>	WEATHER/TEMPERATURE: <u>Cloudy 50°</u>
INSPECTOR(S): <u>Alex McCarthy</u> <u>Jeff Fellers</u>	COMPANY: <u>Liberty JV.</u>	
OU AND SITE: <u>OU Area 6</u>	DESCRIPTION: <u>Landfill</u>	
WELL ID: <u>PW-9</u>	NORTHING: <u>484913.794</u>	EASTING: <u>1201575.322</u>

INSPECTION CHECKLIST

MONITORING WELL LOCATED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
WELL CLEARLY LABELED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
MONUMENT IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF WELL CASING:	<input type="checkbox"/> STICK-UP	<input type="checkbox"/> FLUSH-MOUNT <input checked="" type="checkbox"/> OTHER: <u>Vault Production Well</u>
SIZE & NUMBER OF BOLTS ON FLUSH-MOUNT LID:		
SURROUNDING SURFACE MATERIAL:	<input type="checkbox"/> CONCRETE	<input type="checkbox"/> ASPHALT <input checked="" type="checkbox"/> SOIL - gravel
CONCRETE APRON:	<input type="checkbox"/> OTHER: _____	<input type="checkbox"/> SLOPING AWAY
LID CONDITION (STICKUP WELL ONLY):	<input type="checkbox"/> NOT PRESENT	<input type="checkbox"/> DAMAGED
NUMBER OF BOLLARDS:		
BOLLARD CONDITION:	<input type="checkbox"/> NOT PRESENT	<input type="checkbox"/> STILL PLUMB <input type="checkbox"/> DAMAGED: _____
CASING DIAMETER:	<input type="checkbox"/> 2"	<input type="checkbox"/> 4" <input checked="" type="checkbox"/> 6"
	<input type="checkbox"/> 8"	<input type="checkbox"/> OTHER: _____
IS THE CASING IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
IS THERE A CAP ON THE MONITORING WELL?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF CAP:	<input type="checkbox"/> PVC SLIP CAP	<input type="checkbox"/> J-PLUG <input type="checkbox"/> EXPANSION
	<input checked="" type="checkbox"/> PRODUCTION W/TUBING	<input type="checkbox"/> OTHER: _____
LOCK MATERIAL:	<input checked="" type="checkbox"/> BRASS	<input type="checkbox"/> STAINLESS STEEL <input type="checkbox"/> OTHER: _____
LOCK SHANK LENGTH (estimated):	<u>2 7/16</u> INCHES	
LOCK LOCATION:	<input type="checkbox"/> WELL CAP	<input type="checkbox"/> MONUMENT <input type="checkbox"/> BOTH
ANY EVIDENCE OF TAMPERING WITH THE WELL CASING OR CAP?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
ANY ODORS?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
IF YES, DESCRIBE ODOR:	<input type="checkbox"/> SOLVENT	<input type="checkbox"/> HYDROGEN SULFIDE/ROTTEN EGGS
	<input type="checkbox"/> PETROLEUM	<input type="checkbox"/> OTHER: _____
WERE PICTURES TAKEN?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO

COMMON DEFICIENCIES

COMMON DEFICIENCIES:	<input type="checkbox"/> MISSING LOCK	<input type="checkbox"/> RUSTY STICK-UP
	<input type="checkbox"/> RUSTY BOLLARDS	<input type="checkbox"/> MISSING BOLTS
	NUMBER OF BOLTS MISSING: _____	

ADDITIONAL NOTES OR COMMENTS ON CONDITION

New lock installed on perimeter fencing.

GENERAL CONDITION (CHECK ONE):

☒ GOOD

☐ MODERATE

☐ POOR



NAS Whidbey Island
Oak Harbor, WA
Naval Facilities Engineering Command Northwest

GROUNDWATER MONITORING WELL VISUAL INSPECTION CHECKLIST

DATE(S) (MM/DD/YY): <u>10/14/2021</u>	TIME (HH:MM): <u>1627</u>	WEATHER/TEMPERATURE: <u>Cloudy 50°</u>
INSPECTOR(S): <u>Alex McEnthy, Jeff Fetters</u>		COMPANY: <u>Liberty JV</u>
OU AND SITE: <u>OU1 Area 6</u>	DESCRIPTION: <u>landfill</u>	
WELL ID: <u>PN-10</u>	NORTHING: <u>485380.232</u>	EASTING: <u>1201035.655</u>

INSPECTION CHECKLIST

MONITORING WELL LOCATED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
WELL CLEARLY LABELED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
MONUMENT IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF WELL CASING:	<input checked="" type="checkbox"/> STICK-UP	<input type="checkbox"/> FLUSH-MOUNT <input type="checkbox"/> OTHER:
SIZE & NUMBER OF BOLTS ON FLUSH-MOUNT LID:		
SURROUNDING SURFACE MATERIAL:	<input type="checkbox"/> CONCRETE	<input type="checkbox"/> ASPHALT <input checked="" type="checkbox"/> SOIL
CONCRETE APRON:	<input type="checkbox"/> OTHER: _____	
LID CONDITION (STICKUP WELL ONLY):	<input type="checkbox"/> NOT PRESENT	<input checked="" type="checkbox"/> SLOPING AWAY <input type="checkbox"/> SUNKEN
	<input checked="" type="checkbox"/> INTACT AND LOCKABLE	<input type="checkbox"/> DAMAGED
NUMBER OF BOLLARDS:	<u>3</u>	
BOLLARD CONDITION:	<input type="checkbox"/> NOT PRESENT	<input checked="" type="checkbox"/> STILL PLUMB <input type="checkbox"/> DAMAGED: _____
CASING DIAMETER:	<input type="checkbox"/> 2" <input type="checkbox"/> 4" <input type="checkbox"/> 6" <input checked="" type="checkbox"/> OTHER: <u>10"</u>	
IS THE CASING IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
IS THERE A CAP ON THE MONITORING WELL?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF CAP:	<input type="checkbox"/> PVC SLIP CAP <input type="checkbox"/> J-PLUG <input type="checkbox"/> EXPANSION	
	<input type="checkbox"/> PRODUCTION W/TUBING	<input checked="" type="checkbox"/> OTHER: <u>Monument cap.</u>
LOCK MATERIAL:	<input checked="" type="checkbox"/> BRASS	<input type="checkbox"/> STAINLESS STEEL <input type="checkbox"/> OTHER: _____
LOCK SHANK LENGTH (estimated):	<u>2 3/16</u> INCHES	
LOCK LOCATION:	<input type="checkbox"/> WELL CAP	<input checked="" type="checkbox"/> MONUMENT <input type="checkbox"/> BOTH
ANY EVIDENCE OF TAMPERING WITH THE WELL CASING OR CAP?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
ANY ODORS?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
IF YES, DESCRIBE ODOR:	<input type="checkbox"/> SOLVENT <input type="checkbox"/> HYDROGEN SULFIDE/ROTTEN EGGS	
	<input type="checkbox"/> PETROLEUM	<input type="checkbox"/> OTHER: _____
WERE PICTURES TAKEN?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO

COMMON DEFICIENCIES

COMMON DEFICIENCIES:	<input type="checkbox"/> MISSING LOCK	<input type="checkbox"/> RUSTY STICK-UP
	<input type="checkbox"/> RUSTY BOLLARDS	<input type="checkbox"/> MISSING BOLTS
	NUMBER OF BOLTS MISSING: _____	

ADDITIONAL NOTES OR COMMENTS ON CONDITION

New lock installed

GENERAL CONDITION (CHECK ONE): ☒ GOOD ☐ MODERATE ☐ POOR



NAS Whidbey Island
Oak Harbor, WA
Naval Facilities Engineering Command Northwest

GROUNDWATER MONITORING WELL VISUAL INSPECTION CHECKLIST

DATE(S) (MM/DD/YY): <u>10/16/2021</u>	TIME (HH:MM): <u>1358</u>	WEATHER/TEMPERATURE: <u>Cloudy 50°</u>
INSPECTOR(S): <u>Alex McEnty, Jeff Fetters</u>		COMPANY: <u>Liberty JV.</u>
OU AND SITE: <u>OWI Area 6</u>	DESCRIPTION: <u>LANDFILL</u>	
WELL ID: <u>MW-5</u>	NORTHING: <u>485272.249</u>	EASTING: <u>1200715.752</u>

INSPECTION CHECKLIST

MONITORING WELL LOCATED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
WELL CLEARLY LABELED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
MONUMENT IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF WELL CASING:	<input checked="" type="checkbox"/> STICK-UP	<input type="checkbox"/> FLUSH-MOUNT <input type="checkbox"/> OTHER:
SIZE & NUMBER OF BOLTS ON FLUSH-MOUNT LID:		
SURROUNDING SURFACE MATERIAL:	<input type="checkbox"/> CONCRETE	<input type="checkbox"/> ASPHALT <input checked="" type="checkbox"/> SOIL
	<input type="checkbox"/> OTHER:	
CONCRETE APRON:	<input type="checkbox"/> NOT PRESENT	<input checked="" type="checkbox"/> SLOPING AWAY <input type="checkbox"/> SUNKEN
LID CONDITION (STICKUP WELL ONLY):	<input checked="" type="checkbox"/> INTACT AND LOCKABLE	<input type="checkbox"/> DAMAGED
NUMBER OF BOLLARDS:	<u>3</u>	
BOLLARD CONDITION:	<input type="checkbox"/> NOT PRESENT	<input checked="" type="checkbox"/> STILL PLUMB <input type="checkbox"/> DAMAGED: _____
CASING DIAMETER:	<input checked="" type="checkbox"/> 2"	<input type="checkbox"/> 4" <input type="checkbox"/> 6"
	<input type="checkbox"/> 8"	<input type="checkbox"/> OTHER: _____
IS THE CASING IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
IS THERE A CAP ON THE MONITORING WELL?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF CAP:	<input type="checkbox"/> PVC SLIP CAP	<input checked="" type="checkbox"/> J-PLUG <input type="checkbox"/> EXPANSION
	<input type="checkbox"/> PRODUCTION W/TUBING	<input type="checkbox"/> OTHER: _____
LOCK MATERIAL:	<input checked="" type="checkbox"/> BRASS	<input type="checkbox"/> STAINLESS STEEL <input type="checkbox"/> OTHER: _____
LOCK SHANK LENGTH (estimated):	<u>2 7/16</u> INCHES	
LOCK LOCATION:	<input checked="" type="checkbox"/> WELL CAP	<input type="checkbox"/> MONUMENT <input type="checkbox"/> BOTH
ANY EVIDENCE OF TAMPERING WITH THE WELL CASING OR CAP?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
ANY ODORS?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
IF YES, DESCRIBE ODOR:	<input type="checkbox"/> SOLVENT	<input type="checkbox"/> HYDROGEN SULFIDE/ROTTEN EGGS
	<input type="checkbox"/> PETROLEUM	<input type="checkbox"/> OTHER: _____
WERE PICTURES TAKEN?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO

COMMON DEFICIENCIES

COMMON DEFICIENCIES:	<input type="checkbox"/> MISSING LOCK	<input type="checkbox"/> RUSTY STICK-UP
	<input type="checkbox"/> RUSTY BOLLARDS	<input type="checkbox"/> MISSING BOLTS
	NUMBER OF BOLTS MISSING: _____	

ADDITIONAL NOTES OR COMMENTS ON CONDITION

New lock installed on well cap. - Monument did does not accommodate new lock shank length

GENERAL CONDITION (CHECK ONE): ☒ GOOD ☐ MODERATE ☐ POOR



NAS Whidbey Island
Oak Harbor, WA
Naval Facilities Engineering Command Northwest

GROUNDWATER MONITORING WELL VISUAL INSPECTION CHECKLIST

DATE(S) (MM/DD/YY): <u>10/16/2021</u>	TIME (HH:MM): <u>1256</u>	WEATHER/TEMPERATURE: <u>Cloudy 50°</u>
INSPECTOR(S): <u>Alex McCortly, Jeff Felters</u>		COMPANY: <u>Liberty JV.</u>
OU AND SITE: <u>OU1 AREA 6</u>	DESCRIPTION: <u>LANDFILL</u>	
WELL ID: <u>MW-7</u>	NORTHING: <u>487090.00</u>	EASTING: <u>1200440.00</u>

INSPECTION CHECKLIST

MONITORING WELL LOCATED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
WELL CLEARLY LABELED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
MONUMENT IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF WELL CASING:	<input checked="" type="checkbox"/> STICK-UP	<input type="checkbox"/> FLUSH-MOUNT <input type="checkbox"/> OTHER:
SIZE & NUMBER OF BOLTS ON FLUSH-MOUNT LID:		
SURROUNDING SURFACE MATERIAL:	<input type="checkbox"/> CONCRETE	<input type="checkbox"/> ASPHALT <input checked="" type="checkbox"/> SOIL
CONCRETE APRON:	<input type="checkbox"/> OTHER: _____	<input checked="" type="checkbox"/> SLOPING AWAY <input type="checkbox"/> SUNKEN
LID CONDITION (STICKUP WELL ONLY):	<input checked="" type="checkbox"/> INTACT AND LOCKABLE	<input type="checkbox"/> DAMAGED
NUMBER OF BOLLARDS:	<u>3</u>	
BOLLARD CONDITION:	<input type="checkbox"/> NOT PRESENT	<input checked="" type="checkbox"/> STILL PLUMB <input type="checkbox"/> DAMAGED: _____
CASING DIAMETER:	<input type="checkbox"/> 2" <input type="checkbox"/> 8"	<input checked="" type="checkbox"/> 4" <input type="checkbox"/> 6" <input type="checkbox"/> OTHER: _____
IS THE CASING IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
IS THERE A CAP ON THE MONITORING WELL?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF CAP:	<input type="checkbox"/> PVC SLIP CAP <input checked="" type="checkbox"/> J-PLUG	<input type="checkbox"/> EXPANSION
	<input type="checkbox"/> PRODUCTION W/TUBING	<input type="checkbox"/> OTHER: _____
LOCK MATERIAL:	<input checked="" type="checkbox"/> BRASS	<input type="checkbox"/> STAINLESS STEEL <input type="checkbox"/> OTHER: _____
LOCK SHANK LENGTH (estimated):	<u>2 7/16</u> INCHES	
LOCK LOCATION:	<input type="checkbox"/> WELL CAP	<input checked="" type="checkbox"/> MONUMENT <input type="checkbox"/> BOTH
ANY EVIDENCE OF TAMPERING WITH THE WELL CASING OR CAP?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
ANY ODORS?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
IF YES, DESCRIBE ODOR:	<input type="checkbox"/> SOLVENT <input type="checkbox"/> HYDROGEN SULFIDE/ROTTEN EGGS	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> PETROLEUM	<input type="checkbox"/> OTHER: _____
WERE PICTURES TAKEN?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO

COMMON DEFICIENCIES

COMMON DEFICIENCIES:	<input type="checkbox"/> MISSING LOCK	<input checked="" type="checkbox"/> RUSTY STICK-UP .. cap is rusted through
	<input type="checkbox"/> RUSTY BOLLARDS	<input type="checkbox"/> MISSING BOLTS
		NUMBER OF BOLTS MISSING: _____

ADDITIONAL NOTES OR COMMENTS ON CONDITION

New lock installed.

GENERAL CONDITION (CHECK ONE):	<input type="checkbox"/> GOOD	<input checked="" type="checkbox"/> MODERATE	<input type="checkbox"/> POOR
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NAS Whidbey Island
Oak Harbor, WA
Naval Facilities Engineering Command Northwest

GROUNDWATER MONITORING WELL VISUAL INSPECTION CHECKLIST

DATE(S) (MM/DD/YY): <u>10/16/2021</u>	TIME (HH:MM): <u>1444</u>	WEATHER/TEMPERATURE: <u>Cloudy 50°</u>
INSPECTOR(S): <u>Alex McCarthy, Jeff Fellers</u>		COMPANY: <u>Liberty JV.</u>
OU AND SITE: <u>OUI Area 6</u>	DESCRIPTION: <u>LANDFILL</u>	
WELL ID: <u>MW-9</u>	NORTHING: <u>485144.491</u>	EASTING: <u>1201754.341</u>

INSPECTION CHECKLIST

MONITORING WELL LOCATED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
WELL CLEARLY LABELED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
MONUMENT IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF WELL CASING:	<input checked="" type="checkbox"/> STICK-UP	<input type="checkbox"/> FLUSH-MOUNT <input type="checkbox"/> OTHER:
SIZE & NUMBER OF BOLTS ON FLUSH-MOUNT LID:		
SURROUNDING SURFACE MATERIAL:	<input type="checkbox"/> CONCRETE	<input type="checkbox"/> ASPHALT <input checked="" type="checkbox"/> SOIL
	<input type="checkbox"/> OTHER:	
CONCRETE APRON:	<input type="checkbox"/> NOT PRESENT	<input checked="" type="checkbox"/> SLOPING AWAY <input type="checkbox"/> SUNKEN
LID CONDITION (STICKUP WELL ONLY):	<input checked="" type="checkbox"/> INTACT AND LOCKABLE	<input type="checkbox"/> DAMAGED
NUMBER OF BOLLARDS:	<u>3</u>	
BOLLARD CONDITION:	<input type="checkbox"/> NOT PRESENT	<input checked="" type="checkbox"/> STILL PLUMB <input type="checkbox"/> DAMAGED: _____
CASING DIAMETER:	<input type="checkbox"/> 2" <input type="checkbox"/> 8"	<input checked="" type="checkbox"/> 4" <input type="checkbox"/> 6" <input type="checkbox"/> OTHER: _____
IS THE CASING IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
IS THERE A CAP ON THE MONITORING WELL?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF CAP:	<input type="checkbox"/> PVC SLIP CAP <input type="checkbox"/> PRODUCTION W/TUBING	<input checked="" type="checkbox"/> J-PLUG <input type="checkbox"/> EXPANSION <input type="checkbox"/> OTHER: _____
LOCK MATERIAL:	<input checked="" type="checkbox"/> BRASS	<input type="checkbox"/> STAINLESS STEEL <input type="checkbox"/> OTHER: _____
LOCK SHANK LENGTH (estimated):	<u>2 7/16</u> INCHES	
LOCK LOCATION:	<input type="checkbox"/> WELL CAP	<input checked="" type="checkbox"/> MONUMENT <input type="checkbox"/> BOTH
ANY EVIDENCE OF TAMPERING WITH THE WELL CASING OR CAP?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
ANY ODORS?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
IF YES, DESCRIBE ODOR:	<input type="checkbox"/> SOLVENT <input type="checkbox"/> PETROLEUM	<input type="checkbox"/> HYDROGEN SULFIDE/ROTTEN EGGS <input type="checkbox"/> OTHER: _____
WERE PICTURES TAKEN?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO

COMMON DEFICIENCIES

COMMON DEFICIENCIES:	<input type="checkbox"/> MISSING LOCK <input type="checkbox"/> RUSTY STICK-UP
	<input type="checkbox"/> RUSTY BOLLARDS <input type="checkbox"/> MISSING BOLTS
	NUMBER OF BOLTS MISSING: _____

ADDITIONAL NOTES OR COMMENTS ON CONDITION

New lock installed.

GENERAL CONDITION (CHECK ONE): ☒ GOOD ☐ MODERATE ☐ POOR



NAS Whidbey Island
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GROUNDWATER MONITORING WELL VISUAL INSPECTION CHECKLIST

DATE(S) (MM/DD/YY): <u>10/16/2021</u>	TIME (HH:MM): <u>1624</u>	WEATHER/TEMPERATURE: <u>Cloudy 58°</u>
INSPECTOR(S): <u>Alex McCarthy, Jeff Fetters</u>		COMPANY: <u>Liberty JV.</u>
OU AND SITE: <u>AW Area 6</u>	DESCRIPTION: <u>LANDFILL</u>	
WELL ID: <u>MW-10</u>	NORTHING: <u>4186020.00</u>	EASTING: <u>1200965.00</u>

INSPECTION CHECKLIST

MONITORING WELL LOCATED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
WELL CLEARLY LABELED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
MONUMENT IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF WELL CASING:	<input checked="" type="checkbox"/> STICK-UP	<input type="checkbox"/> FLUSH-MOUNT <input type="checkbox"/> OTHER:
SIZE & NUMBER OF BOLTS ON FLUSH-MOUNT LID:		
SURROUNDING SURFACE MATERIAL:	<input type="checkbox"/> CONCRETE	<input type="checkbox"/> ASPHALT <input checked="" type="checkbox"/> SOIL
	<input type="checkbox"/> OTHER: _____	
CONCRETE APRON:	<input type="checkbox"/> NOT PRESENT	<input checked="" type="checkbox"/> SLOPING AWAY <input type="checkbox"/> SUNKEN
LID CONDITION (STICKUP WELL ONLY):	<input checked="" type="checkbox"/> INTACT AND LOCKABLE	<input type="checkbox"/> DAMAGED
NUMBER OF BOLLARDS:	<u>3</u>	
BOLLARD CONDITION:	<input type="checkbox"/> NOT PRESENT	<input checked="" type="checkbox"/> STILL PLUMB <input type="checkbox"/> DAMAGED: _____
CASING DIAMETER:	<input type="checkbox"/> 2" <input type="checkbox"/> 8"	<input checked="" type="checkbox"/> 4" <input type="checkbox"/> 6" <input type="checkbox"/> OTHER: _____
IS THE CASING IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
IS THERE A CAP ON THE MONITORING WELL?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF CAP:	<input type="checkbox"/> PVC SLIP CAP <input type="checkbox"/> PRODUCTION W/TUBING	<input checked="" type="checkbox"/> J-PLUG <input type="checkbox"/> EXPANSION <input type="checkbox"/> OTHER: _____
LOCK MATERIAL:	<input checked="" type="checkbox"/> BRASS	<input type="checkbox"/> STAINLESS STEEL <input type="checkbox"/> OTHER: _____
LOCK SHANK LENGTH (estimated):	<u>2 7/16</u> INCHES	
LOCK LOCATION:	<input type="checkbox"/> WELL CAP	<input checked="" type="checkbox"/> MONUMENT <input type="checkbox"/> BOTH
ANY EVIDENCE OF TAMPERING WITH THE WELL CASING OR CAP?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
ANY ODORS?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
IF YES, DESCRIBE ODOR:	<input type="checkbox"/> SOLVENT <input type="checkbox"/> PETROLEUM	<input type="checkbox"/> HYDROGEN SULFIDE/ROTTEN EGGS <input type="checkbox"/> OTHER: _____
WERE PICTURES TAKEN?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO

COMMON DEFICIENCIES

COMMON DEFICIENCIES:	<input type="checkbox"/> MISSING LOCK	<input type="checkbox"/> RUSTY STICK-UP
	<input type="checkbox"/> RUSTY BOLLARDS	<input type="checkbox"/> MISSING BOLTS
		NUMBER OF BOLTS MISSING: _____

ADDITIONAL NOTES OR COMMENTS ON CONDITION

New lock installed.

GENERAL CONDITION (CHECK ONE):

☒ GOOD

☐ MODERATE

☐ POOR



NAS Whidbey Island
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Naval Facilities Engineering Command Northwest

GROUNDWATER MONITORING WELL VISUAL INSPECTION CHECKLIST

DATE(S) (MM/DD/YY): <u>10/16/2021</u>	TIME (HH:MM): <u>1709</u>	WEATHER/TEMPERATURE: <u>Sunny 58°</u>
INSPECTOR(S): <u>Alex McCarthy, Jeff Fettes</u>		COMPANY: <u>Liberty JV</u>
OU AND SITE: <u>OU1 AREA 6</u>	DESCRIPTION: <u>LANDFILL</u>	
WELL ID: <u>MW-13</u>	NORTHING: <u>487459.108</u>	EASTING: <u>1203129.564</u>

INSPECTION CHECKLIST

MONITORING WELL LOCATED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
WELL CLEARLY LABELED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
MONUMENT IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF WELL CASING:	<input checked="" type="checkbox"/> STICK-UP	<input type="checkbox"/> FLUSH-MOUNT <input type="checkbox"/> OTHER:
SIZE & NUMBER OF BOLTS ON FLUSH-MOUNT LID:		
SURROUNDING SURFACE MATERIAL:	<input type="checkbox"/> CONCRETE	<input type="checkbox"/> ASPHALT <input checked="" type="checkbox"/> SOIL
	<input type="checkbox"/> OTHER: _____	
CONCRETE APRON:	<input type="checkbox"/> NOT PRESENT	<input checked="" type="checkbox"/> SLOPING AWAY <input type="checkbox"/> SUNKEN
LID CONDITION (STICKUP WELL ONLY):	<input checked="" type="checkbox"/> INTACT AND LOCKABLE	<input type="checkbox"/> DAMAGED
NUMBER OF BOLLARDS:	<u>3</u>	
BOLLARD CONDITION:	<input type="checkbox"/> NOT PRESENT	<input checked="" type="checkbox"/> STILL PLUMB <input type="checkbox"/> DAMAGED: _____
CASING DIAMETER:	<input type="checkbox"/> 2" <input type="checkbox"/> 8"	<input checked="" type="checkbox"/> 4" <input type="checkbox"/> 6"
	<input type="checkbox"/> OTHER: _____	
IS THE CASING IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
IS THERE A CAP ON THE MONITORING WELL?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF CAP:	<input type="checkbox"/> PVC SLIP CAP <input type="checkbox"/> PRODUCTION W/TUBING	<input checked="" type="checkbox"/> J-PLUG <input type="checkbox"/> EXPANSION
	<input type="checkbox"/> OTHER: _____	
LOCK MATERIAL:	<input checked="" type="checkbox"/> BRASS	<input type="checkbox"/> STAINLESS STEEL <input type="checkbox"/> OTHER: _____
LOCK SHANK LENGTH (estimated):	<u>2 7/16</u> INCHES	
LOCK LOCATION:	<input type="checkbox"/> WELL CAP	<input checked="" type="checkbox"/> MONUMENT <input type="checkbox"/> BOTH
ANY EVIDENCE OF TAMPERING WITH THE WELL CASING OR CAP?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
ANY ODORS?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
IF YES, DESCRIBE ODOR:	<input type="checkbox"/> SOLVENT <input type="checkbox"/> PETROLEUM	<input type="checkbox"/> HYDROGEN SULFIDE/ROTTEN EGGS <input type="checkbox"/> OTHER: _____
WERE PICTURES TAKEN?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO

COMMON DEFICIENCIES

COMMON DEFICIENCIES:	<input type="checkbox"/> MISSING LOCK	<input type="checkbox"/> RUSTY STICK-UP
	<input type="checkbox"/> RUSTY BOLLARDS	<input type="checkbox"/> MISSING BOLTS
	NUMBER OF BOLTS MISSING: _____	

ADDITIONAL NOTES OR COMMENTS ON CONDITION

New lock installed,

GENERAL CONDITION (CHECK ONE): ☒ GOOD ☐ MODERATE ☐ POOR



NAS Whidbey Island
Oak Harbor, WA
Naval Facilities Engineering Command Northwest

GROUNDWATER MONITORING WELL VISUAL INSPECTION CHECKLIST

DATE(S) (MM/DD/YY): 10/16/2021	TIME (HH:MM): 1738	WEATHER/TEMPERATURE: Sunny 50°
INSPECTOR(S): Alex McCarthy, Jeff Fellers		COMPANY: Liberty JV.
OU AND SITE: OU1 Area 6	DESCRIPTION: LANDFILL	
WELL ID: 6-DW-38	NORTHING: 483163.300	EASTING: 120 1774.600

INSPECTION CHECKLIST

MONITORING WELL LOCATED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
WELL CLEARLY LABELED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
MONUMENT IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF WELL CASING:	<input checked="" type="checkbox"/> STICK-UP	<input type="checkbox"/> FLUSH-MOUNT <input type="checkbox"/> OTHER:
SIZE & NUMBER OF BOLTS ON FLUSH-MOUNT LID:		
SURROUNDING SURFACE MATERIAL:	<input type="checkbox"/> CONCRETE <input type="checkbox"/> ASPHALT <input checked="" type="checkbox"/> SOIL	
CONCRETE APRON:	<input checked="" type="checkbox"/> NOT PRESENT	<input type="checkbox"/> SLOPING AWAY <input type="checkbox"/> SUNKEN
LID CONDITION (STICKUP WELL ONLY):	<input checked="" type="checkbox"/> INTACT AND LOCKABLE	<input type="checkbox"/> DAMAGED
NUMBER OF BOLLARDS:		
BOLLARD CONDITION:	<input checked="" type="checkbox"/> NOT PRESENT	<input type="checkbox"/> STILL PLUMB <input type="checkbox"/> DAMAGED: _____
CASING DIAMETER:	<input type="checkbox"/> 2" <input type="checkbox"/> 4" <input checked="" type="checkbox"/> 6" <input type="checkbox"/> 8" <input type="checkbox"/> OTHER: _____	
IS THE CASING IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
IS THERE A CAP ON THE MONITORING WELL?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF CAP:	<input type="checkbox"/> PVC SLIP CAP <input checked="" type="checkbox"/> PRODUCTION W/TUBING	<input type="checkbox"/> J-PLUG <input type="checkbox"/> EXPANSION <input checked="" type="checkbox"/> OTHER: Drinking Water Well
LOCK MATERIAL:	<input type="checkbox"/> BRASS	<input type="checkbox"/> STAINLESS STEEL <input type="checkbox"/> OTHER: _____
LOCK SHANK LENGTH (estimated):	_____ INCHES	
LOCK LOCATION:	<input type="checkbox"/> WELL CAP <input type="checkbox"/> MONUMENT <input checked="" type="checkbox"/> BOTH	
ANY EVIDENCE OF TAMPERING WITH THE WELL CASING OR CAP?	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
ANY ODORS?	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
IF YES, DESCRIBE ODOR:	<input type="checkbox"/> SOLVENT <input type="checkbox"/> HYDROGEN SULFIDE/ROTTEN EGGS <input type="checkbox"/> PETROLEUM <input type="checkbox"/> OTHER: _____	
WERE PICTURES TAKEN?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO

COMMON DEFICIENCIES

COMMON DEFICIENCIES:	<input type="checkbox"/> MISSING LOCK <input type="checkbox"/> RUSTY STICK-UP
	<input type="checkbox"/> RUSTY BOLLARDS <input type="checkbox"/> MISSING BOLTS
	NUMBER OF BOLTS MISSING: _____

ADDITIONAL NOTES OR COMMENTS ON CONDITION

Residence well - recommend notifying homeowner ahead of inspection
New lock not installed, shank does not fit through well cap.
→ Used Zax American Lock - key code 32557

GENERAL CONDITION (CHECK ONE):	<input checked="" type="checkbox"/> GOOD <input type="checkbox"/> MODERATE <input type="checkbox"/> POOR
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NAS Whidbey Island
Oak Harbor, WA
Naval Facilities Engineering Command Northwest

GROUNDWATER MONITORING WELL VISUAL INSPECTION CHECKLIST

DATE(S) (MM/DD/YY): <u>10/16/2021</u>	TIME (HH:MM): <u>1700</u>	WEATHER/TEMPERATURE: <u>Sunny 50°</u>
INSPECTOR(S): <u>Alex McParthy, Jeff Fetters</u>		COMPANY: <u>Liberty JV.</u>
OU AND SITE: <u>OUI Area 6</u>	DESCRIPTION: <u>LANDFILL</u>	
WELL ID: <u>6-S-1</u>	NORTHING: <u>4186064.300</u>	EASTING: <u>1203139.00</u>

INSPECTION CHECKLIST

MONITORING WELL LOCATED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
WELL CLEARLY LABELED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
MONUMENT IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF WELL CASING:	<input checked="" type="checkbox"/> STICK-UP	<input type="checkbox"/> FLUSH-MOUNT <input type="checkbox"/> OTHER:
SIZE & NUMBER OF BOLTS ON FLUSH-MOUNT LID:		
SURROUNDING SURFACE MATERIAL:	<input type="checkbox"/> CONCRETE <input type="checkbox"/> ASPHALT <input checked="" type="checkbox"/> SOIL	
CONCRETE APRON:	<input type="checkbox"/> OTHER: <input type="checkbox"/> NOT PRESENT <input checked="" type="checkbox"/> SLOPING AWAY <input type="checkbox"/> SUNKEN	
LID CONDITION (STICKUP WELL ONLY):	<input checked="" type="checkbox"/> INTACT AND LOCKABLE <input type="checkbox"/> DAMAGED	
NUMBER OF BOLLARDS:	<u>3</u>	
BOLLARD CONDITION:	<input type="checkbox"/> NOT PRESENT <input checked="" type="checkbox"/> STILL PLUMB <input type="checkbox"/> DAMAGED: <u> </u>	
CASING DIAMETER:	<input type="checkbox"/> 2" <input checked="" type="checkbox"/> 4" <input type="checkbox"/> 6" <input type="checkbox"/> OTHER: <u> </u>	
IS THE CASING IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	
IS THERE A CAP ON THE MONITORING WELL?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	
TYPE OF CAP:	<input type="checkbox"/> PVC SLIP CAP <input checked="" type="checkbox"/> J-PLUG <input type="checkbox"/> EXPANSION	
	<input type="checkbox"/> PRODUCTION W/TUBING <input type="checkbox"/> OTHER: <u> </u>	
LOCK MATERIAL:	<input checked="" type="checkbox"/> BRASS <input type="checkbox"/> STAINLESS STEEL <input type="checkbox"/> OTHER: <u> </u>	
LOCK SHANK LENGTH (estimated):	<u>2 1/4</u> INCHES	
LOCK LOCATION:	<input type="checkbox"/> WELL CAP <input checked="" type="checkbox"/> MONUMENT <input type="checkbox"/> BOTH	
ANY EVIDENCE OF TAMPERING WITH THE WELL CASING OR CAP?	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
ANY ODORS?	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
IF YES, DESCRIBE ODOR:	<input type="checkbox"/> SOLVENT <input type="checkbox"/> HYDROGEN SULFIDE/ROTTEN EGGS <input type="checkbox"/> OTHER: <u> </u>	
	<input type="checkbox"/> PETROLEUM	
WERE PICTURES TAKEN?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	

COMMON DEFICIENCIES

COMMON DEFICIENCIES:	<input type="checkbox"/> MISSING LOCK <input type="checkbox"/> RUSTY STICK-UP
	<input type="checkbox"/> RUSTY BOLLARDS <input type="checkbox"/> MISSING BOLTS
	NUMBER OF BOLTS MISSING: <u> </u>

ADDITIONAL NOTES OR COMMENTS ON CONDITION

New lock installed

GENERAL CONDITION (CHECK ONE): ☒ GOOD ☐ MODERATE ☐ POOR



NAS Whidbey Island
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GROUNDWATER MONITORING WELL VISUAL INSPECTION CHECKLIST

DATE(S) (MM/DD/YY): <u>10/17/2021</u>	TIME (HH:MM): <u>809</u>	WEATHER/TEMPERATURE: <u>Rainy 53°</u>
INSPECTOR(S): <u>Alex McConthy, Jeff Fetters</u>		COMPANY: <u>Liberty JV</u>
OU AND SITE: <u>Oil Area 6</u>	DESCRIPTION: <u>LANDFILL</u>	
WELL ID: <u>6-5-2</u>	NORTHING: <u>488231.100</u>	EASTING: <u>1203586.00</u>

INSPECTION CHECKLIST

MONITORING WELL LOCATED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
WELL CLEARLY LABELED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
MONUMENT IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF WELL CASING:	<input checked="" type="checkbox"/> STICK-UP	<input type="checkbox"/> FLUSH-MOUNT <input type="checkbox"/> OTHER:
SIZE & NUMBER OF BOLTS ON FLUSH-MOUNT LID:		
SURROUNDING SURFACE MATERIAL:	<input type="checkbox"/> CONCRETE <input type="checkbox"/> ASPHALT <input checked="" type="checkbox"/> SOIL	
	<input type="checkbox"/> OTHER:	
CONCRETE APRON:	<input type="checkbox"/> NOT PRESENT <input checked="" type="checkbox"/> SLOPING AWAY	<input type="checkbox"/> SUNKEN
LID CONDITION (STICKUP WELL ONLY):	<input checked="" type="checkbox"/> INTACT AND LOCKABLE	<input type="checkbox"/> DAMAGED
NUMBER OF BOLLARDS:	<u>3</u>	
BOLLARD CONDITION:	<input type="checkbox"/> NOT PRESENT <input checked="" type="checkbox"/> STILL PLUMB	<input type="checkbox"/> DAMAGED: _____
CASING DIAMETER:	<input type="checkbox"/> 2" <input checked="" type="checkbox"/> 4" <input type="checkbox"/> 6"	
	<input type="checkbox"/> 8" <input type="checkbox"/> OTHER: _____	
IS THE CASING IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
IS THERE A CAP ON THE MONITORING WELL?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF CAP:	<input type="checkbox"/> PVC SLIP CAP <input checked="" type="checkbox"/> J-PLUG <input type="checkbox"/> EXPANSION	
	<input type="checkbox"/> PRODUCTION W/TUBING <input type="checkbox"/> OTHER: _____	
LOCK MATERIAL:	<input checked="" type="checkbox"/> BRASS <input type="checkbox"/> STAINLESS STEEL <input type="checkbox"/> OTHER: _____	
LOCK SHANK LENGTH (estimated):	<u>2 3/16</u> INCHES	
LOCK LOCATION:	<input type="checkbox"/> WELL CAP <input checked="" type="checkbox"/> MONUMENT <input type="checkbox"/> BOTH	
ANY EVIDENCE OF TAMPERING WITH THE WELL CASING OR CAP?	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
ANY ODORS?	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
IF YES, DESCRIBE ODOR:	<input type="checkbox"/> SOLVENT <input type="checkbox"/> HYDROGEN SULFIDE/ROTTEN EGGS	
	<input type="checkbox"/> PETROLEUM <input type="checkbox"/> OTHER: _____	
WERE PICTURES TAKEN?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	

COMMON DEFICIENCIES

COMMON DEFICIENCIES:	<input type="checkbox"/> MISSING LOCK <input type="checkbox"/> RUSTY STICK-UP
	<input type="checkbox"/> RUSTY BOLLARDS <input type="checkbox"/> MISSING BOLTS
	NUMBER OF BOLTS MISSING: _____

ADDITIONAL NOTES OR COMMENTS ON CONDITION

New lock installed.

GENERAL CONDITION (CHECK ONE): ☒ GOOD ☐ MODERATE ☐ POOR



NAS Whidbey Island
Oak Harbor, WA
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GROUNDWATER MONITORING WELL VISUAL INSPECTION CHECKLIST

DATE(S) (MM/DD/YY): <u>10/16/2021</u>	TIME (HH:MM): <u>1422</u>	WEATHER/TEMPERATURE: <u>Cloudy 50°</u>
INSPECTOR(S): <u>Alex McConthy, Jesse Fetters</u>		COMPANY: <u>Liberty SV</u>
OU AND SITE: <u>OU Area 6</u>	DESCRIPTION: <u>LANDFILL</u>	
WELL ID: <u>6-S-3</u>	NORTHING: <u>484800.00</u>	EASTING: <u>1201913.00</u>

INSPECTION CHECKLIST

MONITORING WELL LOCATED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
WELL CLEARLY LABELED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
MONUMENT IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF WELL CASING:	<input checked="" type="checkbox"/> STICK-UP	<input type="checkbox"/> FLUSH-MOUNT <input type="checkbox"/> OTHER:
SIZE & NUMBER OF BOLTS ON FLUSH-MOUNT LID:		
SURROUNDING SURFACE MATERIAL:	<input type="checkbox"/> CONCRETE	<input type="checkbox"/> ASPHALT <input checked="" type="checkbox"/> SOIL
	<input type="checkbox"/> OTHER: _____	
CONCRETE APRON:	<input type="checkbox"/> NOT PRESENT	<input checked="" type="checkbox"/> SLOPING AWAY <input type="checkbox"/> SUNKEN
LID CONDITION (STICKUP WELL ONLY):	<input checked="" type="checkbox"/> INTACT AND LOCKABLE	<input type="checkbox"/> DAMAGED
NUMBER OF BOLLARDS:	<u>3</u>	
BOLLARD CONDITION:	<input type="checkbox"/> NOT PRESENT	<input checked="" type="checkbox"/> STILL PLUMB <input type="checkbox"/> DAMAGED: _____
CASING DIAMETER:	<input type="checkbox"/> 2" <input type="checkbox"/> 8"	<input checked="" type="checkbox"/> 4" <input type="checkbox"/> 6" <input type="checkbox"/> OTHER: _____
IS THE CASING IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
IS THERE A CAP ON THE MONITORING WELL?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF CAP:	<input type="checkbox"/> PVC SLIP CAP <input type="checkbox"/> PRODUCTION W/TUBING	<input checked="" type="checkbox"/> J-PLUG <input type="checkbox"/> EXPANSION <input type="checkbox"/> OTHER: _____
LOCK MATERIAL:	<input checked="" type="checkbox"/> BRASS	<input type="checkbox"/> STAINLESS STEEL <input type="checkbox"/> OTHER: _____
LOCK SHANK LENGTH (estimated):	<u>2 7/16</u> INCHES	
LOCK LOCATION:	<input type="checkbox"/> WELL CAP	<input checked="" type="checkbox"/> MONUMENT <input type="checkbox"/> BOTH
ANY EVIDENCE OF TAMPERING WITH THE WELL CASING OR CAP?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
ANY ODORS?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
IF YES, DESCRIBE ODOR:	<input type="checkbox"/> SOLVENT <input type="checkbox"/> PETROLEUM	<input type="checkbox"/> HYDROGEN SULFIDE/ROTTEN EGGS <input type="checkbox"/> OTHER: _____
WERE PICTURES TAKEN?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO

COMMON DEFICIENCIES

COMMON DEFICIENCIES:	<input type="checkbox"/> MISSING LOCK <input type="checkbox"/> RUSTY BOLLARDS	<input type="checkbox"/> RUSTY STICK-UP <input type="checkbox"/> MISSING BOLTS
	NUMBER OF BOLTS MISSING: _____	

ADDITIONAL NOTES OR COMMENTS ON CONDITION

New lock installed

GENERAL CONDITION (CHECK ONE): ☒ GOOD ☐ MODERATE ☐ POOR



NAS Whidbey Island
Oak Harbor, WA
Naval Facilities Engineering Command Northwest

GROUNDWATER MONITORING WELL VISUAL INSPECTION CHECKLIST

DATE(S) (MM/DD/YY): <u>10/16/2021</u>	TIME (HH:MM): <u>1308</u>	WEATHER/TEMPERATURE: <u>Cloudy 58°</u>
INSPECTOR(S): <u>Alex McConkey, Jeff Tetters</u>		COMPANY: <u>Liberty SV.</u>
OU AND SITE: <u>OU1 AREA 6</u>	DESCRIPTION: <u>LANDFILL</u>	
WELL ID: <u>Q-S-6</u>	NORTHING: <u>486369.300</u>	EASTING: <u>1200387.00</u>

INSPECTION CHECKLIST

MONITORING WELL LOCATED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
WELL CLEARLY LABELED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
MONUMENT IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF WELL CASING:	<input checked="" type="checkbox"/> STICK-UP	<input type="checkbox"/> FLUSH-MOUNT <input type="checkbox"/> OTHER:
SIZE & NUMBER OF BOLTS ON FLUSH-MOUNT LID:		
SURROUNDING SURFACE MATERIAL:	<input type="checkbox"/> CONCRETE <input type="checkbox"/> ASPHALT <input checked="" type="checkbox"/> SOIL	
CONCRETE APRON:	<input type="checkbox"/> OTHER: <u> </u>	
LID CONDITION (STICKUP WELL ONLY):	<input checked="" type="checkbox"/> NOT PRESENT <input checked="" type="checkbox"/> SLOPING AWAY <input type="checkbox"/> SUNKEN	
	<input checked="" type="checkbox"/> INTACT AND LOCKABLE <input type="checkbox"/> DAMAGED	
NUMBER OF BOLLARDS:	<u>3</u>	
BOLLARD CONDITION:	<input type="checkbox"/> NOT PRESENT <input checked="" type="checkbox"/> STILL PLUMB <input type="checkbox"/> DAMAGED: <u> </u>	
CASING DIAMETER:	<input type="checkbox"/> 2" <input checked="" type="checkbox"/> 4" <input type="checkbox"/> 6"	
	<input type="checkbox"/> 8" <input type="checkbox"/> OTHER: <u> </u>	
IS THE CASING IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	
IS THERE A CAP ON THE MONITORING WELL?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	
TYPE OF CAP:	<input type="checkbox"/> PVC SLIP CAP <input checked="" type="checkbox"/> J-PLUG <input type="checkbox"/> EXPANSION	
	<input type="checkbox"/> PRODUCTION W/TUBING <input type="checkbox"/> OTHER: <u> </u>	
LOCK MATERIAL:	<input checked="" type="checkbox"/> BRASS <input type="checkbox"/> STAINLESS STEEL <input type="checkbox"/> OTHER: <u> </u>	
LOCK SHANK LENGTH (estimated):	<u>2 7/16</u> INCHES	
LOCK LOCATION:	<input type="checkbox"/> WELL CAP <input checked="" type="checkbox"/> MONUMENT <input type="checkbox"/> BOTH	
ANY EVIDENCE OF TAMPERING WITH THE WELL CASING OR CAP?	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
ANY ODORS?	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
IF YES, DESCRIBE ODOR:	<input type="checkbox"/> SOLVENT <input type="checkbox"/> HYDROGEN SULFIDE/ROTTEN EGGS	
	<input type="checkbox"/> PETROLEUM <input type="checkbox"/> OTHER: <u> </u>	
WERE PICTURES TAKEN?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	

COMMON DEFICIENCIES

COMMON DEFICIENCIES:	<input type="checkbox"/> MISSING LOCK <input type="checkbox"/> RUSTY STICK-UP
	<input type="checkbox"/> RUSTY BOLLARDS <input type="checkbox"/> MISSING BOLTS
	NUMBER OF BOLTS MISSING: <u> </u>

ADDITIONAL NOTES OR COMMENTS ON CONDITION

New lock installed.

GENERAL CONDITION (CHECK ONE): ☒ GOOD ☐ MODERATE ☐ POOR



NAS Whidbey Island
Oak Harbor, WA
Naval Facilities Engineering Command Northwest

GROUNDWATER MONITORING WELL VISUAL INSPECTION CHECKLIST

DATE(S) (MM/DD/YY): <u>10/16/2021</u>	TIME (HH:MM): <u>1238</u>	WEATHER/TEMPERATURE: <u>Cloudy 50°</u>
INSPECTOR(S): <u>Alex McConthy, Jesse Fellers</u>		COMPANY: <u>Liberty JV.</u>
OU AND SITE: <u>JU1 AREA 6</u>	DESCRIPTION: <u>LANDFILL</u>	
WELL ID: <u>6-8-7</u>	NORTHING: <u>4188637.200</u>	EASTING: <u>1200542.00</u>

INSPECTION CHECKLIST

MONITORING WELL LOCATED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
WELL CLEARLY LABELED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
MONUMENT IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF WELL CASING:	<input checked="" type="checkbox"/> STICK-UP	<input type="checkbox"/> FLUSH-MOUNT <input type="checkbox"/> OTHER:
SIZE & NUMBER OF BOLTS ON FLUSH-MOUNT LID:		
SURROUNDING SURFACE MATERIAL:	<input type="checkbox"/> CONCRETE <input type="checkbox"/> ASPHALT <input checked="" type="checkbox"/> SOIL	
CONCRETE APRON:	<input type="checkbox"/> OTHER: <u> </u>	
LID CONDITION (STICKUP WELL ONLY):	<input type="checkbox"/> NOT PRESENT <input checked="" type="checkbox"/> SLOPING AWAY <input type="checkbox"/> SUNKEN	
	<input type="checkbox"/> INTACT AND LOCKABLE <input type="checkbox"/> DAMAGED	
NUMBER OF BOLLARDS:	<u>3</u>	
BOLLARD CONDITION:	<input type="checkbox"/> NOT PRESENT <input checked="" type="checkbox"/> STILL PLUMB x 2 <input checked="" type="checkbox"/> DAMAGED: x 1	
CASING DIAMETER:	<input type="checkbox"/> 2" <input checked="" type="checkbox"/> 4" <input type="checkbox"/> 6"	
	<input type="checkbox"/> 8" <input type="checkbox"/> OTHER: <u> </u>	
IS THE CASING IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
IS THERE A CAP ON THE MONITORING WELL?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF CAP:	<input type="checkbox"/> PVC SLIP CAP <input checked="" type="checkbox"/> J-PLUG <input type="checkbox"/> EXPANSION	
	<input type="checkbox"/> PRODUCTION W/TUBING <input type="checkbox"/> OTHER: <u> </u>	
LOCK MATERIAL:	<input checked="" type="checkbox"/> BRASS <input type="checkbox"/> STAINLESS STEEL <input type="checkbox"/> OTHER: <u> </u>	
LOCK SHANK LENGTH (estimated):	<u>2 7/16</u> INCHES	
LOCK LOCATION:	<input type="checkbox"/> WELL CAP <input checked="" type="checkbox"/> MONUMENT <input type="checkbox"/> BOTH	
ANY EVIDENCE OF TAMPERING WITH THE WELL CASING OR CAP?	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
ANY ODORS?	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
IF YES, DESCRIBE ODOR:	<input type="checkbox"/> SOLVENT <input type="checkbox"/> HYDROGEN SULFIDE/ROTTEN EGGS	
	<input type="checkbox"/> PETROLEUM <input type="checkbox"/> OTHER: <u> </u>	
WERE PICTURES TAKEN?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	

COMMON DEFICIENCIES

COMMON DEFICIENCIES:	<input type="checkbox"/> MISSING LOCK <input type="checkbox"/> RUSTY STICK-UP
	<input type="checkbox"/> RUSTY BOLLARDS <input type="checkbox"/> MISSING BOLTS
	NUMBER OF BOLTS MISSING: <u> </u>

ADDITIONAL NOTES OR COMMENTS ON CONDITION

New lock installed

GENERAL CONDITION (CHECK ONE): ☒ GOOD ☐ MODERATE ☐ POOR



NAS Whidbey Island
Oak Harbor, WA
Naval Facilities Engineering Command Northwest

GROUNDWATER MONITORING WELL VISUAL INSPECTION CHECKLIST

DATE(S) (MM/DD/YY): <u>10/16/2021</u>	TIME (HH:MM): <u>1646</u>	WEATHER/TEMPERATURE: <u>Sunny 50°</u>
INSPECTOR(S): <u>Alex McCarthy, Jesse Felters</u>		COMPANY: <u>Liberty JV.</u>
OU AND SITE: <u>OUI AREA 6</u>	DESCRIPTION: <u>LANDFILL</u>	
WELL ID: <u>6-S-9</u>	NORTHING: <u>487101.200</u>	EASTING: <u>1201426.00</u>

INSPECTION CHECKLIST

MONITORING WELL LOCATED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
WELL CLEARLY LABELED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
MONUMENT IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF WELL CASING:	<input checked="" type="checkbox"/> STICK-UP	<input type="checkbox"/> FLUSH-MOUNT <input type="checkbox"/> OTHER:
SIZE & NUMBER OF BOLTS ON FLUSH-MOUNT LID:		
SURROUNDING SURFACE MATERIAL:	<input type="checkbox"/> CONCRETE	<input type="checkbox"/> ASPHALT <input checked="" type="checkbox"/> SOIL
	<input type="checkbox"/> OTHER: _____	
CONCRETE APRON:	<input type="checkbox"/> NOT PRESENT	<input checked="" type="checkbox"/> SLOPING AWAY <input type="checkbox"/> SUNKEN
LID CONDITION (STICKUP WELL ONLY):	<input checked="" type="checkbox"/> INTACT AND LOCKABLE	<input type="checkbox"/> DAMAGED
NUMBER OF BOLLARDS:	<u>3</u>	
BOLLARD CONDITION:	<input type="checkbox"/> NOT PRESENT	<input checked="" type="checkbox"/> STILL PLUMB <input type="checkbox"/> DAMAGED: _____
CASING DIAMETER:	<input type="checkbox"/> 2" <input type="checkbox"/> 8"	<input checked="" type="checkbox"/> 4" <input type="checkbox"/> 6" <input type="checkbox"/> OTHER: _____
IS THE CASING IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
IS THERE A CAP ON THE MONITORING WELL?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF CAP:	<input type="checkbox"/> PVC SLIP CAP <input type="checkbox"/> PRODUCTION W/TUBING	<input checked="" type="checkbox"/> J-PLUG <input type="checkbox"/> EXPANSION <input type="checkbox"/> OTHER: _____
LOCK MATERIAL:	<input checked="" type="checkbox"/> BRASS	<input type="checkbox"/> STAINLESS STEEL <input type="checkbox"/> OTHER: _____
LOCK SHANK LENGTH (estimated):	<u>2 7/16</u> INCHES	
LOCK LOCATION:	<input type="checkbox"/> WELL CAP	<input checked="" type="checkbox"/> MONUMENT <input type="checkbox"/> BOTH
ANY EVIDENCE OF TAMPERING WITH THE WELL CASING OR CAP?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
ANY ODORS?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
IF YES, DESCRIBE ODOR:	<input type="checkbox"/> SOLVENT <input type="checkbox"/> PETROLEUM	<input type="checkbox"/> HYDROGEN SULFIDE/ROTTEN EGGS <input type="checkbox"/> OTHER: _____
WERE PICTURES TAKEN?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO

COMMON DEFICIENCIES

COMMON DEFICIENCIES:	<input type="checkbox"/> MISSING LOCK <input type="checkbox"/> RUSTY STICK-UP
	<input type="checkbox"/> RUSTY BOLLARDS <input type="checkbox"/> MISSING BOLTS
	NUMBER OF BOLTS MISSING: _____

ADDITIONAL NOTES OR COMMENTS ON CONDITION

New lock installed

GENERAL CONDITION (CHECK ONE): ☒ GOOD ☐ MODERATE ☐ POOR



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Oak Harbor, WA
Naval Facilities Engineering Command Northwest

GROUNDWATER MONITORING WELL VISUAL INSPECTION CHECKLIST

DATE(S) (MM/DD/YY): <u>10/16/2021</u>	TIME (HH:MM): <u>1:51p</u>	WEATHER/TEMPERATURE: <u>Cloudy 50°</u>
INSPECTOR(S): <u>Alex McCarthy, Jeff Tetters</u>		COMPANY: <u>Liberty JV.</u>
OU AND SITE: <u>OU1 AREA 6</u>	DESCRIPTION: <u>LANDFILL</u>	
WELL ID: <u>6-S-10</u>	NORTHING: <u>487873.200</u>	EASTING: <u>1200310.00.</u>

INSPECTION CHECKLIST

MONITORING WELL LOCATED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
WELL CLEARLY LABELED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
MONUMENT IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF WELL CASING:	<input checked="" type="checkbox"/> STICK-UP	<input type="checkbox"/> FLUSH-MOUNT <input type="checkbox"/> OTHER:
SIZE & NUMBER OF BOLTS ON FLUSH-MOUNT LID:		
SURROUNDING SURFACE MATERIAL:	<input type="checkbox"/> CONCRETE <input type="checkbox"/> ASPHALT <input checked="" type="checkbox"/> SOIL	
CONCRETE APRON:	<input type="checkbox"/> OTHER: <u> </u>	
LID CONDITION (STICKUP WELL ONLY):	<input type="checkbox"/> NOT PRESENT <input checked="" type="checkbox"/> SLOPING AWAY <input type="checkbox"/> SUNKEN	
NUMBER OF BOLLARDS:	<input checked="" type="checkbox"/> INTACT AND LOCKABLE <input type="checkbox"/> DAMAGED	
BOLLARD CONDITION:	<u>3</u>	
CASING DIAMETER:	<input type="checkbox"/> NOT PRESENT <input checked="" type="checkbox"/> STILL PLUMB <input type="checkbox"/> DAMAGED: <u> </u>	
	<input type="checkbox"/> 2" <input checked="" type="checkbox"/> 4" <input type="checkbox"/> 6"	
	<input type="checkbox"/> 8" <input type="checkbox"/> OTHER: <u> </u>	
IS THE CASING IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	
IS THERE A CAP ON THE MONITORING WELL?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	
TYPE OF CAP:	<input type="checkbox"/> PVC SLIP CAP <input checked="" type="checkbox"/> J-PLUG <input type="checkbox"/> EXPANSION	
	<input type="checkbox"/> PRODUCTION W/TUBING <input type="checkbox"/> OTHER: <u> </u>	
LOCK MATERIAL:	<input checked="" type="checkbox"/> BRASS <input type="checkbox"/> STAINLESS STEEL <input type="checkbox"/> OTHER: <u> </u>	
LOCK SHANK LENGTH (estimated):	<u>2 7/16</u> INCHES	
LOCK LOCATION:	<input type="checkbox"/> WELL CAP <input checked="" type="checkbox"/> MONUMENT <input type="checkbox"/> BOTH	
ANY EVIDENCE OF TAMPERING WITH THE WELL CASING OR CAP?	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
ANY ODORS?	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
IF YES, DESCRIBE ODOR:	<input type="checkbox"/> SOLVENT <input type="checkbox"/> HYDROGEN SULFIDE/ROTTEN EGGS	
	<input type="checkbox"/> PETROLEUM <input type="checkbox"/> OTHER: <u> </u>	
WERE PICTURES TAKEN?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	

COMMON DEFICIENCIES

COMMON DEFICIENCIES:	<input type="checkbox"/> MISSING LOCK <input type="checkbox"/> RUSTY STICK-UP
	<input type="checkbox"/> RUSTY BOLLARDS <input type="checkbox"/> MISSING BOLTS
	NUMBER OF BOLTS MISSING: <u> </u>

ADDITIONAL NOTES OR COMMENTS ON CONDITION

New lock installed.

GENERAL CONDITION (CHECK ONE):	<input checked="" type="checkbox"/> GOOD	<input type="checkbox"/> MODERATE	<input type="checkbox"/> POOR
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NAS Whidbey Island
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GROUNDWATER MONITORING WELL VISUAL INSPECTION CHECKLIST

DATE(S) (MM/DD/YY): <u>10/16/2021</u>	TIME (HH:MM): <u>1607</u>	WEATHER/TEMPERATURE: <u>Cloudy 50°</u>
INSPECTOR(S): <u>Alex McCarthy, Jeff Fetters</u>		COMPANY: <u>Liberty JV.</u>
OU AND SITE: <u>OUI AREA 6</u>	DESCRIPTION: <u>LAND FILL</u>	
WELL ID: <u>6-5-14</u>	NORTHING: <u>486480.350</u>	EASTING: <u>1200760.00</u>

INSPECTION CHECKLIST

MONITORING WELL LOCATED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
WELL CLEARLY LABELED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
MONUMENT IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF WELL CASING:	<input checked="" type="checkbox"/> STICK-UP	<input type="checkbox"/> FLUSH-MOUNT <input type="checkbox"/> OTHER:
SIZE & NUMBER OF BOLTS ON FLUSH-MOUNT LID:		
SURROUNDING SURFACE MATERIAL:	<input type="checkbox"/> CONCRETE <input type="checkbox"/> ASPHALT <input checked="" type="checkbox"/> SOIL	
CONCRETE APRON:	<input type="checkbox"/> OTHER: <u> </u>	<input checked="" type="checkbox"/> SLOPING AWAY <input type="checkbox"/> SUNKEN
LID CONDITION (STICKUP WELL ONLY):	<input checked="" type="checkbox"/> NOT PRESENT <input checked="" type="checkbox"/> DAMAGED	
LID CONDITION (STICKUP WELL ONLY):	<input checked="" type="checkbox"/> INTACT AND LOCKABLE	
NUMBER OF BOLLARDS:	<u>3</u>	
BOLLARD CONDITION:	<input type="checkbox"/> NOT PRESENT <input checked="" type="checkbox"/> STILL PLUMB <input type="checkbox"/> DAMAGED: <u> </u>	
CASING DIAMETER:	<input type="checkbox"/> 2" <input checked="" type="checkbox"/> 4" <input type="checkbox"/> 6" <input type="checkbox"/> 8" <input type="checkbox"/> OTHER: <u> </u>	
IS THE CASING IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	
IS THERE A CAP ON THE MONITORING WELL?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	
TYPE OF CAP:	<input type="checkbox"/> PVC SLIP CAP <input checked="" type="checkbox"/> J-PLUG <input type="checkbox"/> EXPANSION	
TYPE OF CAP:	<input type="checkbox"/> PRODUCTION W/TUBING <input type="checkbox"/> OTHER: <u> </u>	
LOCK MATERIAL:	<input checked="" type="checkbox"/> BRASS <input type="checkbox"/> STAINLESS STEEL <input type="checkbox"/> OTHER: <u> </u>	
LOCK SHANK LENGTH (estimated):	<u>2 7/16</u> INCHES	
LOCK LOCATION:	<input type="checkbox"/> WELL CAP <input checked="" type="checkbox"/> MONUMENT <input type="checkbox"/> BOTH	
ANY EVIDENCE OF TAMPERING WITH THE WELL CASING OR CAP?	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
ANY ODORS?	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
IF YES, DESCRIBE ODOR:	<input type="checkbox"/> SOLVENT <input type="checkbox"/> HYDROGEN SULFIDE/ROTTEN EGGS	
IF YES, DESCRIBE ODOR:	<input type="checkbox"/> PETROLEUM <input type="checkbox"/> OTHER: <u> </u>	
WERE PICTURES TAKEN?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	

COMMON DEFICIENCIES

COMMON DEFICIENCIES:	<input type="checkbox"/> MISSING LOCK <input type="checkbox"/> RUSTY STICK-UP
	<input type="checkbox"/> RUSTY BOLLARDS <input type="checkbox"/> MISSING BOLTS
	NUMBER OF BOLTS MISSING: <u> </u>

ADDITIONAL NOTES OR COMMENTS ON CONDITION

New lock installed.

GENERAL CONDITION (CHECK ONE):	<input checked="" type="checkbox"/> GOOD <input type="checkbox"/> MODERATE <input type="checkbox"/> POOR
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NAS Whidbey Island
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GROUNDWATER MONITORING WELL VISUAL INSPECTION CHECKLIST

DATE(S) (MM/DD/YY): <u>10/16/2021</u>	TIME (HH:MM): <u>1610</u>	WEATHER/TEMPERATURE: <u>Cloudy 50°</u>
INSPECTOR(S): <u>Alex McCarthy, Jeff Fellers</u>		COMPANY: <u>Liberty JV.</u>
OU AND SITE: <u>OU1 Area 6</u>	DESCRIPTION: <u>LANDFILL</u>	
WELL ID: <u>G-S-15</u>	NORTHING: <u>486877.900</u>	EASTING: <u>1200840.00</u>

INSPECTION CHECKLIST

MONITORING WELL LOCATED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
WELL CLEARLY LABELED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
MONUMENT IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF WELL CASING:	<input checked="" type="checkbox"/> STICK-UP	<input type="checkbox"/> FLUSH-MOUNT <input type="checkbox"/> OTHER:
SIZE & NUMBER OF BOLTS ON FLUSH-MOUNT LID:		
SURROUNDING SURFACE MATERIAL:	<input type="checkbox"/> CONCRETE	<input type="checkbox"/> ASPHALT <input checked="" type="checkbox"/> SOIL
CONCRETE APRON:	<input type="checkbox"/> OTHER: _____	
LID CONDITION (STICKUP WELL ONLY):	<input type="checkbox"/> NOT PRESENT	<input checked="" type="checkbox"/> SLOPING AWAY <input type="checkbox"/> SUNKEN
NUMBER OF BOLLARDS:	<input checked="" type="checkbox"/> INTACT AND LOCKABLE	<input type="checkbox"/> DAMAGED
BOLLARD CONDITION:	<u>3</u>	
CASING DIAMETER:	<input type="checkbox"/> NOT PRESENT	<input checked="" type="checkbox"/> STILL PLUMB <input type="checkbox"/> DAMAGED: _____
IS THE CASING IN GOOD CONDITION?	<input type="checkbox"/> 2"	<input checked="" type="checkbox"/> 4" <input type="checkbox"/> 6"
IS THERE A CAP ON THE MONITORING WELL?	<input type="checkbox"/> 8"	<input type="checkbox"/> OTHER: _____
TYPE OF CAP:	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
LOCK MATERIAL:	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
LOCK SHANK LENGTH (estimated):	<input type="checkbox"/> PVC SLIP CAP	<input checked="" type="checkbox"/> J-PLUG <input type="checkbox"/> EXPANSION
LOCK LOCATION:	<input type="checkbox"/> PRODUCTION W/TUBING	<input type="checkbox"/> OTHER: _____
ANY EVIDENCE OF TAMPERING WITH THE WELL CASING OR CAP?	<input checked="" type="checkbox"/> BRASS	<input type="checkbox"/> STAINLESS STEEL <input type="checkbox"/> OTHER: _____
ANY ODORS?	<u>2 7/16</u> INCHES	<input checked="" type="checkbox"/> MONUMENT <input type="checkbox"/> BOTH
IF YES, DESCRIBE ODOR:	<input type="checkbox"/> WELL CAP	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
WERE PICTURES TAKEN?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
	<input type="checkbox"/> SOLVENT	<input type="checkbox"/> HYDROGEN SULFIDE/ROTTEN EGGS
	<input type="checkbox"/> PETROLEUM	<input type="checkbox"/> OTHER: _____
	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO

COMMON DEFICIENCIES

COMMON DEFICIENCIES:	<input type="checkbox"/> MISSING LOCK	<input type="checkbox"/> RUSTY STICK-UP
	<input type="checkbox"/> RUSTY BOLLARDS	<input type="checkbox"/> MISSING BOLTS
	NUMBER OF BOLTS MISSING: _____	

ADDITIONAL NOTES OR COMMENTS ON CONDITION

New lock installed

GENERAL CONDITION (CHECK ONE): ☒ GOOD ☐ MODERATE ☐ POOR



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GROUNDWATER MONITORING WELL VISUAL INSPECTION CHECKLIST

DATE(S) (MM/DD/YY): <u>10/16/2021</u>	TIME (HH:MM): <u>1638</u>	WEATHER/TEMPERATURE: <u>Cloudy 50°</u>
INSPECTOR(S): <u>Alex McCarthy, Jeff Fetters</u>		COMPANY: <u>Liberty JV.</u>
OU AND SITE: <u>OU1 Area 6</u>	DESCRIPTION: <u>LARGE PL</u>	
WELL ID: <u>6-5-16</u>	NORTHING: <u>485994.00</u>	EASTING: <u>1202127.00</u>

INSPECTION CHECKLIST

MONITORING WELL LOCATED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
WELL CLEARLY LABELED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
MONUMENT IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF WELL CASING:	<input checked="" type="checkbox"/> STICK-UP	<input type="checkbox"/> FLUSH-MOUNT <input type="checkbox"/> OTHER:
SIZE & NUMBER OF BOLTS ON FLUSH-MOUNT LID:		
SURROUNDING SURFACE MATERIAL:	<input type="checkbox"/> CONCRETE	<input type="checkbox"/> ASPHALT <input checked="" type="checkbox"/> SOIL
	<input type="checkbox"/> OTHER:	
CONCRETE APRON:	<input type="checkbox"/> NOT PRESENT	<input checked="" type="checkbox"/> SLOPING AWAY <input type="checkbox"/> SUNKEN
LID CONDITION (STICKUP WELL ONLY):	<input checked="" type="checkbox"/> INTACT AND LOCKABLE	<input type="checkbox"/> DAMAGED
NUMBER OF BOLLARDS:	<u>3</u>	
BOLLARD CONDITION:	<input type="checkbox"/> NOT PRESENT	<input checked="" type="checkbox"/> STILL PLUMB <input type="checkbox"/> DAMAGED: _____
CASING DIAMETER:	<input type="checkbox"/> 2" <input type="checkbox"/> 8"	<input checked="" type="checkbox"/> 4" <input type="checkbox"/> 6" <input type="checkbox"/> OTHER: _____
IS THE CASING IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
IS THERE A CAP ON THE MONITORING WELL?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF CAP:	<input type="checkbox"/> PVC SLIP CAP <input checked="" type="checkbox"/> J-PLUG <input type="checkbox"/> EXPANSION	<input type="checkbox"/> PRODUCTION W/TUBING <input type="checkbox"/> OTHER: _____
LOCK MATERIAL:	<input checked="" type="checkbox"/> BRASS	<input type="checkbox"/> STAINLESS STEEL <input type="checkbox"/> OTHER: _____
LOCK SHANK LENGTH (estimated):	<u>2 7/16</u> INCHES	
LOCK LOCATION:	<input type="checkbox"/> WELL CAP <input checked="" type="checkbox"/> MONUMENT <input type="checkbox"/> BOTH	
ANY EVIDENCE OF TAMPERING WITH THE WELL CASING OR CAP?	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
ANY ODORS?	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
IF YES, DESCRIBE ODOR:	<input type="checkbox"/> SOLVENT <input type="checkbox"/> HYDROGEN SULFIDE/ROTTEN EGGS	<input type="checkbox"/> PETROLEUM <input type="checkbox"/> OTHER: _____
WERE PICTURES TAKEN?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	

COMMON DEFICIENCIES

COMMON DEFICIENCIES:	<input type="checkbox"/> MISSING LOCK	<input type="checkbox"/> RUSTY STICK-UP
	<input type="checkbox"/> RUSTY BOLLARDS	<input type="checkbox"/> MISSING BOLTS
	NUMBER OF BOLTS MISSING: _____	

ADDITIONAL NOTES OR COMMENTS ON CONDITION

New lock installed

GENERAL CONDITION (CHECK ONE): ☒ GOOD ☐ MODERATE ☐ POOR



NAS Whidbey Island
Oak Harbor, WA
Naval Facilities Engineering Command Northwest

GROUNDWATER MONITORING WELL VISUAL INSPECTION CHECKLIST

DATE(S) (MM DD YY): <u>10/16/2021</u>	TIME (HH:MM): <u>1632</u>	WEATHER/TEMPERATURE: <u>Cloudy 50°</u>
INSPECTOR(S): <u>Alex McCarthy, Jeff Fettes</u>		COMPANY: <u>Liberty JV</u>
OU AND SITE: <u>OU1 Area 6</u>	DESCRIPTION: <u>Landfill</u>	
WELL ID: <u>6-S-12</u>	NORTHING: <u>485524.400</u>	EASTING: <u>1202048.00</u>

INSPECTION CHECKLIST

MONITORING WELL LOCATED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
WELL CLEARLY LABELED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
MONUMENT IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF WELL CASING:	<input checked="" type="checkbox"/> STICK-UP	<input type="checkbox"/> FLUSH-MOUNT <input type="checkbox"/> OTHER:
SIZE & NUMBER OF BOLTS ON FLUSH-MOUNT LID:		
SURROUNDING SURFACE MATERIAL:	<input type="checkbox"/> CONCRETE	<input type="checkbox"/> ASPHALT <input checked="" type="checkbox"/> SOIL
	<input type="checkbox"/> OTHER:	
CONCRETE APRON:	<input type="checkbox"/> NOT PRESENT	<input checked="" type="checkbox"/> SLOPING AWAY <input type="checkbox"/> SUNKEN
LID CONDITION (STICKUP WELL ONLY):	<input checked="" type="checkbox"/> INTACT AND LOCKABLE	<input type="checkbox"/> DAMAGED
NUMBER OF BOLLARDS:	<u>3</u>	
BOLLARD CONDITION:	<input type="checkbox"/> NOT PRESENT	<input checked="" type="checkbox"/> STILL PLUMB <input type="checkbox"/> DAMAGED: _____
CASING DIAMETER:	<input type="checkbox"/> 2" <input checked="" type="checkbox"/> 4" <input type="checkbox"/> 8"	<input type="checkbox"/> OTHER: _____
IS THE CASING IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
IS THERE A CAP ON THE MONITORING WELL?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF CAP:	<input type="checkbox"/> PVC SLIP CAP <input checked="" type="checkbox"/> J-PLUG <input type="checkbox"/> EXPANSION	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> PRODUCTION W/TUBING	
LOCK MATERIAL:	<input checked="" type="checkbox"/> BRASS	<input type="checkbox"/> STAINLESS STEEL <input type="checkbox"/> OTHER: _____
LOCK SHANK LENGTH (estimated):	<u>2 7/16</u> INCHES	
LOCK LOCATION:	<input type="checkbox"/> WELL CAP <input checked="" type="checkbox"/> MONUMENT <input type="checkbox"/> BOTH	
ANY EVIDENCE OF TAMPERING WITH THE WELL CASING OR CAP?	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
ANY ODORS?	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
IF YES, DESCRIBE ODOR:	<input type="checkbox"/> SOLVENT <input type="checkbox"/> HYDROGEN SULFIDE/ROTTEN EGGS	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> PETROLEUM	
WERE PICTURES TAKEN?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	

COMMON DEFICIENCIES

COMMON DEFICIENCIES:	<input type="checkbox"/> MISSING LOCK	<input type="checkbox"/> RUSTY STICK-UP
	<input type="checkbox"/> RUSTY BOLLARDS	<input type="checkbox"/> MISSING BOLTS
	NUMBER OF BOLTS MISSING: _____	

ADDITIONAL NOTES OR COMMENTS ON CONDITION

New lock installed,

GENERAL CONDITION (CHECK ONE): ☒ GOOD ☐ MODERATE ☐ POOR



NAS Whidbey Island
Oak Harbor, WA
Naval Facilities Engineering Command Northwest

GROUNDWATER MONITORING WELL VISUAL INSPECTION CHECKLIST

DATE(S) (MM/DD/YY): <u>10/16/2021</u>	TIME (HH:MM): <u>1412</u>	WEATHER/TEMPERATURE: <u>Cloudy 50°</u>
INSPECTOR(S): <u>Alex McCarthy, Jeff Fetters</u>		COMPANY: <u>Liberty JV</u>
OU AND SITE: <u>OUI AREA 4</u>	DESCRIPTION: <u>LANDFILL</u>	
WELL ID: <u>Q-S-19</u>	NORTHING: <u>484795.354</u>	EASTING: <u>1201474.280</u>

INSPECTION CHECKLIST

MONITORING WELL LOCATED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
WELL CLEARLY LABELED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
MONUMENT IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF WELL CASING:	<input checked="" type="checkbox"/> STICK-UP	<input type="checkbox"/> FLUSH-MOUNT <input type="checkbox"/> OTHER:
SIZE & NUMBER OF BOLTS ON FLUSH-MOUNT LID:		
SURROUNDING SURFACE MATERIAL:	<input type="checkbox"/> CONCRETE	<input type="checkbox"/> ASPHALT <input checked="" type="checkbox"/> SOIL
	<input type="checkbox"/> OTHER: _____	
CONCRETE APRON:	<input type="checkbox"/> NOT PRESENT	<input checked="" type="checkbox"/> SLOPING AWAY <input type="checkbox"/> SUNKEN
LID CONDITION (STICKUP WELL ONLY):	<input checked="" type="checkbox"/> INTACT AND LOCKABLE	<input type="checkbox"/> DAMAGED
NUMBER OF BOLLARDS:	<u>3</u>	
BOLLARD CONDITION:	<input type="checkbox"/> NOT PRESENT	<input checked="" type="checkbox"/> STILL PLUMB <input type="checkbox"/> DAMAGED: _____
CASING DIAMETER:	<input type="checkbox"/> 2" <input type="checkbox"/> 8"	<input checked="" type="checkbox"/> 4" <input type="checkbox"/> 6" <input type="checkbox"/> OTHER: _____
IS THE CASING IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
IS THERE A CAP ON THE MONITORING WELL?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF CAP:	<input type="checkbox"/> PVC SLIP CAP <input checked="" type="checkbox"/> J-PLUG	<input type="checkbox"/> EXPANSION
	<input type="checkbox"/> PRODUCTION W/TUBING	<input type="checkbox"/> OTHER: _____
LOCK MATERIAL:	<input checked="" type="checkbox"/> BRASS	<input type="checkbox"/> STAINLESS STEEL <input type="checkbox"/> OTHER: _____
LOCK SHANK LENGTH (estimated):	<u>2 7/16</u> INCHES	
LOCK LOCATION:	<input type="checkbox"/> WELL CAP	<input checked="" type="checkbox"/> MONUMENT <input type="checkbox"/> BOTH
ANY EVIDENCE OF TAMPERING WITH THE WELL CASING OR CAP?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
ANY ODORS?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
IF YES, DESCRIBE ODOR:	<input type="checkbox"/> SOLVENT <input type="checkbox"/> HYDROGEN SULFIDE/ROTTEN EGGS	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> PETROLEUM	
WERE PICTURES TAKEN?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO

COMMON DEFICIENCIES

COMMON DEFICIENCIES:	<input type="checkbox"/> MISSING LOCK	<input type="checkbox"/> RUSTY STICK-UP
	<input type="checkbox"/> RUSTY BOLLARDS	<input type="checkbox"/> MISSING BOLTS
	NUMBER OF BOLTS MISSING: _____	

ADDITIONAL NOTES OR COMMENTS ON CONDITION

New lock installed.

GENERAL CONDITION (CHECK ONE): ☒ GOOD ☐ MODERATE ☐ POOR



**NAS Whidbey Island
Oak Harbor, WA
Naval Facilities Engineering Command Northwest**

GROUNDWATER MONITORING WELL VISUAL INSPECTION CHECKLIST

DATE(S) (MM/DD/YY): <u>10/16/2021</u>	TIME (HH:MM): <u>1748</u>	WEATHER/TEMPERATURE: <u>Sunny 50°</u>
INSPECTOR(S): <u>Alex McPartney, Jeff Tetters</u>		COMPANY: <u>Liberty sv.</u>
OU AND SITE: <u>OU1 AREA 6</u>	DESCRIPTION: <u>Landscrew</u>	
WELL ID: <u>6-5-24</u>	NORTHING: <u>486179.525</u>	EASTING: <u>1200119.074</u>

INSPECTION CHECKLIST

MONITORING WELL LOCATED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
WELL CLEARLY LABELED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
MONUMENT IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF WELL CASING:	<input checked="" type="checkbox"/> STICK-UP	<input type="checkbox"/> FLUSH-MOUNT <input type="checkbox"/> OTHER:
SIZE & NUMBER OF BOLTS ON FLUSH-MOUNT LID:		
SURROUNDING SURFACE MATERIAL:	<input type="checkbox"/> CONCRETE <input type="checkbox"/> ASPHALT <input checked="" type="checkbox"/> SOIL	
CONCRETE APRON:	<input type="checkbox"/> OTHER: <u> </u>	
LID CONDITION (STICKUP WELL ONLY):	<input type="checkbox"/> NOT PRESENT <input checked="" type="checkbox"/> SLOPING AWAY <input type="checkbox"/> SUNKEN	
	<input checked="" type="checkbox"/> INTACT AND LOCKABLE <input type="checkbox"/> DAMAGED	
NUMBER OF BOLLARDS:	<u>3</u>	
BOLLARD CONDITION:	<input type="checkbox"/> NOT PRESENT <input checked="" type="checkbox"/> STILL PLUMB <input type="checkbox"/> DAMAGED: <u> </u>	
CASING DIAMETER:	<input type="checkbox"/> 2" <input checked="" type="checkbox"/> 4" <input type="checkbox"/> 6"	
	<input type="checkbox"/> 8" <input type="checkbox"/> OTHER: <u> </u>	
IS THE CASING IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
IS THERE A CAP ON THE MONITORING WELL?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF CAP:	<input type="checkbox"/> PVC SLIP CAP <input checked="" type="checkbox"/> J-PLUG <input type="checkbox"/> EXPANSION	
	<input type="checkbox"/> PRODUCTION W/TUBING <input type="checkbox"/> OTHER: <u> </u>	
LOCK MATERIAL:	<input checked="" type="checkbox"/> BRASS <input type="checkbox"/> STAINLESS STEEL <input type="checkbox"/> OTHER: <u> </u>	
LOCK SHANK LENGTH (estimated):	<u>2 7/16</u> INCHES	
LOCK LOCATION:	<input type="checkbox"/> WELL CAP <input checked="" type="checkbox"/> MONUMENT <input type="checkbox"/> BOTH	
ANY EVIDENCE OF TAMPERING WITH THE WELL CASING OR CAP?	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
ANY ODORS?	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
IF YES, DESCRIBE ODOR:	<input type="checkbox"/> SOLVENT <input type="checkbox"/> HYDROGEN SULFIDE/ROTTEN EGGS	
	<input type="checkbox"/> PETROLEUM <input type="checkbox"/> OTHER: <u> </u>	
WERE PICTURES TAKEN?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	

COMMON DEFICIENCIES

COMMON DEFICIENCIES:	<input type="checkbox"/> MISSING LOCK <input type="checkbox"/> RUSTY STICK-UP
	<input type="checkbox"/> RUSTY BOLLARDS <input type="checkbox"/> MISSING BOLTS
	NUMBER OF BOLTS MISSING: <u> </u>

ADDITIONAL NOTES OR COMMENTS ON CONDITION

New lock installed

GENERAL CONDITION (CHECK ONE): ☒ GOOD ☐ MODERATE ☐ POOR



NAS Whidbey Island
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GROUNDWATER MONITORING WELL VISUAL INSPECTION CHECKLIST

DATE(S) (MM/DD/YY): <u>10/16/2021</u>	TIME (HH:MM): <u>1315</u>	WEATHER/TEMPERATURE: <u>Cloudy 50°</u>
INSPECTOR(S): <u>Alex McLeath, Jeff Fellers</u>		COMPANY: <u>Liberty JV.</u>
OU AND SITE: <u>OU1 Area 6</u>	DESCRIPTION: <u>Landfill</u>	
WELL ID: <u>6-S-25</u>	NORTHING: <u>485495.387</u>	EASTING: <u>1200301.586</u>

INSPECTION CHECKLIST

MONITORING WELL LOCATED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
WELL CLEARLY LABELED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
MONUMENT IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF WELL CASING:	<input checked="" type="checkbox"/> STICK-UP	<input type="checkbox"/> FLUSH-MOUNT <input type="checkbox"/> OTHER:
SIZE & NUMBER OF BOLTS ON FLUSH-MOUNT LID:		
SURROUNDING SURFACE MATERIAL:	<input type="checkbox"/> CONCRETE	<input type="checkbox"/> ASPHALT <input checked="" type="checkbox"/> SOIL
	<input type="checkbox"/> OTHER: _____	
CONCRETE APRON:	<input type="checkbox"/> NOT PRESENT	<input checked="" type="checkbox"/> SLOPING AWAY <input type="checkbox"/> SUNKEN
LID CONDITION (STICKUP WELL ONLY):	<input checked="" type="checkbox"/> INTACT AND LOCKABLE	<input type="checkbox"/> DAMAGED
NUMBER OF BOLLARDS:	<u>3</u>	
BOLLARD CONDITION:	<input type="checkbox"/> NOT PRESENT	<input checked="" type="checkbox"/> STILL PLUMB <input type="checkbox"/> DAMAGED: _____
CASING DIAMETER:	<input type="checkbox"/> 2" <input type="checkbox"/> 8"	<input checked="" type="checkbox"/> 4" <input type="checkbox"/> 6" <input type="checkbox"/> OTHER: _____
IS THE CASING IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
IS THERE A CAP ON THE MONITORING WELL?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF CAP:	<input type="checkbox"/> PVC SLIP CAP <input checked="" type="checkbox"/> J-PLUG	<input type="checkbox"/> EXPANSION
	<input type="checkbox"/> PRODUCTION W/TUBING	<input type="checkbox"/> OTHER: _____
LOCK MATERIAL:	<input checked="" type="checkbox"/> BRASS	<input type="checkbox"/> STAINLESS STEEL <input type="checkbox"/> OTHER: _____
LOCK SHANK LENGTH (estimated):	<u>2 7/8</u> INCHES	
LOCK LOCATION:	<input type="checkbox"/> WELL CAP	<input checked="" type="checkbox"/> MONUMENT <input type="checkbox"/> BOTH
ANY EVIDENCE OF TAMPERING WITH THE WELL CASING OR CAP?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
ANY ODORS?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
IF YES, DESCRIBE ODOR:	<input type="checkbox"/> SOLVENT <input type="checkbox"/> HYDROGEN SULFIDE/ROTTEN EGGS	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> PETROLEUM	
WERE PICTURES TAKEN?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO

COMMON DEFICIENCIES

COMMON DEFICIENCIES:	<input type="checkbox"/> MISSING LOCK	<input type="checkbox"/> RUSTY STICK-UP
	<input type="checkbox"/> RUSTY BOLLARDS	<input type="checkbox"/> MISSING BOLTS
	NUMBER OF BOLTS MISSING: _____	

ADDITIONAL NOTES OR COMMENTS ON CONDITION

New lock installed

GENERAL CONDITION (CHECK ONE): ☒ GOOD ☐ MODERATE ☐ POOR



NAS Whidbey Island
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GROUNDWATER MONITORING WELL VISUAL INSPECTION CHECKLIST

DATE(S) (MM/DD/YY): <u>10/16/2021</u>	TIME (HH:MM): <u>1521</u>	WEATHER/TEMPERATURE: <u>Cloudy 58°</u>
INSPECTOR(S): <u>Alex McElrath, Jeff Fellers</u>		COMPANY: <u>Liberty JV.</u>
OU AND SITE: <u>OU1 Area 6</u>	DESCRIPTION: <u>Land Well</u>	
WELL ID: <u>6-5-29</u>	NORTHING: <u>488335.748</u>	EASTING: <u>1200909.457</u>

INSPECTION CHECKLIST

MONITORING WELL LOCATED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
WELL CLEARLY LABELED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
MONUMENT IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF WELL CASING:	<input checked="" type="checkbox"/> STICK-UP	<input type="checkbox"/> FLUSH-MOUNT <input type="checkbox"/> OTHER:
SIZE & NUMBER OF BOLTS ON FLUSH-MOUNT LID:		
SURROUNDING SURFACE MATERIAL:	<input type="checkbox"/> CONCRETE	<input type="checkbox"/> ASPHALT <input checked="" type="checkbox"/> SOIL
CONCRETE APRON:	<input type="checkbox"/> NOT PRESENT	<input checked="" type="checkbox"/> SLOPING AWAY <input type="checkbox"/> SUNKEN
LID CONDITION (STICKUP WELL ONLY):	<input checked="" type="checkbox"/> INTACT AND LOCKABLE	<input type="checkbox"/> DAMAGED
NUMBER OF BOLLARDS:	<u>3</u>	
BOLLARD CONDITION:	<input type="checkbox"/> NOT PRESENT	<input checked="" type="checkbox"/> STILL PLUMB <input type="checkbox"/> DAMAGED: _____
CASING DIAMETER:	<input type="checkbox"/> 2" <input checked="" type="checkbox"/> 4" <input type="checkbox"/> 6" <input type="checkbox"/> 8"	<input type="checkbox"/> OTHER: _____
IS THE CASING IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
IS THERE A CAP ON THE MONITORING WELL?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF CAP:	<input type="checkbox"/> PVC SLIP CAP <input checked="" type="checkbox"/> J-PLUG <input type="checkbox"/> EXPANSION	<input type="checkbox"/> PRODUCTION W/TUBING <input type="checkbox"/> OTHER: _____
LOCK MATERIAL:	<input checked="" type="checkbox"/> BRASS	<input type="checkbox"/> STAINLESS STEEL <input type="checkbox"/> OTHER: _____
LOCK SHANK LENGTH (estimated):	<u>2 7/16</u> INCHES	
LOCK LOCATION:	<input type="checkbox"/> WELL CAP <input checked="" type="checkbox"/> MONUMENT <input type="checkbox"/> BOTH	
ANY EVIDENCE OF TAMPERING WITH THE WELL CASING OR CAP?	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
ANY ODORS?	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
IF YES, DESCRIBE ODOR:	<input type="checkbox"/> SOLVENT <input type="checkbox"/> HYDROGEN SULFIDE/ROTTEN EGGS	<input type="checkbox"/> PETROLEUM <input type="checkbox"/> OTHER: _____
WERE PICTURES TAKEN?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	

COMMON DEFICIENCIES

COMMON DEFICIENCIES:	<input type="checkbox"/> MISSING LOCK	<input type="checkbox"/> RUSTY STICK-UP
	<input type="checkbox"/> RUSTY BOLLARDS	<input type="checkbox"/> MISSING BOLTS
		NUMBER OF BOLTS MISSING: _____

ADDITIONAL NOTES OR COMMENTS ON CONDITION

New lock installed.

GENERAL CONDITION (CHECK ONE): ☒ GOOD ☐ MODERATE ☐ POOR



**NAS Whidbey Island
Oak Harbor, WA
Naval Facilities Engineering Command Northwest**

GROUNDWATER MONITORING WELL VISUAL INSPECTION CHECKLIST

DATE(S) (MM/DD/YY): <u>10/16/2021</u>	TIME (HH:MM): <u>1352</u>	WEATHER/TEMPERATURE: <u>Cloudy 50°</u>
INSPECTOR(S): <u>Alex McEnty, Jeff Fellers</u>		COMPANY: <u>Liberty JV</u>
OU AND SITE: <u>OU1 Area 6</u>	DESCRIPTION: <u>LANDFILL</u>	
WELL ID: <u>6-S-27</u>	NORTHING: <u>485091.939</u>	EASTING: <u>1200399.970</u>

INSPECTION CHECKLIST

MONITORING WELL LOCATED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
WELL CLEARLY LABELED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
MONUMENT IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF WELL CASING:	<input checked="" type="checkbox"/> STICK-UP	<input type="checkbox"/> FLUSH-MOUNT <input type="checkbox"/> OTHER:
SIZE & NUMBER OF BOLTS ON FLUSH-MOUNT LID:		
SURROUNDING SURFACE MATERIAL:	<input type="checkbox"/> CONCRETE	<input type="checkbox"/> ASPHALT <input checked="" type="checkbox"/> SOIL
	<input type="checkbox"/> OTHER: _____	
CONCRETE APRON:	<input checked="" type="checkbox"/> NOT PRESENT	<input type="checkbox"/> SLOPING AWAY <input checked="" type="checkbox"/> SUNKEN
LID CONDITION (STICKUP WELL ONLY):	<input checked="" type="checkbox"/> INTACT AND LOCKABLE	<input type="checkbox"/> DAMAGED
NUMBER OF BOLLARDS:	<u>3</u>	
BOLLARD CONDITION:	<input type="checkbox"/> NOT PRESENT	<input checked="" type="checkbox"/> STILL PLUMB <input type="checkbox"/> DAMAGED: _____
CASING DIAMETER:	<input type="checkbox"/> 2" <input type="checkbox"/> 8"	<input checked="" type="checkbox"/> 4" <input type="checkbox"/> 6" <input type="checkbox"/> OTHER: _____
IS THE CASING IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
IS THERE A CAP ON THE MONITORING WELL?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF CAP:	<input type="checkbox"/> PVC SLIP CAP <input type="checkbox"/> PRODUCTION W/TUBING	<input checked="" type="checkbox"/> J-PLUG <input type="checkbox"/> EXPANSION <input type="checkbox"/> OTHER: _____
LOCK MATERIAL:	<input checked="" type="checkbox"/> BRASS	<input type="checkbox"/> STAINLESS STEEL <input type="checkbox"/> OTHER: _____
LOCK SHANK LENGTH (estimated):	_____ INCHES	
LOCK LOCATION:	<input checked="" type="checkbox"/> WELL CAP	<input type="checkbox"/> MONUMENT <input type="checkbox"/> BOTH
ANY EVIDENCE OF TAMPERING WITH THE WELL CASING OR CAP?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
ANY ODORS?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
IF YES, DESCRIBE ODOR:	<input type="checkbox"/> SOLVENT <input type="checkbox"/> PETROLEUM	<input type="checkbox"/> HYDROGEN SULFIDE/ROTTEN EGGS <input type="checkbox"/> OTHER: _____
WERE PICTURES TAKEN?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO

COMMON DEFICIENCIES

COMMON DEFICIENCIES:	<input type="checkbox"/> MISSING LOCK	<input type="checkbox"/> RUSTY STICK-UP
	<input type="checkbox"/> RUSTY BOLLARDS	<input type="checkbox"/> MISSING BOLTS
	NUMBER OF BOLTS MISSING: _____	

ADDITIONAL NOTES OR COMMENTS ON CONDITION

New lock installed

GENERAL CONDITION (CHECK ONE): ☒ GOOD ☐ MODERATE ☐ POOR



NAS Whidbey Island
Oak Harbor, WA
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GROUNDWATER MONITORING WELL VISUAL INSPECTION CHECKLIST

DATE(S) (MM/DD/YY): <u>10/16/2021</u>	TIME (HH:MM): <u>1413</u>	WEATHER/TEMPERATURE: <u>Cloudy 50°</u>
INSPECTOR(S): <u>Alex McEnty, Jeff Fetters</u>		COMPANY: <u>Liberty JV.</u>
OU AND SITE: <u>OU1 AREA 6</u>	DESCRIPTION: <u>LANDFILL</u>	
WELL ID: <u>6-3-29</u>	NORTHING: <u>484868.454</u>	EASTING: <u>1201178.203.</u>

INSPECTION CHECKLIST

MONITORING WELL LOCATED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
WELL CLEARLY LABELED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
MONUMENT IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF WELL CASING:	<input checked="" type="checkbox"/> STICK-UP	<input type="checkbox"/> FLUSH-MOUNT <input type="checkbox"/> OTHER:
SIZE & NUMBER OF BOLTS ON FLUSH-MOUNT LID:		
SURROUNDING SURFACE MATERIAL:	<input type="checkbox"/> CONCRETE	<input type="checkbox"/> ASPHALT <input checked="" type="checkbox"/> SOIL
	<input type="checkbox"/> OTHER:	
CONCRETE APRON:	<input type="checkbox"/> NOT PRESENT	<input checked="" type="checkbox"/> SLOPING AWAY <input type="checkbox"/> SUNKEN
LID CONDITION (STICKUP WELL ONLY):	<input checked="" type="checkbox"/> INTACT AND LOCKABLE	<input type="checkbox"/> DAMAGED
NUMBER OF BOLLARDS:	<u>3</u>	
BOLLARD CONDITION:	<input type="checkbox"/> NOT PRESENT	<input checked="" type="checkbox"/> STILL PLUMB <input type="checkbox"/> DAMAGED: _____
CASING DIAMETER:	<input type="checkbox"/> 2" <input type="checkbox"/> 8"	<input checked="" type="checkbox"/> 4" <input type="checkbox"/> 6" <input type="checkbox"/> OTHER: _____
IS THE CASING IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
IS THERE A CAP ON THE MONITORING WELL?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF CAP:	<input type="checkbox"/> PVC SLIP CAP <input type="checkbox"/> PRODUCTION W/TUBING	<input checked="" type="checkbox"/> J-PLUG <input type="checkbox"/> EXPANSION <input type="checkbox"/> OTHER: _____
LOCK MATERIAL:	<input checked="" type="checkbox"/> BRASS	<input type="checkbox"/> STAINLESS STEEL <input type="checkbox"/> OTHER: _____
LOCK SHANK LENGTH (estimated):	<u>2 7/16</u> INCHES	
LOCK LOCATION:	<input type="checkbox"/> WELL CAP	<input checked="" type="checkbox"/> MONUMENT <input type="checkbox"/> BOTH
ANY EVIDENCE OF TAMPERING WITH THE WELL CASING OR CAP?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
ANY ODORS?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
IF YES, DESCRIBE ODOR:	<input type="checkbox"/> SOLVENT <input type="checkbox"/> PETROLEUM	<input type="checkbox"/> HYDROGEN SULFIDE/ROTTEN EGGS <input type="checkbox"/> OTHER: _____
WERE PICTURES TAKEN?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO

COMMON DEFICIENCIES

COMMON DEFICIENCIES:	<input type="checkbox"/> MISSING LOCK	<input type="checkbox"/> RUSTY STICK-UP
	<input type="checkbox"/> RUSTY BOLLARDS	<input type="checkbox"/> MISSING BOLTS
	NUMBER OF BOLTS MISSING: _____	

ADDITIONAL NOTES OR COMMENTS ON CONDITION

New lock installed

GENERAL CONDITION (CHECK ONE): ☒ GOOD ☐ MODERATE ☐ POOR



NAS Whidbey Island
Oak Harbor, WA
Naval Facilities Engineering Command Northwest

GROUNDWATER MONITORING WELL VISUAL INSPECTION CHECKLIST

DATE(S) (MM/DD/YY): <u>10/16/2021</u>	TIME (HH:MM): <u>1245</u>	WEATHER/TEMPERATURE: <u>Cloudy 50°</u>
INSPECTOR(S): <u>Alex McCarthy, Jeff Fetters</u>		COMPANY: <u>Liberty JV.</u>
LOCATION AND SITE: <u>OWI AREA 6</u>	DESCRIPTION: <u>LANDFILL</u>	
WELL ID: <u>6-S-30</u>	NORTHING: <u>487849.337</u>	EASTING: <u>1200431.417</u>

INSPECTION CHECKLIST

MONITORING WELL LOCATED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
WELL CLEARLY LABELED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
MONUMENT IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF WELL CASING:	<input checked="" type="checkbox"/> STICK-UP	<input type="checkbox"/> FLUSH-MOUNT <input type="checkbox"/> OTHER:
SIZE & NUMBER OF BOLTS ON FLUSH-MOUNT LID:		
SURROUNDING SURFACE MATERIAL:	<input type="checkbox"/> CONCRETE <input type="checkbox"/> ASPHALT <input checked="" type="checkbox"/> SOIL	
CONCRETE APRON:	<input type="checkbox"/> OTHER: <u> </u>	
LID CONDITION (STICKUP WELL ONLY):	<input type="checkbox"/> NOT PRESENT <input checked="" type="checkbox"/> SLOPING AWAY <input type="checkbox"/> SUNKEN	
	<input checked="" type="checkbox"/> INTACT AND LOCKABLE <input type="checkbox"/> DAMAGED	
NUMBER OF BOLLARDS:	<u>3</u>	
BOLLARD CONDITION:	<input type="checkbox"/> NOT PRESENT <input checked="" type="checkbox"/> STILL PLUMB <input type="checkbox"/> DAMAGED: <u> </u>	
CASING DIAMETER:	<input type="checkbox"/> 2" <input checked="" type="checkbox"/> 4" <input type="checkbox"/> 6"	
	<input type="checkbox"/> 8" <input type="checkbox"/> OTHER: <u> </u>	
IS THE CASING IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	
IS THERE A CAP ON THE MONITORING WELL?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	
TYPE OF CAP:	<input type="checkbox"/> PVC SLIP CAP <input checked="" type="checkbox"/> J-PLUG <input type="checkbox"/> EXPANSION	
	<input type="checkbox"/> PRODUCTION W/TUBING <input type="checkbox"/> OTHER: <u> </u>	
LOCK MATERIAL:	<input checked="" type="checkbox"/> BRASS <input type="checkbox"/> STAINLESS STEEL <input type="checkbox"/> OTHER: <u> </u>	
LOCK SHANK LENGTH (estimated):	<u>27 1/6</u> INCHES	
LOCK LOCATION:	<input type="checkbox"/> WELL CAP <input checked="" type="checkbox"/> MONUMENT <input type="checkbox"/> BOTH	
ANY EVIDENCE OF TAMPERING WITH THE WELL CASING OR CAP?	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
ANY ODORS?	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
IF YES, DESCRIBE ODOR:	<input type="checkbox"/> SOLVENT <input type="checkbox"/> HYDROGEN SULFIDE/ROTTEN EGGS	
	<input type="checkbox"/> PETROLEUM <input type="checkbox"/> OTHER: <u> </u>	
WERE PICTURES TAKEN?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	

COMMON DEFICIENCIES

COMMON DEFICIENCIES:	<input type="checkbox"/> MISSING LOCK <input type="checkbox"/> RUSTY STICK-UP
	<input type="checkbox"/> RUSTY BOLLARDS <input type="checkbox"/> MISSING BOLTS
	NUMBER OF BOLTS MISSING: <u> </u>

ADDITIONAL NOTES OR COMMENTS ON CONDITION

New lock installed.

GENERAL CONDITION (CHECK ONE): ☒ GOOD ☐ MODERATE ☐ POOR



NAS Whidbey Island
Oak Harbor, WA
Naval Facilities Engineering Command Northwest

GROUNDWATER MONITORING WELL VISUAL INSPECTION CHECKLIST

DATE(S) (MM/DD/YY): <u>10/16/2021</u>	TIME (HH:MM): <u>1253</u>	WEATHER/TEMPERATURE: <u>Cloudy 58°</u>
INSPECTOR(S): <u>Alex McConthy, Jeff Fettes</u>		COMPANY: <u>Liberty JV</u>
LOCATION AND SITE: <u>OUI AREA 6</u>	DESCRIPTION: <u>LANDFILL</u>	
WELL ID: <u>6-S-31</u>	NORTHING: <u>487468.929</u>	EASTING: <u>1200414.862</u>

INSPECTION CHECKLIST

MONITORING WELL LOCATED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
WELL CLEARLY LABELED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
MONUMENT IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF WELL CASING:	<input checked="" type="checkbox"/> STICK-UP	<input type="checkbox"/> FLUSH-MOUNT <input type="checkbox"/> OTHER:
SIZE & NUMBER OF BOLTS ON FLUSH-MOUNT LID:		
SURROUNDING SURFACE MATERIAL:	<input type="checkbox"/> CONCRETE <input type="checkbox"/> ASPHALT <input checked="" type="checkbox"/> SOIL	
CONCRETE APRON:	<input type="checkbox"/> OTHER: <u> </u>	
LID CONDITION (STICKUP WELL ONLY):	<input type="checkbox"/> NOT PRESENT <input checked="" type="checkbox"/> SLOPING AWAY <input type="checkbox"/> SUNKEN	
	<input type="checkbox"/> INTACT AND LOCKABLE <input type="checkbox"/> DAMAGED	
NUMBER OF BOLLARDS:	<u>3</u>	
BOLLARD CONDITION:	<input type="checkbox"/> NOT PRESENT <input checked="" type="checkbox"/> STILL PLUMB <input type="checkbox"/> DAMAGED: <u> </u>	
CASING DIAMETER:	<input type="checkbox"/> 2" <input checked="" type="checkbox"/> 4" <input type="checkbox"/> 6"	
	<input type="checkbox"/> 8" <input type="checkbox"/> OTHER: <u> </u>	
IS THE CASING IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
IS THERE A CAP ON THE MONITORING WELL?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF CAP:	<input type="checkbox"/> PVC SLIP CAP <input checked="" type="checkbox"/> J-PLUG <input type="checkbox"/> EXPANSION	
	<input type="checkbox"/> PRODUCTION W/TUBING <input type="checkbox"/> OTHER: <u> </u>	
LOCK MATERIAL:	<input checked="" type="checkbox"/> BRASS <input type="checkbox"/> STAINLESS STEEL <input type="checkbox"/> OTHER: <u> </u>	
LOCK SHANK LENGTH (estimated):	<u>2 7/16</u> INCHES	
LOCK LOCATION:	<input type="checkbox"/> WELL CAP <input checked="" type="checkbox"/> MONUMENT <input type="checkbox"/> BOTH	
ANY EVIDENCE OF TAMPERING WITH THE WELL CASING OR CAP?	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
ANY ODORS?	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
IF YES, DESCRIBE ODOR:	<input type="checkbox"/> SOLVENT <input type="checkbox"/> HYDROGEN SULFIDE/ROTTEN EGGS	
	<input type="checkbox"/> PETROLEUM <input type="checkbox"/> OTHER: <u> </u>	
WERE PICTURES TAKEN?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	

COMMON DEFICIENCIES

COMMON DEFICIENCIES:	<input type="checkbox"/> MISSING LOCK <input type="checkbox"/> RUSTY STICK-UP
	<input type="checkbox"/> RUSTY BOLLARDS <input type="checkbox"/> MISSING BOLTS
	NUMBER OF BOLTS MISSING: <u> </u>

ADDITIONAL NOTES OR COMMENTS ON CONDITION

New lock installed

GENERAL CONDITION (CHECK ONE): ☒ GOOD ☐ MODERATE ☐ POOR



NAS Whidbey Island
Oak Harbor, WA
Naval Facilities Engineering Command Northwest

GROUNDWATER MONITORING WELL VISUAL INSPECTION CHECKLIST

DATE(S) (MM/DD/YY): <u>10/16/2021</u>	TIME (HH:MM): <u>1550</u>	WEATHER/TEMPERATURE: <u>Cloudy 50°</u>
INSPECTOR(S): <u>Alex McConthy, Jeff Fetters</u>		COMPANY: <u>Liberty JV</u>
OU AND SITE: <u>OU1 Area 6</u>	DESCRIPTION: <u>LANDFILL</u>	
WELL ID: <u>N6-37</u>	NORTHING: <u>4187499.200</u>	EASTING: <u>1200709.00</u>

INSPECTION CHECKLIST

MONITORING WELL LOCATED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
WELL CLEARLY LABELED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
MONUMENT IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF WELL CASING:	<input checked="" type="checkbox"/> STICK-UP	<input type="checkbox"/> FLUSH-MOUNT <input type="checkbox"/> OTHER:
SIZE & NUMBER OF BOLTS ON FLUSH-MOUNT LID:		
SURROUNDING SURFACE MATERIAL:	<input type="checkbox"/> CONCRETE <input type="checkbox"/> ASPHALT <input checked="" type="checkbox"/> SOIL	
	<input type="checkbox"/> OTHER: _____	
CONCRETE APRON:	<input type="checkbox"/> NOT PRESENT <input checked="" type="checkbox"/> SLOPING AWAY <input type="checkbox"/> SUNKEN	
LID CONDITION (STICKUP WELL ONLY):	<input checked="" type="checkbox"/> INTACT AND LOCKABLE <input type="checkbox"/> DAMAGED	
NUMBER OF BOLLARDS:	<u>3</u>	
BOLLARD CONDITION:	<input type="checkbox"/> NOT PRESENT <input checked="" type="checkbox"/> STILL PLUMB <input type="checkbox"/> DAMAGED: _____	
CASING DIAMETER:	<input checked="" type="checkbox"/> 2" <input type="checkbox"/> 4" <input type="checkbox"/> 6" <input type="checkbox"/> 8" <input type="checkbox"/> OTHER: _____	
IS THE CASING IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	
IS THERE A CAP ON THE MONITORING WELL?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	
TYPE OF CAP:	<input type="checkbox"/> PVC SLIP CAP <input checked="" type="checkbox"/> J-PLUG <input type="checkbox"/> EXPANSION	
	<input type="checkbox"/> PRODUCTION W/TUBING <input type="checkbox"/> OTHER: _____	
LOCK MATERIAL:	<input checked="" type="checkbox"/> BRASS <input type="checkbox"/> STAINLESS STEEL <input type="checkbox"/> OTHER: _____	
LOCK SHANK LENGTH (estimated):	<u>2 3/16</u> INCHES	
LOCK LOCATION:	<input type="checkbox"/> WELL CAP <input checked="" type="checkbox"/> MONUMENT <input type="checkbox"/> BOTH	
ANY EVIDENCE OF TAMPERING WITH THE WELL CASING OR CAP?	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
ANY ODORS?	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
IF YES, DESCRIBE ODOR:	<input type="checkbox"/> SOLVENT <input type="checkbox"/> HYDROGEN SULFIDE/ROTTEN EGGS <input type="checkbox"/> OTHER: _____	
	<input type="checkbox"/> PETROLEUM	
WERE PICTURES TAKEN?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	

COMMON DEFICIENCIES

COMMON DEFICIENCIES:	<input type="checkbox"/> MISSING LOCK <input type="checkbox"/> RUSTY STICK-UP
	<input type="checkbox"/> RUSTY BOLLARDS <input type="checkbox"/> MISSING BOLTS
	NUMBER OF BOLTS MISSING: _____

ADDITIONAL NOTES OR COMMENTS ON CONDITION

New lock installed
Bollards not centered around well

GENERAL CONDITION (CHECK ONE):	<input checked="" type="checkbox"/> GOOD <input type="checkbox"/> MODERATE <input type="checkbox"/> POOR
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NAS Whidbey Island
Oak Harbor, WA
Naval Facilities Engineering Command Northwest

GROUNDWATER MONITORING WELL VISUAL INSPECTION CHECKLIST

DATE(S) (MM/DD/YY): <u>10/16/2021</u>	TIME (HH:MM): <u>1512</u>	WEATHER/TEMPERATURE: <u>Cloudy 50°</u>
INSPECTOR(S): <u>Alex McCarthy, Jeff Fetters</u>		COMPANY: <u>Liberty JV.</u>
OU AND SITE: <u>OU1 AREA 6</u>	DESCRIPTION: <u>LANDFILL</u>	
WELL ID: <u>N6-38</u>	NORTHING: <u>487721.00</u>	EASTING: <u>1200538.00</u>

INSPECTION CHECKLIST

MONITORING WELL LOCATED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
WELL CLEARLY LABELED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
MONUMENT IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF WELL CASING:	<input checked="" type="checkbox"/> STICK-UP	<input type="checkbox"/> FLUSH-MOUNT <input type="checkbox"/> OTHER:
SIZE & NUMBER OF BOLTS ON FLUSH-MOUNT LID:		
SURROUNDING SURFACE MATERIAL:	<input type="checkbox"/> CONCRETE	<input type="checkbox"/> ASPHALT <input checked="" type="checkbox"/> SOIL
	<input type="checkbox"/> OTHER: _____	
CONCRETE APRON:	<input type="checkbox"/> NOT PRESENT	<input checked="" type="checkbox"/> SLOPING AWAY <input type="checkbox"/> SUNKEN
LID CONDITION (STICKUP WELL ONLY):	<input checked="" type="checkbox"/> INTACT AND LOCKABLE	<input type="checkbox"/> DAMAGED
NUMBER OF BOLLARDS:	<u>0</u>	
BOLLARD CONDITION:	<input checked="" type="checkbox"/> NOT PRESENT	<input type="checkbox"/> STILL PLUMB <input type="checkbox"/> DAMAGED: _____
CASING DIAMETER:	<input checked="" type="checkbox"/> 2"	<input type="checkbox"/> 4" <input type="checkbox"/> 6"
	<input type="checkbox"/> 8"	<input type="checkbox"/> OTHER: _____
IS THE CASING IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
IS THERE A CAP ON THE MONITORING WELL?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF CAP:	<input type="checkbox"/> PVC SLIP CAP	<input checked="" type="checkbox"/> J-PLUG <input type="checkbox"/> EXPANSION
	<input type="checkbox"/> PRODUCTION W/TUBING	<input type="checkbox"/> OTHER: _____
LOCK MATERIAL:	<input type="checkbox"/> BRASS	<input type="checkbox"/> STAINLESS STEEL <input type="checkbox"/> OTHER: _____
LOCK SHANK LENGTH (estimated):	<u>2 7/16</u> INCHES	
LOCK LOCATION:	<input type="checkbox"/> WELL CAP	<input checked="" type="checkbox"/> MONUMENT <input type="checkbox"/> BOTH
ANY EVIDENCE OF TAMPERING WITH THE WELL CASING OR CAP?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
ANY ODORS?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
IF YES, DESCRIBE ODOR:	<input type="checkbox"/> SOLVENT	<input type="checkbox"/> HYDROGEN SULFIDE/ROTTEN EGGS
	<input type="checkbox"/> PETROLEUM	<input type="checkbox"/> OTHER: _____
WERE PICTURES TAKEN?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO

COMMON DEFICIENCIES

COMMON DEFICIENCIES:	<input type="checkbox"/> MISSING LOCK	<input type="checkbox"/> RUSTY STICK-UP
	<input type="checkbox"/> RUSTY BOLLARDS	<input type="checkbox"/> MISSING BOLTS
		NUMBER OF BOLTS MISSING: _____

ADDITIONAL NOTES OR COMMENTS ON CONDITION

*New lock installed
No bollards.*

GENERAL CONDITION (CHECK ONE): ☒ GOOD ☐ MODERATE ☐ POOR



**NAS Whidbey Island
Oak Harbor, WA
Naval Facilities Engineering Command Northwest**

GROUNDWATER MONITORING WELL VISUAL INSPECTION CHECKLIST

DATE(S) (MM/DD/YY): <u>10/14/2021</u>	TIME (HH:MM): <u>755</u>	WEATHER/TEMPERATURE: <u>Rainy 53°</u>
INSPECTOR(S): <u>Alex McEnteny, Jeff Fellers</u>		COMPANY: <u>Liberty JV</u>
OU AND SITE: <u>OC1 Area 6</u>	DESCRIPTION: <u>LANDFILL</u>	
WELL ID: <u>6-5-40</u>	NORTHING: <u>485727.00</u>	EASTING: <u>1203046.00</u>

INSPECTION CHECKLIST

MONITORING WELL LOCATED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
WELL CLEARLY LABELED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
MONUMENT IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF WELL CASING:	<input type="checkbox"/> STICK-UP	<input checked="" type="checkbox"/> FLUSH-MOUNT <input type="checkbox"/> OTHER:
SIZE & NUMBER OF BOLTS ON FLUSH-MOUNT LID: <u>3 x 9/16</u>		
SURROUNDING SURFACE MATERIAL:	<input type="checkbox"/> CONCRETE <input type="checkbox"/> ASPHALT	<input checked="" type="checkbox"/> SOIL
	<input type="checkbox"/> OTHER: _____	
CONCRETE APRON:	<input type="checkbox"/> NOT PRESENT	<input checked="" type="checkbox"/> SLOPING AWAY <input type="checkbox"/> SUNKEN
LID CONDITION (STICKUP WELL ONLY):	<input type="checkbox"/> INTACT AND LOCKABLE	<input type="checkbox"/> DAMAGED
NUMBER OF BOLLARDS:	_____	
BOLLARD CONDITION:	<input type="checkbox"/> NOT PRESENT	<input type="checkbox"/> STILL PLUMB <input type="checkbox"/> DAMAGED: _____
CASING DIAMETER:	<input checked="" type="checkbox"/> 2" <input type="checkbox"/> 8"	<input type="checkbox"/> 4" <input type="checkbox"/> 6" <input type="checkbox"/> OTHER: _____
IS THE CASING IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
IS THERE A CAP ON THE MONITORING WELL?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF CAP:	<input type="checkbox"/> PVC SLIP CAP <input type="checkbox"/> PRODUCTION W/TUBING	<input checked="" type="checkbox"/> J-PLUG <input type="checkbox"/> EXPANSION <input type="checkbox"/> OTHER: _____
LOCK MATERIAL:	<input checked="" type="checkbox"/> BRASS	<input type="checkbox"/> STAINLESS STEEL <input type="checkbox"/> OTHER: _____
LOCK SHANK LENGTH (estimated): <u>2 7/16</u> INCHES		
LOCK LOCATION:	<input checked="" type="checkbox"/> WELL CAP	<input type="checkbox"/> MONUMENT <input type="checkbox"/> BOTH
ANY EVIDENCE OF TAMPERING WITH THE WELL CASING OR CAP?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
ANY ODORS?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
IF YES, DESCRIBE ODOR:	<input type="checkbox"/> SOLVENT <input checked="" type="checkbox"/> PETROLEUM	<input type="checkbox"/> HYDROGEN SULFIDE/ROTTEN EGGS <input type="checkbox"/> OTHER: _____
WERE PICTURES TAKEN?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO

COMMON DEFICIENCIES

COMMON DEFICIENCIES:	<input type="checkbox"/> MISSING LOCK <input type="checkbox"/> RUSTY STICK-UP
	<input type="checkbox"/> RUSTY BOLLARDS <input type="checkbox"/> MISSING BOLTS
	NUMBER OF BOLTS MISSING: _____

ADDITIONAL NOTES OR COMMENTS ON CONDITION

New lock installed

GENERAL CONDITION (CHECK ONE): ☒ GOOD ☐ MODERATE ☐ POOR



NAS Whidbey Island
Oak Harbor, WA
Naval Facilities Engineering Command Northwest

GROUNDWATER MONITORING WELL VISUAL INSPECTION CHECKLIST

DATE(S) (MM DD YY): <u>10/17/2021</u>	TIME (HH:MM): <u>801</u>	WEATHER/TEMPERATURE: <u>Rainy 53°</u>
INSPECTOR(S): <u>Alex McCarthy, Jesse Fetters</u>		COMPANY: <u>Liberty JV.</u>
OU AND SITE: <u>OU1 Area 6</u>	DESCRIPTION: <u>LANDFILL</u>	
WELL ID: <u>6-S-41</u>	NORTHING: <u>485062.00</u>	EASTING: <u>1202556.00</u>

INSPECTION CHECKLIST

MONITORING WELL LOCATED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
WELL CLEARLY LABELED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
MONUMENT IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF WELL CASING:	<input type="checkbox"/> STICK-UP	<input checked="" type="checkbox"/> FLUSH-MOUNT <input type="checkbox"/> OTHER:
SIZE & NUMBER OF BOLTS ON FLUSH-MOUNT LID: <u>0 x 9/16</u>		
SURROUNDING SURFACE MATERIAL:	<input type="checkbox"/> CONCRETE	<input type="checkbox"/> ASPHALT <input checked="" type="checkbox"/> SOIL
CONCRETE APRON:	<input type="checkbox"/> NOT PRESENT	<input checked="" type="checkbox"/> SLOPING AWAY <input type="checkbox"/> SUNKEN
LID CONDITION (STICKUP WELL ONLY):	<input type="checkbox"/> INTACT AND LOCKABLE	<input type="checkbox"/> DAMAGED
NUMBER OF BOLLARDS:		
BOLLARD CONDITION:	<input type="checkbox"/> NOT PRESENT	<input type="checkbox"/> STILL PLUMB <input type="checkbox"/> DAMAGED: _____
CASING DIAMETER:	<input checked="" type="checkbox"/> 2" <input type="checkbox"/> 8"	<input type="checkbox"/> 4" <input type="checkbox"/> 6" <input type="checkbox"/> OTHER: _____
IS THE CASING IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
IS THERE A CAP ON THE MONITORING WELL?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF CAP:	<input type="checkbox"/> PVC SLIP CAP <input checked="" type="checkbox"/> J-PLUG <input type="checkbox"/> EXPANSION	<input type="checkbox"/> PRODUCTION W/TUBING <input type="checkbox"/> OTHER: _____
LOCK MATERIAL:	<input checked="" type="checkbox"/> BRASS	<input type="checkbox"/> STAINLESS STEEL <input type="checkbox"/> OTHER: _____
LOCK SHANK LENGTH (estimated): <u>2 1/4</u> INCHES		
LOCK LOCATION:	<input checked="" type="checkbox"/> WELL CAP	<input type="checkbox"/> MONUMENT <input type="checkbox"/> BOTH
ANY EVIDENCE OF TAMPERING WITH THE WELL CASING OR CAP?	<input type="checkbox"/> YES	<input type="checkbox"/> NO
ANY ODORS?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
IF YES, DESCRIBE ODOR:	<input type="checkbox"/> SOLVENT <input checked="" type="checkbox"/> PETROLEUM	<input type="checkbox"/> HYDROGEN SULFIDE/ROTTEN EGGS <input type="checkbox"/> OTHER: _____
WERE PICTURES TAKEN?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO

COMMON DEFICIENCIES

COMMON DEFICIENCIES:	<input type="checkbox"/> MISSING LOCK	<input type="checkbox"/> RUSTY STICK-UP
	<input type="checkbox"/> RUSTY BOLLARDS	<input checked="" type="checkbox"/> MISSING BOLTS
		NUMBER OF BOLTS MISSING: _____

ADDITIONAL NOTES OR COMMENTS ON CONDITION

New lock installed

GENERAL CONDITION (CHECK ONE):	<input checked="" type="checkbox"/> GOOD	<input type="checkbox"/> MODERATE	<input type="checkbox"/> POOR
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NAS Whidbey Island
Oak Harbor, WA
Naval Facilities Engineering Command Northwest

GROUNDWATER MONITORING WELL VISUAL INSPECTION CHECKLIST

DATE(S) (MM/DD/YY): 10/16/2021	TIME (HH:MM): 1831	WEATHER/TEMPERATURE: Sunny 50°
INSPECTOR(S): Alex McCarthy, Jeff Fekkers		COMPANY: Liberty JV.
OU AND SITE: OUI AREA 6	DESCRIPTION: LANDFILL	
WELL ID: 6-8-42	NORTHING: 484226.857	EASTING: 1201989.500

INSPECTION CHECKLIST

MONITORING WELL LOCATED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
WELL CLEARLY LABELED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
MONUMENT IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF WELL CASING:	<input type="checkbox"/> STICK-UP	<input checked="" type="checkbox"/> FLUSH-MOUNT <input type="checkbox"/> OTHER:
SIZE & NUMBER OF BOLTS ON FLUSH-MOUNT LID:	3 x 9/16	
SURROUNDING SURFACE MATERIAL:	<input type="checkbox"/> CONCRETE	<input type="checkbox"/> ASPHALT <input checked="" type="checkbox"/> SOIL
CONCRETE APRON:	<input type="checkbox"/> NOT PRESENT	<input checked="" type="checkbox"/> SLOPING AWAY <input type="checkbox"/> SUNKEN
LID CONDITION (STICKUP WELL ONLY):	<input type="checkbox"/> INTACT AND LOCKABLE	<input type="checkbox"/> DAMAGED
NUMBER OF BOLLARDS:		
BOLLARD CONDITION:	<input type="checkbox"/> NOT PRESENT	<input type="checkbox"/> STILL PLUMB <input type="checkbox"/> DAMAGED: _____
CASING DIAMETER:	<input checked="" type="checkbox"/> 2" <input type="checkbox"/> 8"	<input type="checkbox"/> 4" <input type="checkbox"/> 6" <input type="checkbox"/> OTHER: _____
IS THE CASING IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
IS THERE A CAP ON THE MONITORING WELL?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF CAP:	<input type="checkbox"/> PVC SLIP CAP <input checked="" type="checkbox"/> J-PLUG <input type="checkbox"/> EXPANSION	<input type="checkbox"/> PRODUCTION W/TUBING <input type="checkbox"/> OTHER: _____
LOCK MATERIAL:	<input checked="" type="checkbox"/> BRASS	<input type="checkbox"/> STAINLESS STEEL <input type="checkbox"/> OTHER: _____
LOCK SHANK LENGTH (estimated):	2 7/16 INCHES	
LOCK LOCATION:	<input checked="" type="checkbox"/> WELL CAP	<input type="checkbox"/> MONUMENT <input type="checkbox"/> BOTH
ANY EVIDENCE OF TAMPERING WITH THE WELL CASING OR CAP?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
ANY ODORS?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
IF YES, DESCRIBE ODOR:	<input type="checkbox"/> SOLVENT <input checked="" type="checkbox"/> PETROLEUM	<input type="checkbox"/> HYDROGEN SULFIDE/ROTTEN EGGS <input type="checkbox"/> OTHER: _____
WERE PICTURES TAKEN?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO

COMMON DEFICIENCIES

COMMON DEFICIENCIES:	<input type="checkbox"/> MISSING LOCK	<input type="checkbox"/> RUSTY STICK-UP
	<input type="checkbox"/> RUSTY BOLLARDS	<input type="checkbox"/> MISSING BOLTS
	NUMBER OF BOLTS MISSING: _____	

ADDITIONAL NOTES OR COMMENTS ON CONDITION

New lock installed.

GENERAL CONDITION (CHECK ONE): ☒ GOOD ☐ MODERATE ☐ POOR



NAS Whidbey Island
Oak Harbor, WA
Naval Facilities Engineering Command Northwest

GROUNDWATER MONITORING WELL VISUAL INSPECTION CHECKLIST

DATE(S) (MM/DD/YY): <u>10/16/2021</u>	TIME (HH:MM): <u>1826</u>	WEATHER/TEMPERATURE: <u>Sunny 50°</u>
INSPECTOR(S): <u>Alex McCarthy, Jeff Fellers</u>		COMPANY: <u>Liberty JV.</u>
OU AND SITE: <u>OUI AREA 6</u>	DESCRIPTION: <u>LANDFILL</u>	
WELL ID: <u>6-S-43</u>	NORTHING: <u>483610.019</u>	EASTING: <u>1201483.926</u>

INSPECTION CHECKLIST

MONITORING WELL LOCATED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
WELL CLEARLY LABELED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
MONUMENT IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF WELL CASING:	<input type="checkbox"/> STICK-UP	<input checked="" type="checkbox"/> FLUSH-MOUNT <input type="checkbox"/> OTHER:
SIZE & NUMBER OF BOLTS ON FLUSH-MOUNT LID: <u>3 x 5/8</u>		
SURROUNDING SURFACE MATERIAL:	<input type="checkbox"/> CONCRETE	<input type="checkbox"/> ASPHALT <input checked="" type="checkbox"/> SOIL
CONCRETE APRON:	<input type="checkbox"/> NOT PRESENT	<input checked="" type="checkbox"/> SLOPING AWAY <input type="checkbox"/> SUNKEN
LID CONDITION (STICKUP WELL ONLY):	<input type="checkbox"/> INTACT AND LOCKABLE	<input type="checkbox"/> DAMAGED
NUMBER OF BOLLARDS:		
BOLLARD CONDITION:	<input type="checkbox"/> NOT PRESENT	<input type="checkbox"/> STILL PLUMB <input type="checkbox"/> DAMAGED: _____
CASING DIAMETER:	<input checked="" type="checkbox"/> 2" <input type="checkbox"/> 8"	<input type="checkbox"/> 4" <input type="checkbox"/> 6" <input type="checkbox"/> OTHER: _____
IS THE CASING IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
IS THERE A CAP ON THE MONITORING WELL?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF CAP:	<input type="checkbox"/> PVC SLIP CAP <input type="checkbox"/> PRODUCTION W/TUBING	<input checked="" type="checkbox"/> J-PLUG <input type="checkbox"/> EXPANSION
LOCK MATERIAL:	<input checked="" type="checkbox"/> BRASS	<input type="checkbox"/> STAINLESS STEEL <input type="checkbox"/> OTHER: _____
LOCK SHANK LENGTH (estimated): <u>2 7/16</u> INCHES		
LOCK LOCATION:	<input checked="" type="checkbox"/> WELL CAP	<input type="checkbox"/> MONUMENT <input type="checkbox"/> BOTH
ANY EVIDENCE OF TAMPERING WITH THE WELL CASING OR CAP?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
ANY ODORS?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
IF YES, DESCRIBE ODOR:	<input type="checkbox"/> SOLVENT <input checked="" type="checkbox"/> PETROLEUM	<input type="checkbox"/> HYDROGEN SULFIDE/ROTTEN EGGS <input type="checkbox"/> OTHER: _____
WERE PICTURES TAKEN?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO

COMMON DEFICIENCIES

COMMON DEFICIENCIES:	<input type="checkbox"/> MISSING LOCK <input type="checkbox"/> RUSTY STICK-UP
	<input type="checkbox"/> RUSTY BOLLARDS <input type="checkbox"/> MISSING BOLTS
	NUMBER OF BOLTS MISSING: _____

ADDITIONAL NOTES OR COMMENTS ON CONDITION

New lock installed

GENERAL CONDITION (CHECK ONE):

☒ GOOD

☐ MODERATE

☐ POOR



NAS Whidbey Island
Oak Harbor, WA
Naval Facilities Engineering Command Northwest

GROUNDWATER MONITORING WELL VISUAL INSPECTION CHECKLIST

DATE(S) (MM/DD/YY): <u>10/15/2021</u>	TIME (HH:MM): <u>1459</u>	WEATHER/TEMPERATURE: <u>Reiny 50°</u>
INSPECTOR(S): <u>Alex McCarthy, Jeff Fellers</u>		COMPANY: <u>Liberty N.</u>
OU AND SITE: <u>OU2 AREA2</u>	DESCRIPTION: <u>London</u>	
WELL ID: <u>N2-3</u>	NORTHING: <u>491030.200</u>	EASTING: <u>1188592.00</u>

INSPECTION CHECKLIST

MONITORING WELL LOCATED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
WELL CLEARLY LABELED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
MONUMENT IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF WELL CASING:	<input checked="" type="checkbox"/> STICK-UP	<input type="checkbox"/> FLUSH-MOUNT <input type="checkbox"/> OTHER:
SIZE & NUMBER OF BOLTS ON FLUSH-MOUNT LID:		
SURROUNDING SURFACE MATERIAL:	<input type="checkbox"/> CONCRETE	<input type="checkbox"/> ASPHALT <input checked="" type="checkbox"/> SOIL
	<input type="checkbox"/> OTHER: _____	
CONCRETE APRON:	<input type="checkbox"/> NOT PRESENT	<input checked="" type="checkbox"/> SLOPING AWAY <input type="checkbox"/> SUNKEN
LID CONDITION (STICKUP WELL ONLY):	<input checked="" type="checkbox"/> INTACT AND LOCKABLE	<input type="checkbox"/> DAMAGED
NUMBER OF BOLLARDS:	<u>3</u>	
BOLLARD CONDITION:	<input type="checkbox"/> NOT PRESENT	<input checked="" type="checkbox"/> STILL PLUMB <input type="checkbox"/> DAMAGED: _____
CASING DIAMETER:	<input checked="" type="checkbox"/> 2" <input type="checkbox"/> 8"	<input type="checkbox"/> 4" <input type="checkbox"/> 6" <input type="checkbox"/> OTHER: _____
IS THE CASING IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
IS THERE A CAP ON THE MONITORING WELL?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF CAP:	<input checked="" type="checkbox"/> PVC SLIP CAP	<input type="checkbox"/> J-PLUG <input type="checkbox"/> EXPANSION
	<input type="checkbox"/> PRODUCTION W/TUBING	<input type="checkbox"/> OTHER: _____
LOCK MATERIAL:	<input checked="" type="checkbox"/> BRASS	<input type="checkbox"/> STAINLESS STEEL <input type="checkbox"/> OTHER: _____
LOCK SHANK LENGTH (estimated):	<u>2 7/16</u> INCHES	
LOCK LOCATION:	<input type="checkbox"/> WELL CAP	<input checked="" type="checkbox"/> MONUMENT <input type="checkbox"/> BOTH
ANY EVIDENCE OF TAMPERING WITH THE WELL CASING OR CAP?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
ANY ODORS?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
IF YES, DESCRIBE ODOR:	<input type="checkbox"/> SOLVENT	<input type="checkbox"/> HYDROGEN SULFIDE/ROTTEN EGGS
	<input type="checkbox"/> PETROLEUM	<input type="checkbox"/> OTHER: _____
WERE PICTURES TAKEN?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO

COMMON DEFICIENCIES

COMMON DEFICIENCIES:	<input type="checkbox"/> MISSING LOCK	<input type="checkbox"/> RUSTY STICK-UP
	<input type="checkbox"/> RUSTY BOLLARDS	<input type="checkbox"/> MISSING BOLTS
		NUMBER OF BOLTS MISSING: _____

ADDITIONAL NOTES OR COMMENTS ON CONDITION

New lock installed

GENERAL CONDITION (CHECK ONE): ☒ GOOD ☐ MODERATE ☐ POOR



NAS Whidbey Island
Oak Harbor, WA
Naval Facilities Engineering Command Northwest

GROUNDWATER MONITORING WELL VISUAL INSPECTION CHECKLIST

DATE(S) (MM/DD/YY): 10/15/2021	TIME (HH:MM): 1509	WEATHER/TEMPERATURE: Rain 50°
INSPECTOR(S): Alex McConthay, Jeff Feltus		COMPANY: Liberty JV.
OU AND SITE: OUE AREA 2	DESCRIPTION: LANDFILL	
WELL ID: N2-6C	NORTHING: 491543.500	EASTING: 1189532.00

INSPECTION CHECKLIST

MONITORING WELL LOCATED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
WELL CLEARLY LABELED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
MONUMENT IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF WELL CASING:	<input checked="" type="checkbox"/> STICK-UP	<input type="checkbox"/> FLUSH-MOUNT <input type="checkbox"/> OTHER:
SIZE & NUMBER OF BOLTS ON FLUSH-MOUNT LID:		
SURROUNDING SURFACE MATERIAL:	<input type="checkbox"/> CONCRETE <input type="checkbox"/> ASPHALT <input checked="" type="checkbox"/> SOIL	
CONCRETE APRON:	<input type="checkbox"/> NOT PRESENT <input checked="" type="checkbox"/> SLOPING AWAY <input type="checkbox"/> SUNKEN	
LID CONDITION (STICKUP WELL ONLY):	<input checked="" type="checkbox"/> INTACT AND LOCKABLE <input type="checkbox"/> DAMAGED	
NUMBER OF BOLLARDS:	3	
BOLLARD CONDITION:	<input type="checkbox"/> NOT PRESENT <input checked="" type="checkbox"/> STILL PLUMB <input type="checkbox"/> DAMAGED:	
CASING DIAMETER:	<input checked="" type="checkbox"/> 2" <input type="checkbox"/> 4" <input type="checkbox"/> 6" <input type="checkbox"/> 8" <input type="checkbox"/> OTHER:	
IS THE CASING IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	
IS THERE A CAP ON THE MONITORING WELL?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	
TYPE OF CAP:	<input checked="" type="checkbox"/> PVC SLIP CAP <input type="checkbox"/> J-PLUG <input type="checkbox"/> EXPANSION	
	<input type="checkbox"/> PRODUCTION W/TUBING <input type="checkbox"/> OTHER:	
LOCK MATERIAL:	<input checked="" type="checkbox"/> BRASS <input type="checkbox"/> STAINLESS STEEL <input type="checkbox"/> OTHER:	
LOCK SHANK LENGTH (estimated):	2 7/16 INCHES	
LOCK LOCATION:	<input type="checkbox"/> WELL CAP <input checked="" type="checkbox"/> MONUMENT <input type="checkbox"/> BOTH	
ANY EVIDENCE OF TAMPERING WITH THE WELL CASING OR CAP?	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
ANY ODORS?	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
IF YES, DESCRIBE ODOR:	<input type="checkbox"/> SOLVENT <input type="checkbox"/> HYDROGEN SULFIDE/ROTTEN EGGS <input type="checkbox"/> OTHER:	
	<input type="checkbox"/> PETROLEUM	
WERE PICTURES TAKEN?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	

COMMON DEFICIENCIES

COMMON DEFICIENCIES:	<input type="checkbox"/> MISSING LOCK <input type="checkbox"/> RUSTY STICK-UP
	<input type="checkbox"/> RUSTY BOLLARDS <input type="checkbox"/> MISSING BOLTS
	NUMBER OF BOLTS MISSING: _____

ADDITIONAL NOTES OR COMMENTS ON CONDITION

New lock installed

GENERAL CONDITION (CHECK ONE): ☒ GOOD ☐ MODERATE ☐ POOR



NAS Whidbey Island
Oak Harbor, WA
Naval Facilities Engineering Command Northwest

GROUNDWATER MONITORING WELL VISUAL INSPECTION CHECKLIST

DATE(S) (MM/DD/YY): 10/15/2021	TIME (HH:MM): 1436	WEATHER/TEMPERATURE: Rainy 50°
INSPECTOR(S): Alex McCarthy, Jeff Fettes		COMPANY: Liberty N.
OU AND SITE: Ouz AREA 2	DESCRIPTION: Landfill	
WELL ID: N2-8	NORTHING: 490793.800	EASTING: 1189305.00

INSPECTION CHECKLIST

MONITORING WELL LOCATED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
WELL CLEARLY LABELED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
MONUMENT IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF WELL CASING:	<input checked="" type="checkbox"/> STICK-UP	<input type="checkbox"/> FLUSH-MOUNT <input type="checkbox"/> OTHER:
SIZE & NUMBER OF BOLTS ON FLUSH-MOUNT LID:		
SURROUNDING SURFACE MATERIAL:	<input type="checkbox"/> CONCRETE <input type="checkbox"/> ASPHALT <input checked="" type="checkbox"/> SOIL	
CONCRETE APRON:	<input type="checkbox"/> NOT PRESENT	<input type="checkbox"/> SLOPING AWAY <input type="checkbox"/> SUNKEN
LID CONDITION (STICKUP WELL ONLY):	<input checked="" type="checkbox"/> INTACT AND LOCKABLE	<input type="checkbox"/> DAMAGED
NUMBER OF BOLLARDS:	3	
BOLLARD CONDITION:	<input type="checkbox"/> NOT PRESENT	<input checked="" type="checkbox"/> STILL PLUMB <input type="checkbox"/> DAMAGED: _____
CASING DIAMETER:	<input checked="" type="checkbox"/> 2" <input type="checkbox"/> 4" <input type="checkbox"/> 6" <input type="checkbox"/> 8" <input type="checkbox"/> OTHER: _____	
IS THE CASING IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
IS THERE A CAP ON THE MONITORING WELL?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF CAP:	<input checked="" type="checkbox"/> PVC SLIP CAP <input type="checkbox"/> J-PLUG <input type="checkbox"/> EXPANSION	
LOCK MATERIAL:	<input checked="" type="checkbox"/> PRODUCTION W/TUBING <input type="checkbox"/> OTHER: _____	
LOCK SHANK LENGTH (estimated):	<input checked="" type="checkbox"/> BRASS <input type="checkbox"/> STAINLESS STEEL <input type="checkbox"/> OTHER: _____	
LOCK LOCATION:	2 7/16 INCHES	<input type="checkbox"/> WELL CAP <input checked="" type="checkbox"/> MONUMENT <input type="checkbox"/> BOTH
ANY EVIDENCE OF TAMPERING WITH THE WELL CASING OR CAP?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
ANY ODORS?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
IF YES, DESCRIBE ODOR:	<input type="checkbox"/> SOLVENT <input type="checkbox"/> HYDROGEN SULFIDE/ROTTEN EGGS	
WERE PICTURES TAKEN?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO

COMMON DEFICIENCIES

COMMON DEFICIENCIES:	<input type="checkbox"/> MISSING LOCK <input type="checkbox"/> RUSTY STICK-UP
	<input type="checkbox"/> RUSTY BOLLARDS <input type="checkbox"/> MISSING BOLTS
	NUMBER OF BOLTS MISSING: _____

ADDITIONAL NOTES OR COMMENTS ON CONDITION

New lock installed

GENERAL CONDITION (CHECK ONE):	<input checked="" type="checkbox"/> GOOD	<input type="checkbox"/> MODERATE	<input type="checkbox"/> POOR
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NAS Whidbey Island
Oak Harbor, WA
Naval Facilities Engineering Command Northwest

GROUNDWATER MONITORING WELL VISUAL INSPECTION CHECKLIST

DATE(S) (MM/DD/YY): 10/15/2021	TIME (HH:MM): 1426	WEATHER/TEMPERATURE: Rainy 50°
INSPECTOR(S): Alex McElroy, Jesse Fellers		COMPANY: Liberty JV.
OU AND SITE: Ouz AREA2	DESCRIPTION: LANDFILL	
WELL ID: N2-9	NORTHING: 490504.700	EASTING: 1189359.00

INSPECTION CHECKLIST

MONITORING WELL LOCATED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
WELL CLEARLY LABELED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
MONUMENT IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF WELL CASING:	<input checked="" type="checkbox"/> STICK-UP	<input type="checkbox"/> FLUSH-MOUNT <input type="checkbox"/> OTHER:
SIZE & NUMBER OF BOLTS ON FLUSH-MOUNT LID:		
SURROUNDING SURFACE MATERIAL:	<input type="checkbox"/> CONCRETE	<input type="checkbox"/> ASPHALT <input checked="" type="checkbox"/> SOIL
CONCRETE APRON:	<input type="checkbox"/> NOT PRESENT	<input checked="" type="checkbox"/> SLOPING AWAY <input type="checkbox"/> SUNKEN
LID CONDITION (STICKUP WELL ONLY):	<input checked="" type="checkbox"/> INTACT AND LOCKABLE	<input type="checkbox"/> DAMAGED
NUMBER OF BOLLARDS:	3	
BOLLARD CONDITION:	<input type="checkbox"/> NOT PRESENT	<input checked="" type="checkbox"/> STILL PLUMB <input type="checkbox"/> DAMAGED: _____
CASING DIAMETER:	<input checked="" type="checkbox"/> 2"	<input type="checkbox"/> 4" <input type="checkbox"/> 6"
	<input type="checkbox"/> 8"	<input type="checkbox"/> OTHER: _____
IS THE CASING IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
IS THERE A CAP ON THE MONITORING WELL?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF CAP:	<input checked="" type="checkbox"/> PVC SLIP CAP	<input type="checkbox"/> J-PLUG <input type="checkbox"/> EXPANSION
	<input type="checkbox"/> PRODUCTION W/TUBING	<input type="checkbox"/> OTHER: _____
LOCK MATERIAL:	<input checked="" type="checkbox"/> BRASS	<input type="checkbox"/> STAINLESS STEEL <input type="checkbox"/> OTHER: _____
LOCK SHANK LENGTH (estimated):	2 3/16 INCHES	
LOCK LOCATION:	<input type="checkbox"/> WELL CAP	<input checked="" type="checkbox"/> MONUMENT <input type="checkbox"/> BOTH
ANY EVIDENCE OF TAMPERING WITH THE WELL CASING OR CAP?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
ANY ODORS?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
IF YES, DESCRIBE ODOR:	<input type="checkbox"/> SOLVENT	<input type="checkbox"/> HYDROGEN SULFIDE/ROTTEN EGGS
	<input type="checkbox"/> PETROLEUM	<input type="checkbox"/> OTHER: _____
WERE PICTURES TAKEN?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO

COMMON DEFICIENCIES

COMMON DEFICIENCIES:	<input type="checkbox"/> MISSING LOCK	<input type="checkbox"/> RUSTY STICK-UP
	<input type="checkbox"/> RUSTY BOLLARDS	<input type="checkbox"/> MISSING BOLTS
	NUMBER OF BOLTS MISSING: _____	

ADDITIONAL NOTES OR COMMENTS ON CONDITION

New lock installed

GENERAL CONDITION (CHECK ONE): ☒ GOOD ☐ MODERATE ☐ POOR



NAS Whidbey Island
Oak Harbor, WA
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GROUNDWATER MONITORING WELL VISUAL INSPECTION CHECKLIST

DATE(S) (MM/DD/YY): <u>10/14/2021</u>	TIME (HH:MM): <u>1755</u>	WEATHER/TEMPERATURE: <u>Cloudy, 54°</u>
INSPECTOR(S): <u>Alex McConkey, Jeff Fetters</u>		COMPANY: <u>Liberty JV</u>
OU AND SITE: <u>OU2 AREA 3</u>	DESCRIPTION: <u>LANDFILL</u>	
WELL ID: <u>3-MW-2</u>	NORTHING: <u>491368.700</u>	EASTING: <u>1190681.00</u>

INSPECTION CHECKLIST

MONITORING WELL LOCATED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
WELL CLEARLY LABELED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
MONUMENT IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF WELL CASING:	<input checked="" type="checkbox"/> STICK-UP	<input type="checkbox"/> FLUSH-MOUNT <input type="checkbox"/> OTHER:
SIZE & NUMBER OF BOLTS ON FLUSH-MOUNT LID:		
SURROUNDING SURFACE MATERIAL:	<input type="checkbox"/> CONCRETE <input type="checkbox"/> ASPHALT <input checked="" type="checkbox"/> SOIL	
CONCRETE APRON:	<input type="checkbox"/> OTHER: <input type="checkbox"/> NOT PRESENT	<input checked="" type="checkbox"/> SLOPING AWAY <input type="checkbox"/> SUNKEN
LID CONDITION (STICKUP WELL ONLY):	<input checked="" type="checkbox"/> INTACT AND LOCKABLE	<input type="checkbox"/> DAMAGED
NUMBER OF BOLLARDS:	<u>3</u>	
BOLLARD CONDITION:	<input type="checkbox"/> NOT PRESENT <input checked="" type="checkbox"/> STILL PLUMB	<input type="checkbox"/> DAMAGED: _____
CASING DIAMETER:	<input type="checkbox"/> 2" <input checked="" type="checkbox"/> 4" <input type="checkbox"/> 6"	<input type="checkbox"/> OTHER: _____
IS THE CASING IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
IS THERE A CAP ON THE MONITORING WELL?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF CAP:	<input checked="" type="checkbox"/> PVC SLIP CAP <input type="checkbox"/> J-PLUG <input type="checkbox"/> EXPANSION	
	<input type="checkbox"/> PRODUCTION W/TUBING <input type="checkbox"/> OTHER: _____	
LOCK MATERIAL:	<input checked="" type="checkbox"/> BRASS <input type="checkbox"/> STAINLESS STEEL <input type="checkbox"/> OTHER: _____	
LOCK SHANK LENGTH (estimated):	<u>2 7/16</u> INCHES	
LOCK LOCATION:	<input type="checkbox"/> WELL CAP <input checked="" type="checkbox"/> MONUMENT <input type="checkbox"/> BOTH	
ANY EVIDENCE OF TAMPERING WITH THE WELL CASING OR CAP?	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
ANY ODORS?	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
IF YES, DESCRIBE ODOR:	<input type="checkbox"/> SOLVENT <input type="checkbox"/> HYDROGEN SULFIDE/ROTTEN EGGS	
	<input type="checkbox"/> PETROLEUM <input type="checkbox"/> OTHER: _____	
WERE PICTURES TAKEN?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	

COMMON DEFICIENCIES

COMMON DEFICIENCIES:	<input type="checkbox"/> MISSING LOCK <input type="checkbox"/> RUSTY STICK-UP
	<input type="checkbox"/> RUSTY BOLLARDS <input type="checkbox"/> MISSING BOLTS
	NUMBER OF BOLTS MISSING: _____

ADDITIONAL NOTES OR COMMENTS ON CONDITION

New lock installed.

GENERAL CONDITION (CHECK ONE): ☒ GOOD ☐ MODERATE ☐ POOR



NAS Whidbey Island
Oak Harbor, WA
Naval Facilities Engineering Command Northwest

GROUNDWATER MONITORING WELL VISUAL INSPECTION CHECKLIST

DATE(S) (MM/DD/YY): <u>10/14/2021</u>	TIME (HH:MM): <u>1745</u>	WEATHER/TEMPERATURE: <u>Cloudy, 54°</u>
INSPECTOR(S): <u>Alex McCarthy, Jeff Feltner</u>		COMPANY: <u>Liberty JV.</u>
OU AND SITE: <u>042 Area 3.</u>	DESCRIPTION: <u>LANDFILL</u>	
WELL ID: <u>N3-12</u>	NORTHING: <u>491400.00</u>	EASTING: <u>1190575.00</u>

INSPECTION CHECKLIST

MONITORING WELL LOCATED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
WELL CLEARLY LABELED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
MONUMENT IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF WELL CASING:	<input checked="" type="checkbox"/> STICK-UP	<input type="checkbox"/> FLUSH-MOUNT <input type="checkbox"/> OTHER:
SIZE & NUMBER OF BOLTS ON FLUSH-MOUNT LID:		
SURROUNDING SURFACE MATERIAL:	<input type="checkbox"/> CONCRETE	<input type="checkbox"/> ASPHALT <input checked="" type="checkbox"/> SOIL
	<input type="checkbox"/> OTHER: _____	
CONCRETE APRON:	<input type="checkbox"/> NOT PRESENT	<input checked="" type="checkbox"/> SLOPING AWAY <input type="checkbox"/> SUNKEN
LID CONDITION (STICKUP WELL ONLY):	<input checked="" type="checkbox"/> INTACT AND LOCKABLE	<input type="checkbox"/> DAMAGED
NUMBER OF BOLLARDS:	<u>3</u>	
BOLLARD CONDITION:	<input type="checkbox"/> NOT PRESENT	<input checked="" type="checkbox"/> STILL PLUMB <input type="checkbox"/> DAMAGED: _____
CASING DIAMETER:	<input checked="" type="checkbox"/> 2"	<input type="checkbox"/> 4" <input type="checkbox"/> 6"
	<input type="checkbox"/> 8"	<input type="checkbox"/> OTHER: _____
IS THE CASING IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
IS THERE A CAP ON THE MONITORING WELL?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF CAP:	<input checked="" type="checkbox"/> PVC SLIP CAP	<input type="checkbox"/> J-PLUG <input type="checkbox"/> EXPANSION
	<input type="checkbox"/> PRODUCTION W/TUBING	<input type="checkbox"/> OTHER: _____
LOCK MATERIAL:	<input checked="" type="checkbox"/> BRASS	<input type="checkbox"/> STAINLESS STEEL <input type="checkbox"/> OTHER: _____
LOCK SHANK LENGTH (estimated):	<u>2 7/16</u> INCHES	
LOCK LOCATION:	<input type="checkbox"/> WELL CAP	<input checked="" type="checkbox"/> MONUMENT <input type="checkbox"/> BOTH
ANY EVIDENCE OF TAMPERING WITH THE WELL CASING OR CAP?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
ANY ODORS?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
IF YES, DESCRIBE ODOR:	<input type="checkbox"/> SOLVENT	<input type="checkbox"/> HYDROGEN SULFIDE/ROTTEN EGGS
	<input type="checkbox"/> PETROLEUM	<input type="checkbox"/> OTHER: _____
WERE PICTURES TAKEN?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO

COMMON DEFICIENCIES

COMMON DEFICIENCIES:	<input type="checkbox"/> MISSING LOCK	<input type="checkbox"/> RUSTY STICK-UP
	<input type="checkbox"/> RUSTY BOLLARDS	<input type="checkbox"/> MISSING BOLTS
	NUMBER OF BOLTS MISSING: _____	

ADDITIONAL NOTES OR COMMENTS ON CONDITION

New lock installed.

GENERAL CONDITION (CHECK ONE):	<input checked="" type="checkbox"/> GOOD	<input type="checkbox"/> MODERATE	<input type="checkbox"/> POOR
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NAS Whidbey Island
Oak Harbor, WA
Naval Facilities Engineering Command Northwest

GROUNDWATER MONITORING WELL VISUAL INSPECTION CHECKLIST

DATE(S) (MM/DD/YY): <u>10/12/2021</u>	TIME (HH:MM): <u>1605</u>	WEATHER/TEMPERATURE: <u>Rain, 50°F</u>
INSPECTOR(S): <u>Alex McCarthy, Jeff Fetters</u>		COMPANY: <u>Liberty JV</u>
OU AND SITE: <u>OU2, AREA4</u>	DESCRIPTION: <u>Undeveloped land</u>	
WELL ID: <u>4-MW-1</u>	NORTHING: <u>492410.900</u>	EASTING: <u>1190076.00</u>

INSPECTION CHECKLIST

MONITORING WELL LOCATED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
WELL CLEARLY LABELED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
MONUMENT IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF WELL CASING:	<input checked="" type="checkbox"/> STICK-UP	<input type="checkbox"/> FLUSH-MOUNT <input type="checkbox"/> OTHER:
SIZE & NUMBER OF BOLTS ON FLUSH-MOUNT LID:		
SURROUNDING SURFACE MATERIAL:	<input type="checkbox"/> CONCRETE	<input type="checkbox"/> ASPHALT <input checked="" type="checkbox"/> SOIL
	<input type="checkbox"/> OTHER:	
CONCRETE APRON:	<input type="checkbox"/> NOT PRESENT	<input checked="" type="checkbox"/> SLOPING AWAY <input type="checkbox"/> SUNKEN
LID CONDITION (STICKUP WELL ONLY):	<input checked="" type="checkbox"/> INTACT AND LOCKABLE	<input type="checkbox"/> DAMAGED
NUMBER OF BOLLARDS:	<u>3</u>	
BOLLARD CONDITION:	<input type="checkbox"/> NOT PRESENT	<input checked="" type="checkbox"/> STILL PLUMB <input type="checkbox"/> DAMAGED: _____
CASING DIAMETER:	<input type="checkbox"/> 2" <input type="checkbox"/> 8"	<input checked="" type="checkbox"/> 4" <input type="checkbox"/> 6" <input type="checkbox"/> OTHER: _____
IS THE CASING IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
IS THERE A CAP ON THE MONITORING WELL?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF CAP:	<input checked="" type="checkbox"/> PVC SLIP CAP	<input type="checkbox"/> J-PLUG <input type="checkbox"/> EXPANSION
	<input type="checkbox"/> PRODUCTION W/TUBING	<input type="checkbox"/> OTHER: _____
LOCK MATERIAL:	<input checked="" type="checkbox"/> BRASS	<input type="checkbox"/> STAINLESS STEEL <input type="checkbox"/> OTHER: _____
LOCK SHANK LENGTH (estimated):	<u>2 7/16</u> INCHES	
LOCK LOCATION:	<input type="checkbox"/> WELL CAP	<input checked="" type="checkbox"/> MONUMENT <input type="checkbox"/> BOTH
ANY EVIDENCE OF TAMPERING WITH THE WELL CASING OR CAP?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
ANY ODORS?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
IF YES, DESCRIBE ODOR:	<input type="checkbox"/> SOLVENT <input type="checkbox"/> PETROLEUM	<input type="checkbox"/> HYDROGEN SULFIDE/ROTTEN EGGS <input type="checkbox"/> OTHER: _____
WERE PICTURES TAKEN?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO

COMMON DEFICIENCIES

COMMON DEFICIENCIES:	<input type="checkbox"/> MISSING LOCK	<input type="checkbox"/> RUSTY STICK-UP
	<input type="checkbox"/> RUSTY BOLLARDS	<input type="checkbox"/> MISSING BOLTS
	NUMBER OF BOLTS MISSING: _____	

ADDITIONAL NOTES OR COMMENTS ON CONDITION

New lock installed.

GENERAL CONDITION (CHECK ONE): ☒ GOOD ☐ MODERATE ☐ POOR



**NAS Whidbey Island
Oak Harbor, WA
Naval Facilities Engineering Command Northwest**

GROUNDWATER MONITORING WELL VISUAL INSPECTION CHECKLIST

DATE(S) (MM/DD/YY): <u>10/12/2021</u>	TIME (HH:MM): <u>1600</u>	WEATHER/TEMPERATURE: <u>Rain, 50°F</u>
INSPECTOR(S): <u>Alex McCarthy, Jeff Fellers</u>		COMPANY: <u>Liberty JV</u>
OU AND SITE: <u>OU2, Area 4</u>	DESCRIPTION: <u>Undeveloped Land.</u>	
WELL ID: <u>4-MW-3</u>	NORTHING: <u>492262.600</u>	EASTING: <u>1190041.00</u>

INSPECTION CHECKLIST

MONITORING WELL LOCATED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
WELL CLEARLY LABELED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
MONUMENT IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF WELL CASING:	<input checked="" type="checkbox"/> STICK-UP	<input type="checkbox"/> FLUSH-MOUNT <input type="checkbox"/> OTHER:
SIZE & NUMBER OF BOLTS ON FLUSH-MOUNT LID:		
SURROUNDING SURFACE MATERIAL:	<input type="checkbox"/> CONCRETE <input type="checkbox"/> ASPHALT <input checked="" type="checkbox"/> SOIL	
	<input type="checkbox"/> OTHER: _____	
CONCRETE APRON:	<input type="checkbox"/> NOT PRESENT <input checked="" type="checkbox"/> SLOPING AWAY	<input type="checkbox"/> SUNKEN
LID CONDITION (STICKUP WELL ONLY):	<input checked="" type="checkbox"/> INTACT AND LOCKABLE	<input type="checkbox"/> DAMAGED
NUMBER OF BOLLARDS:	<u>3</u>	
BOLLARD CONDITION:	<input type="checkbox"/> NOT PRESENT <input checked="" type="checkbox"/> STILL PLUMB	<input type="checkbox"/> DAMAGED: _____
CASING DIAMETER:	<input type="checkbox"/> 2" <input checked="" type="checkbox"/> 4" <input type="checkbox"/> 6"	<input type="checkbox"/> 8" <input type="checkbox"/> OTHER: _____
IS THE CASING IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
IS THERE A CAP ON THE MONITORING WELL?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF CAP:	<input checked="" type="checkbox"/> PVC SLIP CAP <input type="checkbox"/> J-PLUG <input type="checkbox"/> EXPANSION	<input type="checkbox"/> PRODUCTION W/TUBING <input type="checkbox"/> OTHER: _____
LOCK MATERIAL:	<input checked="" type="checkbox"/> BRASS <input type="checkbox"/> STAINLESS STEEL	<input type="checkbox"/> OTHER: _____
LOCK SHANK LENGTH (estimated):	<u>2, 7/16</u> INCHES	
LOCK LOCATION:	<input type="checkbox"/> WELL CAP <input checked="" type="checkbox"/> MONUMENT <input checked="" type="checkbox"/> BOTH	
ANY EVIDENCE OF TAMPERING WITH THE WELL CASING OR CAP?	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
ANY ODORS?	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
IF YES, DESCRIBE ODOR:	<input type="checkbox"/> SOLVENT <input type="checkbox"/> HYDROGEN SULFIDE/ROTTEN EGGS	<input type="checkbox"/> PETROLEUM <input type="checkbox"/> OTHER: _____
WERE PICTURES TAKEN?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO

COMMON DEFICIENCIES

COMMON DEFICIENCIES:	<input type="checkbox"/> MISSING LOCK <input type="checkbox"/> RUSTY STICK-UP
	<input type="checkbox"/> RUSTY BOLLARDS <input type="checkbox"/> MISSING BOLTS
	NUMBER OF BOLTS MISSING: _____

ADDITIONAL NOTES OR COMMENTS ON CONDITION

New lock installed

GENERAL CONDITION (CHECK ONE): ☒ GOOD ☐ MODERATE ☐ POOR



NAS Whidbey Island
Oak Harbor, WA
Naval Facilities Engineering Command Northwest

GROUNDWATER MONITORING WELL VISUAL INSPECTION CHECKLIST

DATE(S) (MM/DD/YY): <u>10/15/2021</u>	TIME (HH:MM): <u>1209</u>	WEATHER/TEMPERATURE: <u>Rain, 54°</u>
INSPECTOR(S): <u>Alex McConathy, Jeff Fetters</u>		COMPANY: <u>Liberty JV.</u>
OU AND SITE: <u>OU 2 AREA 29</u>	DESCRIPTION: <u>UNDEVELOPED LAND / INDUSTRIAL</u>	
WELL ID: <u>29-MW-4</u>	NORTHING: <u>489353.600</u>	EASTING: <u>1188495.00</u>

INSPECTION CHECKLIST

MONITORING WELL LOCATED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
WELL CLEARLY LABELED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
MONUMENT IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF WELL CASING:	<input checked="" type="checkbox"/> STICK-UP	<input type="checkbox"/> FLUSH-MOUNT <input type="checkbox"/> OTHER:
SIZE & NUMBER OF BOLTS ON FLUSH-MOUNT LID:		
SURROUNDING SURFACE MATERIAL:	<input type="checkbox"/> CONCRETE <input type="checkbox"/> ASPHALT <input checked="" type="checkbox"/> SOIL	
CONCRETE APRON:	<input type="checkbox"/> OTHER: <u> </u>	
LID CONDITION (STICKUP WELL ONLY):	<input type="checkbox"/> NOT PRESENT <input checked="" type="checkbox"/> SLOPING AWAY <input type="checkbox"/> SUNKEN	
	<input checked="" type="checkbox"/> INTACT AND LOCKABLE <input type="checkbox"/> DAMAGED	
NUMBER OF BOLLARDS:	<u>3</u>	
BOLLARD CONDITION:	<input type="checkbox"/> NOT PRESENT <input checked="" type="checkbox"/> STILL PLUMB <input type="checkbox"/> DAMAGED: <u> </u>	
CASING DIAMETER:	<input type="checkbox"/> 2" <input checked="" type="checkbox"/> 4" <input type="checkbox"/> 6"	
	<input type="checkbox"/> 8" <input type="checkbox"/> OTHER: <u> </u>	
IS THE CASING IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	
IS THERE A CAP ON THE MONITORING WELL?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	
TYPE OF CAP:	<input checked="" type="checkbox"/> PVC SLIP CAP <input type="checkbox"/> J-PLUG <input type="checkbox"/> EXPANSION	
	<input type="checkbox"/> PRODUCTION W/TUBING <input type="checkbox"/> OTHER: <u> </u>	
LOCK MATERIAL:	<input checked="" type="checkbox"/> BRASS <input type="checkbox"/> STAINLESS STEEL <input type="checkbox"/> OTHER: <u> </u>	
LOCK SHANK LENGTH (estimated):	<u>2 7/16</u> INCHES	
LOCK LOCATION:	<input type="checkbox"/> WELL CAP <input checked="" type="checkbox"/> MONUMENT <input type="checkbox"/> BOTH	
ANY EVIDENCE OF TAMPERING WITH THE WELL CASING OR CAP?	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
ANY ODORS?	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
IF YES, DESCRIBE ODOR:	<input type="checkbox"/> SOLVENT <input type="checkbox"/> HYDROGEN SULFIDE/ROTTEN EGGS	
	<input type="checkbox"/> PETROLEUM <input type="checkbox"/> OTHER: <u> </u>	
WERE PICTURES TAKEN?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	

COMMON DEFICIENCIES

COMMON DEFICIENCIES:	<input type="checkbox"/> MISSING LOCK <input type="checkbox"/> RUSTY STICK-UP
	<input type="checkbox"/> RUSTY BOLLARDS <input type="checkbox"/> MISSING BOLTS
	NUMBER OF BOLTS MISSING: <u> </u>

ADDITIONAL NOTES OR COMMENTS ON CONDITION

New lock installed

GENERAL CONDITION (CHECK ONE):	<input checked="" type="checkbox"/> GOOD <input type="checkbox"/> MODERATE <input type="checkbox"/> POOR
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NAS Whidbey Island
Oak Harbor, WA
Naval Facilities Engineering Command Northwest

GROUNDWATER MONITORING WELL VISUAL INSPECTION CHECKLIST

DATE(S) (MM DD YY): <u>10/15/2021</u>	TIME (HH:MM): <u>1216</u>	WEATHER/TEMPERATURE: <u>Rain, 54°</u>
INSPECTOR(S): <u>Alex McConthay, Jeff Feltess</u>		COMPANY: <u>Liberty</u>
OU AND SITE: <u>OU2 Area 29</u>	DESCRIPTION: <u>UNDEVELOPED LAND / INDUSTRIAL</u>	
WELL ID: <u>N29-20</u>	NORTHING: <u>489204.560</u>	EASTING: <u>1188480.00</u>

INSPECTION CHECKLIST

MONITORING WELL LOCATED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
WELL CLEARLY LABELED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
MONUMENT IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF WELL CASING:	<input checked="" type="checkbox"/> STICK-UP	<input type="checkbox"/> FLUSH-MOUNT <input type="checkbox"/> OTHER:
SIZE & NUMBER OF BOLTS ON FLUSH-MOUNT LID:		
SURROUNDING SURFACE MATERIAL:	<input type="checkbox"/> CONCRETE <input type="checkbox"/> ASPHALT <input checked="" type="checkbox"/> SOIL	
	<input type="checkbox"/> OTHER:	
CONCRETE APRON:	<input type="checkbox"/> NOT PRESENT <input checked="" type="checkbox"/> SLOPING AWAY <input type="checkbox"/> SUNKEN	
LID CONDITION (STICKUP WELL ONLY):	<input checked="" type="checkbox"/> INTACT AND LOCKABLE <input type="checkbox"/> DAMAGED	
NUMBER OF BOLLARDS:	<u>3</u>	
BOLLARD CONDITION:	<input type="checkbox"/> NOT PRESENT <input checked="" type="checkbox"/> STILL PLUMB <input type="checkbox"/> DAMAGED:	
CASING DIAMETER:	<input checked="" type="checkbox"/> 2" <input type="checkbox"/> 4" <input type="checkbox"/> 6" <input type="checkbox"/> 8" <input type="checkbox"/> OTHER:	
IS THE CASING IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	
IS THERE A CAP ON THE MONITORING WELL?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	
TYPE OF CAP:	<input type="checkbox"/> PVC SLIP CAP <input checked="" type="checkbox"/> J-PLUG <input type="checkbox"/> EXPANSION	
	<input type="checkbox"/> PRODUCTION W/TUBING <input type="checkbox"/> OTHER:	
LOCK MATERIAL:	<input checked="" type="checkbox"/> BRASS <input type="checkbox"/> STAINLESS STEEL <input type="checkbox"/> OTHER:	
LOCK SHANK LENGTH (estimated):	<u>2 3/4</u> INCHES	
LOCK LOCATION:	<input type="checkbox"/> WELL CAP <input checked="" type="checkbox"/> MONUMENT <input type="checkbox"/> BOTH	
ANY EVIDENCE OF TAMPERING WITH THE WELL CASING OR CAP?	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
ANY ODORS?	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
IF YES, DESCRIBE ODOR:	<input type="checkbox"/> SOLVENT <input type="checkbox"/> HYDROGEN SULFIDE/ROTTEN EGGS	
	<input type="checkbox"/> PETROLEUM <input type="checkbox"/> OTHER:	
WERE PICTURES TAKEN?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	

COMMON DEFICIENCIES

COMMON DEFICIENCIES:	<input type="checkbox"/> MISSING LOCK <input type="checkbox"/> RUSTY STICK-UP
	<input type="checkbox"/> RUSTY BOLLARDS <input type="checkbox"/> MISSING BOLTS
	NUMBER OF BOLTS MISSING: _____

ADDITIONAL NOTES OR COMMENTS ON CONDITION

New lock installed

GENERAL CONDITION (CHECK ONE): ☒ GOOD ☐ MODERATE ☐ POOR



NAS Whidbey Island
Oak Harbor, WA
Naval Facilities Engineering Command Northwest

GROUNDWATER MONITORING WELL VISUAL INSPECTION CHECKLIST

DATE(S) (MM/DD/YY): <u>10/15/2021</u>	TIME (HH:MM): <u>1228</u>	WEATHER/TEMPERATURE: <u>Rain, 54°</u>
INSPECTOR(S): <u>Alex McParthy, Jeff Feltner</u>		COMPANY: <u>Liberty JV.</u>
OU AND SITE: <u>OU2, AREA 29</u>	DESCRIPTION: <u>UNDEVELOPED LAND / INDUSTRIAL</u>	
WELL ID: <u>N29-22D</u>	NORTHING: <u>489251.260</u>	EASTING: <u>1188284.00</u>

INSPECTION CHECKLIST

MONITORING WELL LOCATED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
WELL CLEARLY LABELED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
MONUMENT IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF WELL CASING:	<input checked="" type="checkbox"/> STICK-UP	<input type="checkbox"/> FLUSH-MOUNT <input type="checkbox"/> OTHER:
SIZE & NUMBER OF BOLTS ON FLUSH-MOUNT LID:		
SURROUNDING SURFACE MATERIAL:	<input type="checkbox"/> CONCRETE	<input type="checkbox"/> ASPHALT <input checked="" type="checkbox"/> SOIL
	<input type="checkbox"/> OTHER:	
CONCRETE APRON:	<input type="checkbox"/> NOT PRESENT	<input checked="" type="checkbox"/> SLOPING AWAY <input type="checkbox"/> SUNKEN
LID CONDITION (STICKUP WELL ONLY):	<input checked="" type="checkbox"/> INTACT AND LOCKABLE	<input type="checkbox"/> DAMAGED
NUMBER OF BOLLARDS:	<u>0</u>	
BOLLARD CONDITION:	<input checked="" type="checkbox"/> NOT PRESENT	<input type="checkbox"/> STILL PLUMB <input type="checkbox"/> DAMAGED: _____
CASING DIAMETER:	<input checked="" type="checkbox"/> 2" <input type="checkbox"/> 4" <input type="checkbox"/> 6" <input type="checkbox"/> 8"	
IS THE CASING IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
IS THERE A CAP ON THE MONITORING WELL?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF CAP:	<input checked="" type="checkbox"/> PVC SLIP CAP	<input type="checkbox"/> J-PLUG <input type="checkbox"/> EXPANSION
	<input type="checkbox"/> PRODUCTION W/TUBING	<input type="checkbox"/> OTHER: _____
LOCK MATERIAL:	<input checked="" type="checkbox"/> BRASS	<input type="checkbox"/> STAINLESS STEEL <input type="checkbox"/> OTHER: _____
LOCK SHANK LENGTH (estimated):	<u>2 3/4</u> INCHES	
LOCK LOCATION:	<input type="checkbox"/> WELL CAP	<input checked="" type="checkbox"/> MONUMENT <input type="checkbox"/> BOTH
ANY EVIDENCE OF TAMPERING WITH THE WELL CASING OR CAP?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
ANY ODORS?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
IF YES, DESCRIBE ODOR:	<input type="checkbox"/> SOLVENT	<input type="checkbox"/> HYDROGEN SULFIDE/ROTTEN EGGS
	<input type="checkbox"/> PETROLEUM	<input type="checkbox"/> OTHER: _____
WERE PICTURES TAKEN?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO

COMMON DEFICIENCIES

COMMON DEFICIENCIES:	<input type="checkbox"/> MISSING LOCK	<input type="checkbox"/> RUSTY STICK-UP
	<input type="checkbox"/> RUSTY BOLLARDS	<input type="checkbox"/> MISSING BOLTS
	NUMBER OF BOLTS MISSING: _____	

ADDITIONAL NOTES OR COMMENTS ON CONDITION

*New lock installed
No bollards.*

GENERAL CONDITION (CHECK ONE): ☒ GOOD ☐ MODERATE ☐ POOR



**NAS Whidbey Island
Oak Harbor, WA
Naval Facilities Engineering Command Northwest**

GROUNDWATER MONITORING WELL VISUAL INSPECTION CHECKLIST

DATE(S) (MM/DD/YY): <u>10/12/2021</u>	TIME (HH:MM): <u>1515</u>	WEATHER/TEMPERATURE: <u>Rain, 50°F</u>
INSPECTOR(S): <u>Alex McCarthy, Jeff Fettes.</u>		COMPANY: <u>Liberty JV.</u>
OU AND SITE: <u>045, Area 1</u>	DESCRIPTION: <u>Landfill</u>	
WELL ID: <u>MW-18</u>	NORTHING: <u>496345.400</u>	EASTING: <u>1191195.00</u>

INSPECTION CHECKLIST

MONITORING WELL LOCATED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
WELL CLEARLY LABELED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
MONUMENT IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF WELL CASING:	<input checked="" type="checkbox"/> STICK-UP	<input type="checkbox"/> FLUSH-MOUNT <input type="checkbox"/> OTHER:
SIZE & NUMBER OF BOLTS ON FLUSH-MOUNT LID:		
SURROUNDING SURFACE MATERIAL:	<input checked="" type="checkbox"/> CONCRETE	<input type="checkbox"/> ASPHALT <input checked="" type="checkbox"/> SOIL
	<input type="checkbox"/> OTHER: _____	
CONCRETE APRON:	<input type="checkbox"/> NOT PRESENT	<input checked="" type="checkbox"/> SLOPING AWAY <input type="checkbox"/> SUNKEN
LID CONDITION (STICKUP WELL ONLY):	<input checked="" type="checkbox"/> INTACT AND LOCKABLE	<input type="checkbox"/> DAMAGED
NUMBER OF BOLLARDS:	<u>3</u>	
BOLLARD CONDITION:	<input type="checkbox"/> NOT PRESENT	<input checked="" type="checkbox"/> STILL PLUMB <input type="checkbox"/> DAMAGED: _____
CASING DIAMETER:	<input checked="" type="checkbox"/> 2" <input type="checkbox"/> 8"	<input type="checkbox"/> 4" <input type="checkbox"/> 6" <input type="checkbox"/> OTHER: _____
IS THE CASING IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
IS THERE A CAP ON THE MONITORING WELL?	<input type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF CAP:	<input type="checkbox"/> PVC SLIP CAP <input checked="" type="checkbox"/> J-PLUG	<input type="checkbox"/> EXPANSION
	<input type="checkbox"/> PRODUCTION W/TUBING	<input type="checkbox"/> OTHER: _____
LOCK MATERIAL:	<input checked="" type="checkbox"/> BRASS	<input type="checkbox"/> STAINLESS STEEL <input type="checkbox"/> OTHER: _____
LOCK SHANK LENGTH (estimated):	<u>2 7/16</u> INCHES	
LOCK LOCATION:	<input type="checkbox"/> WELL CAP	<input checked="" type="checkbox"/> MONUMENT <input type="checkbox"/> BOTH
ANY EVIDENCE OF TAMPERING WITH THE WELL CASING OR CAP?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
ANY ODORS?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
IF YES, DESCRIBE ODOR:	<input type="checkbox"/> SOLVENT <input type="checkbox"/> PETROLEUM	<input type="checkbox"/> HYDROGEN SULFIDE/ROTTEN EGGS <input type="checkbox"/> OTHER: _____
WERE PICTURES TAKEN?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO

COMMON DEFICIENCIES

COMMON DEFICIENCIES:	<input type="checkbox"/> MISSING LOCK	<input type="checkbox"/> RUSTY STICK-UP
	<input type="checkbox"/> RUSTY BOLLARDS	<input type="checkbox"/> MISSING BOLTS
		NUMBER OF BOLTS MISSING: _____

ADDITIONAL NOTES OR COMMENTS ON CONDITION

New lock installed.

GENERAL CONDITION (CHECK ONE): ☒ GOOD ☐ MODERATE ☐ POOR



NAS Whidbey Island
Oak Harbor, WA
Naval Facilities Engineering Command Northwest

GROUNDWATER MONITORING WELL VISUAL INSPECTION CHECKLIST

DATE(S) (MM/DD/YY): <u>10/12/2021</u>	TIME (HH:MM): <u>1505</u>	WEATHER/TEMPERATURE: <u>Rainy, 50°F</u>
INSPECTOR(S): <u>Alex McCarthy, Jeff Fettes</u>		COMPANY: <u>Liberty JV</u>
OU AND SITE: <u>045, Area 1</u>	DESCRIPTION: <u>LANDFILL</u>	
WELL ID: <u>TP-101</u>	NORTHING: <u>496259.00</u>	EASTING: <u>119190.00</u>

INSPECTION CHECKLIST

MONITORING WELL LOCATED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
WELL CLEARLY LABELED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
MONUMENT IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF WELL CASING:	<input checked="" type="checkbox"/> STICK-UP	<input type="checkbox"/> FLUSH-MOUNT <input type="checkbox"/> OTHER:
SIZE & NUMBER OF BOLTS ON FLUSH-MOUNT LID:		
SURROUNDING SURFACE MATERIAL:	<input type="checkbox"/> CONCRETE	<input type="checkbox"/> ASPHALT <input checked="" type="checkbox"/> SOIL
	<input type="checkbox"/> OTHER: _____	
CONCRETE APRON:	<input type="checkbox"/> NOT PRESENT	<input checked="" type="checkbox"/> SLOPING AWAY <input type="checkbox"/> SUNKEN
LID CONDITION (STICKUP WELL ONLY):	<input checked="" type="checkbox"/> INTACT AND LOCKABLE	<input type="checkbox"/> DAMAGED
NUMBER OF BOLLARDS:	<u>3</u>	
BOLLARD CONDITION:	<input type="checkbox"/> NOT PRESENT	<input checked="" type="checkbox"/> STILL PLUMB <input type="checkbox"/> DAMAGED: _____
CASING DIAMETER:	<input checked="" type="checkbox"/> 2" <input type="checkbox"/> 8"	<input type="checkbox"/> 4" <input type="checkbox"/> 6" <input type="checkbox"/> OTHER: _____
IS THE CASING IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
IS THERE A CAP ON THE MONITORING WELL?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF CAP:	<input type="checkbox"/> PVC SLIP CAP	<input checked="" type="checkbox"/> J-PLUG <input type="checkbox"/> EXPANSION
	<input type="checkbox"/> PRODUCTION W/TUBING	<input type="checkbox"/> OTHER: _____
LOCK MATERIAL:	<input checked="" type="checkbox"/> BRASS	<input type="checkbox"/> STAINLESS STEEL <input type="checkbox"/> OTHER: _____
LOCK SHANK LENGTH (estimated):	<u>2 7/16</u> INCHES	
LOCK LOCATION:	<input type="checkbox"/> WELL CAP	<input checked="" type="checkbox"/> MONUMENT <input type="checkbox"/> BOTH
ANY EVIDENCE OF TAMPERING WITH THE WELL CASING OR CAP?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
ANY ODORS?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
IF YES, DESCRIBE ODOR:	<input type="checkbox"/> SOLVENT	<input type="checkbox"/> HYDROGEN SULFIDE/ROTTEN EGGS
	<input type="checkbox"/> PETROLEUM	<input type="checkbox"/> OTHER: _____
WERE PICTURES TAKEN?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO

COMMON DEFICIENCIES

COMMON DEFICIENCIES:	<input type="checkbox"/> MISSING LOCK	<input type="checkbox"/> RUSTY STICK-UP
	<input type="checkbox"/> RUSTY BOLLARDS	<input type="checkbox"/> MISSING BOLTS
	NUMBER OF BOLTS MISSING: _____	

ADDITIONAL NOTES OR COMMENTS ON CONDITION

New lock installed.

GENERAL CONDITION (CHECK ONE): ☒ GOOD ☐ MODERATE ☐ POOR



NAS Whidbey Island
Oak Harbor, WA
Naval Facilities Engineering Command Northwest

GROUNDWATER MONITORING WELL VISUAL INSPECTION CHECKLIST

DATE(S) (MM/DD/YY): <u>10/12/2021</u>	TIME (HH:MM): <u>1530</u>	WEATHER/TEMPERATURE: <u>Rein, 50°F</u>
INSPECTOR(S): <u>Alex Mc Carthy, Jeff Fetter</u>		COMPANY: <u>Liberty JV.</u>
OU AND SITE: <u>OUS, AREA 1</u>	DESCRIPTION: <u>LANDFILL</u>	
WELL ID: <u>MW-103</u>	NORTHING: <u>495609.600</u>	EASTING: <u>1190759.00</u>

INSPECTION CHECKLIST

MONITORING WELL LOCATED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
WELL CLEARLY LABELED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
MONUMENT IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF WELL CASING:	<input checked="" type="checkbox"/> STICK-UP	<input type="checkbox"/> FLUSH-MOUNT <input type="checkbox"/> OTHER:
SIZE & NUMBER OF BOLTS ON FLUSH-MOUNT LID:		
SURROUNDING SURFACE MATERIAL:	<input type="checkbox"/> CONCRETE	<input type="checkbox"/> ASPHALT <input checked="" type="checkbox"/> SOIL
CONCRETE APRON:	<input type="checkbox"/> NOT PRESENT	<input checked="" type="checkbox"/> SLOPING AWAY <input type="checkbox"/> SUNKEN
LID CONDITION (STICKUP WELL ONLY):	<input checked="" type="checkbox"/> INTACT AND LOCKABLE	<input type="checkbox"/> DAMAGED
NUMBER OF BOLLARDS:	<u>3</u>	
BOLLARD CONDITION:	<input type="checkbox"/> NOT PRESENT	<input checked="" type="checkbox"/> STILL PLUMB <input type="checkbox"/> DAMAGED: _____
CASING DIAMETER:	<input checked="" type="checkbox"/> 2"	<input type="checkbox"/> 4" <input type="checkbox"/> 6"
	<input type="checkbox"/> 8"	<input type="checkbox"/> OTHER: _____
IS THE CASING IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
IS THERE A CAP ON THE MONITORING WELL?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF CAP:	<input type="checkbox"/> PVC SLIP CAP	<input checked="" type="checkbox"/> J-PLUG <input type="checkbox"/> EXPANSION
	<input type="checkbox"/> PRODUCTION W/TUBING	<input type="checkbox"/> OTHER: _____
LOCK MATERIAL:	<input checked="" type="checkbox"/> BRASS	<input type="checkbox"/> STAINLESS STEEL <input type="checkbox"/> OTHER: _____
LOCK SHANK LENGTH (estimated):	<u>2 7/16</u> INCHES	
LOCK LOCATION:	<input type="checkbox"/> WELL CAP	<input checked="" type="checkbox"/> MONUMENT <input type="checkbox"/> BOTH
ANY EVIDENCE OF TAMPERING WITH THE WELL CASING OR CAP?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
ANY ODORS?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
IF YES, DESCRIBE ODOR:	<input type="checkbox"/> SOLVENT	<input type="checkbox"/> HYDROGEN SULFIDE/ROTTEN EGGS
	<input type="checkbox"/> PETROLEUM	<input type="checkbox"/> OTHER: _____
WERE PICTURES TAKEN?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO

COMMON DEFICIENCIES

COMMON DEFICIENCIES:	<input type="checkbox"/> MISSING LOCK	<input type="checkbox"/> RUSTY STICK-UP
	<input type="checkbox"/> RUSTY BOLLARDS	<input type="checkbox"/> MISSING BOLTS
	NUMBER OF BOLTS MISSING: _____	

ADDITIONAL NOTES OR COMMENTS ON CONDITION

New lock installed.

GENERAL CONDITION (CHECK ONE):	<input checked="" type="checkbox"/> GOOD	<input type="checkbox"/> MODERATE	<input type="checkbox"/> POOR
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NAS Whidbey Island
Oak Harbor, WA
Naval Facilities Engineering Command Northwest

GROUNDWATER MONITORING WELL VISUAL INSPECTION CHECKLIST

DATE(S) (MM/DD/YY): <u>10/14/2021</u>	TIME (HH:MM): <u>1130</u>	WEATHER/TEMPERATURE: <u>Cloudy, 54°</u>
INSPECTOR(S): <u>Alex McLaughlin, Jeff Fetters</u>		COMPANY: <u>Liberty JV.</u>
OU AND SITE: <u>045 AREA 31</u>	DESCRIPTION: <u>Accessed</u>	
WELL ID: <u>OWS-1</u>	NORTHING: <u>499423.300</u>	EASTING: <u>1197728.00</u>

INSPECTION CHECKLIST

MONITORING WELL LOCATED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
WELL CLEARLY LABELED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
MONUMENT IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF WELL CASING:	<input type="checkbox"/> STICK-UP	<input checked="" type="checkbox"/> FLUSH-MOUNT <input type="checkbox"/> OTHER:
SIZE & NUMBER OF BOLTS ON FLUSH-MOUNT LID: <u>0</u>		
SURROUNDING SURFACE MATERIAL:	<input type="checkbox"/> CONCRETE	<input type="checkbox"/> ASPHALT <input checked="" type="checkbox"/> SOIL
	<input type="checkbox"/> OTHER: _____	
CONCRETE APRON:	<input type="checkbox"/> NOT PRESENT	<input checked="" type="checkbox"/> SLOPING AWAY <input type="checkbox"/> SUNKEN
LID CONDITION (STICKUP WELL ONLY):	<input type="checkbox"/> INTACT AND LOCKABLE	<input type="checkbox"/> DAMAGED
NUMBER OF BOLLARDS:	<u>0</u>	
BOLLARD CONDITION:	<input checked="" type="checkbox"/> NOT PRESENT	<input type="checkbox"/> STILL PLUMB <input type="checkbox"/> DAMAGED: _____
CASING DIAMETER:	<input checked="" type="checkbox"/> 2" <input type="checkbox"/> 8"	<input type="checkbox"/> 4" <input type="checkbox"/> 6" <input type="checkbox"/> OTHER: _____
IS THE CASING IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
IS THERE A CAP ON THE MONITORING WELL?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF CAP:	<input type="checkbox"/> PVC SLIP CAP	<input checked="" type="checkbox"/> J-PLUG <input type="checkbox"/> EXPANSION
	<input type="checkbox"/> PRODUCTION W/TUBING	<input type="checkbox"/> OTHER: _____
LOCK MATERIAL:	<input checked="" type="checkbox"/> BRASS	<input type="checkbox"/> STAINLESS STEEL <input type="checkbox"/> OTHER: _____
LOCK SHANK LENGTH (estimated):	<u>2 7/16</u> INCHES	
LOCK LOCATION:	<input checked="" type="checkbox"/> WELL CAP	<input type="checkbox"/> MONUMENT <input type="checkbox"/> BOTH
ANY EVIDENCE OF TAMPERING WITH THE WELL CASING OR CAP?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
ANY ODORS?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
IF YES, DESCRIBE ODOR:	<input type="checkbox"/> SOLVENT	<input type="checkbox"/> HYDROGEN SULFIDE/ROTTEN EGGS
	<input type="checkbox"/> PETROLEUM	<input type="checkbox"/> OTHER: _____
WERE PICTURES TAKEN?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO

COMMON DEFICIENCIES

COMMON DEFICIENCIES:	<input type="checkbox"/> MISSING LOCK	<input type="checkbox"/> RUSTY STICK-UP
	<input type="checkbox"/> RUSTY BOLLARDS	<input checked="" type="checkbox"/> MISSING BOLTS
		NUMBER OF BOLTS MISSING: <u>3</u>

ADDITIONAL NOTES OR COMMENTS ON CONDITION

*New lock installed
Vault filled w/ water.*

GENERAL CONDITION (CHECK ONE):

☒ GOOD

☐ MODERATE

☐ POOR



NAS Whidbey Island
Oak Harbor, WA
Naval Facilities Engineering Command Northwest

GROUNDWATER MONITORING WELL VISUAL INSPECTION CHECKLIST

DATE(S) (MM/DD/YY): <u>10/14/2021</u>	TIME (HH:MM): <u>1135</u>	WEATHER/TEMPERATURE: <u>Cloudy, 54°</u>
INSPECTOR(S): <u>Alex McElarthy, Jeff Fetter</u>	COMPANY: <u>Liberty JV</u>	
OU AND SITE: <u>OUS Area 31</u>	DESCRIPTION: <u>AIRFIELD</u>	
WELL ID: <u>MW-31-9A</u>	NORTHING: <u>499465.300</u>	EASTING: <u>1197737.00</u>

INSPECTION CHECKLIST

MONITORING WELL LOCATED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
WELL CLEARLY LABELED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
MONUMENT IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF WELL CASING:	<input type="checkbox"/> STICK-UP	<input checked="" type="checkbox"/> FLUSH-MOUNT <input type="checkbox"/> OTHER:
SIZE & NUMBER OF BOLTS ON FLUSH-MOUNT LID: <u>0</u>		
SURROUNDING SURFACE MATERIAL:	<input type="checkbox"/> CONCRETE	<input type="checkbox"/> ASPHALT <input checked="" type="checkbox"/> SOIL
	<input type="checkbox"/> OTHER: _____	
CONCRETE APRON:	<input type="checkbox"/> NOT PRESENT	<input checked="" type="checkbox"/> SLOPING AWAY <input type="checkbox"/> SUNKEN
LID CONDITION (STICKUP WELL ONLY):	<input type="checkbox"/> INTACT AND LOCKABLE	<input type="checkbox"/> DAMAGED
NUMBER OF BOLLARDS: <u>0</u>		
BOLLARD CONDITION:	<input checked="" type="checkbox"/> NOT PRESENT	<input type="checkbox"/> STILL PLUMB <input type="checkbox"/> DAMAGED: _____
CASING DIAMETER:	<input checked="" type="checkbox"/> 2" <input type="checkbox"/> 8"	<input type="checkbox"/> 4" <input type="checkbox"/> 6" <input type="checkbox"/> OTHER: _____
IS THE CASING IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
IS THERE A CAP ON THE MONITORING WELL?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF CAP:	<input type="checkbox"/> PVC SLIP CAP	<input checked="" type="checkbox"/> J-PLUG <input type="checkbox"/> EXPANSION
	<input type="checkbox"/> PRODUCTION W/TUBING	<input type="checkbox"/> OTHER: _____
LOCK MATERIAL:	<input checked="" type="checkbox"/> BRASS	<input type="checkbox"/> STAINLESS STEEL <input type="checkbox"/> OTHER: _____
LOCK SHANK LENGTH (estimated): <u>2 7/16</u> INCHES		
LOCK LOCATION:	<input checked="" type="checkbox"/> WELL CAP	<input type="checkbox"/> MONUMENT <input type="checkbox"/> BOTH
ANY EVIDENCE OF TAMPERING WITH THE WELL CASING OR CAP?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
ANY ODORS?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
IF YES, DESCRIBE ODOR:	<input type="checkbox"/> SOLVENT	<input type="checkbox"/> HYDROGEN SULFIDE/ROTTEN EGGS
	<input type="checkbox"/> PETROLEUM	<input type="checkbox"/> OTHER: _____
WERE PICTURES TAKEN?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO

COMMON DEFICIENCIES

COMMON DEFICIENCIES:	<input type="checkbox"/> MISSING LOCK	<input type="checkbox"/> RUSTY STICK-UP
	<input type="checkbox"/> RUSTY BOLLARDS	<input checked="" type="checkbox"/> MISSING BOLTS
	NUMBER OF BOLTS MISSING: <u>3</u>	

ADDITIONAL NOTES OR COMMENTS ON CONDITION

*New lock installed
Vault filled with water.*

GENERAL CONDITION (CHECK ONE):	<input checked="" type="checkbox"/> GOOD	<input type="checkbox"/> MODERATE	<input type="checkbox"/> POOR
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NAS Whidbey Island
Oak Harbor, WA
Naval Facilities Engineering Command Northwest

GROUNDWATER MONITORING WELL VISUAL INSPECTION CHECKLIST

DATE(S) (MM/DD/YY): <u>10/14/2021</u>	TIME (HH:MM): <u>0945</u>	WEATHER/TEMPERATURE: <u>Cloudy, 54°</u>
INSPECTOR(S): <u>Alex McCarty, Jeff Fetter</u>		COMPANY: <u>Liberty JV.</u>
OU AND SITE: <u>Site 22, Hanger 5</u>	DESCRIPTION: <u>AIRFIELD PARKING APRON</u>	
WELL ID: <u>H5-MW-1</u>	NORTHING: <u>496945.290</u>	EASTING: <u>1198376.920</u>

INSPECTION CHECKLIST

MONITORING WELL LOCATED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
WELL CLEARLY LABELED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO <u>on inside of well cover</u>
MONUMENT IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF WELL CASING:	<input type="checkbox"/> STICK-UP	<input checked="" type="checkbox"/> FLUSH-MOUNT <input type="checkbox"/> OTHER:
SIZE & NUMBER OF BOLTS ON FLUSH-MOUNT LID: <u>3 x 9/16</u>		
SURROUNDING SURFACE MATERIAL:	<input checked="" type="checkbox"/> CONCRETE	<input type="checkbox"/> ASPHALT <input type="checkbox"/> SOIL
CONCRETE APRON:	<input type="checkbox"/> OTHER: _____	
LID CONDITION (STICKUP WELL ONLY):	<input type="checkbox"/> NOT PRESENT	<input checked="" type="checkbox"/> SLOPING AWAY <input type="checkbox"/> SUNKEN
NUMBER OF BOLLARDS:	<u>0</u>	
BOLLARD CONDITION:	<input checked="" type="checkbox"/> NOT PRESENT	<input type="checkbox"/> STILL PLUMB <input type="checkbox"/> DAMAGED: _____
CASING DIAMETER:	<input checked="" type="checkbox"/> 2" <input type="checkbox"/> 8"	<input type="checkbox"/> 4" <input type="checkbox"/> 6" <input type="checkbox"/> OTHER: _____
IS THE CASING IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
IS THERE A CAP ON THE MONITORING WELL?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF CAP:	<input type="checkbox"/> PVC SLIP CAP <input type="checkbox"/> PRODUCTION W/TUBING	<input checked="" type="checkbox"/> J-PLUG <input type="checkbox"/> EXPANSION
LOCK MATERIAL: <u>None</u>	<input type="checkbox"/> BRASS	<input type="checkbox"/> STAINLESS STEEL <input type="checkbox"/> OTHER: _____
LOCK SHANK LENGTH (estimated): _____ INCHES		
LOCK LOCATION:	<input type="checkbox"/> WELL CAP	<input type="checkbox"/> MONUMENT <input type="checkbox"/> BOTH
ANY EVIDENCE OF TAMPERING WITH THE WELL CASING OR CAP?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
ANY ODORS?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
IF YES, DESCRIBE ODOR:	<input type="checkbox"/> SOLVENT <input type="checkbox"/> PETROLEUM	<input type="checkbox"/> HYDROGEN SULFIDE/ROTTEN EGGS <input type="checkbox"/> OTHER: _____
WERE PICTURES TAKEN?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO

COMMON DEFICIENCIES

COMMON DEFICIENCIES:	<input type="checkbox"/> MISSING LOCK <input type="checkbox"/> RUSTY STICK-UP
	<input type="checkbox"/> RUSTY BOLLARDS <input type="checkbox"/> MISSING BOLTS
	NUMBER OF BOLTS MISSING: _____

ADDITIONAL NOTES OR COMMENTS ON CONDITION

New lock unable to install on plug, would foul up water.
Bollards not present due to location on air field - not a deficiency.

GENERAL CONDITION (CHECK ONE):	<input checked="" type="checkbox"/> GOOD	<input type="checkbox"/> MODERATE	<input type="checkbox"/> POOR
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NAS Whidbey Island
Oak Harbor, WA
Naval Facilities Engineering Command Northwest

GROUNDWATER MONITORING WELL VISUAL INSPECTION CHECKLIST

DATE(S) (MM/DD/YY): <u>10/14/2021</u>	TIME (HH:MM): <u>0920</u>	WEATHER/TEMPERATURE: <u>Cloudy, 54°</u>
INSPECTOR(S): <u>Alex McEnty, Jeff Fetters</u>		COMPANY: <u>Liberty JV</u>
OU AND SITE: <u>Site 22, Hangar 5</u>	DESCRIPTION: <u>Airfield Parking Apron</u>	
WELL ID: <u>H5-MW-2</u>	NORTHING: <u>497041.790</u>	EASTING: <u>1193372.170</u>

INSPECTION CHECKLIST

MONITORING WELL LOCATED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
WELL CLEARLY LABELED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO on bottom of well lid.
MONUMENT IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF WELL CASING:	<input type="checkbox"/> STICK-UP	<input checked="" type="checkbox"/> FLUSH-MOUNT <input type="checkbox"/> OTHER:
SIZE & NUMBER OF BOLTS ON FLUSH-MOUNT LID:	<u>2 x 9/16</u>	
SURROUNDING SURFACE MATERIAL:	<input checked="" type="checkbox"/> CONCRETE	<input type="checkbox"/> ASPHALT <input type="checkbox"/> SOIL
CONCRETE APRON:	<input type="checkbox"/> OTHER: _____	<input type="checkbox"/> SLOPING AWAY <input type="checkbox"/> SUNKEN
LID CONDITION (STICKUP WELL ONLY):	<input type="checkbox"/> NOT PRESENT	<input type="checkbox"/> DAMAGED
NUMBER OF BOLLARDS:	<u>0</u>	
BOLLARD CONDITION:	<input checked="" type="checkbox"/> NOT PRESENT	<input type="checkbox"/> STILL PLUMB <input type="checkbox"/> DAMAGED: _____
CASING DIAMETER:	<input checked="" type="checkbox"/> 2"	<input type="checkbox"/> 4" <input type="checkbox"/> 6"
	<input type="checkbox"/> 8"	<input type="checkbox"/> OTHER: _____
IS THE CASING IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
IS THERE A CAP ON THE MONITORING WELL?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF CAP:	<input type="checkbox"/> PVC SLIP CAP	<input checked="" type="checkbox"/> J-PLUG <input type="checkbox"/> EXPANSION
	<input type="checkbox"/> PRODUCTION W/TUBING	<input type="checkbox"/> OTHER: _____
LOCK MATERIAL:	<input checked="" type="checkbox"/> BRASS	<input type="checkbox"/> STAINLESS STEEL <input type="checkbox"/> OTHER: _____
LOCK SHANK LENGTH (estimated):	<u>2 7/16</u> INCHES	
LOCK LOCATION:	<input checked="" type="checkbox"/> WELL CAP	<input type="checkbox"/> MONUMENT <input type="checkbox"/> BOTH
ANY EVIDENCE OF TAMPERING WITH THE WELL CASING OR CAP?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
ANY ODORS?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
IF YES, DESCRIBE ODOR:	<input type="checkbox"/> SOLVENT	<input type="checkbox"/> HYDROGEN SULFIDE/ROTTEN EGGS
	<input type="checkbox"/> PETROLEUM	<input type="checkbox"/> OTHER: _____
WERE PICTURES TAKEN?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO

COMMON DEFICIENCIES

COMMON DEFICIENCIES:	<input type="checkbox"/> MISSING LOCK	<input type="checkbox"/> RUSTY STICK-UP
	<input type="checkbox"/> RUSTY BOLLARDS	<input checked="" type="checkbox"/> MISSING BOLTS
	NUMBER OF BOLTS MISSING: <u>#1</u>	

ADDITIONAL NOTES OR COMMENTS ON CONDITION

*Vault is filled with water, New lock installed.
Bollards not present due to location on air field - not a safety hazard.*

GENERAL CONDITION (CHECK ONE):	<input checked="" type="checkbox"/> GOOD	<input type="checkbox"/> MODERATE	<input type="checkbox"/> POOR
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NAS Whidbey Island
Oak Harbor, WA
Naval Facilities Engineering Command Northwest

GROUNDWATER MONITORING WELL VISUAL INSPECTION CHECKLIST

DATE(S) (MM/DD/YY): <u>10/14/2021</u>	TIME (HH:MM): <u>0915</u>	WEATHER/TEMPERATURE: <u>Cloudy, 54°</u>
INSPECTOR(S): <u>Alex McElarthy, Jeff Fetters</u>	COMPANY: <u>Liberty JV</u>	
OU AND SITE: <u>Site 22, Hangar 5</u>	DESCRIPTION: <u>Airfield Parkings Aprons</u>	
WELL ID: <u>HS-MW-3</u>	NORTHING: <u>497045.240</u>	EASTING: <u>1193467.370</u>

INSPECTION CHECKLIST

MONITORING WELL LOCATED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
WELL CLEARLY LABELED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO <u>on inside of lid</u>
MONUMENT IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF WELL CASING:	<input type="checkbox"/> STICK-UP	<input checked="" type="checkbox"/> FLUSH-MOUNT <input type="checkbox"/> OTHER:
SIZE & NUMBER OF BOLTS ON FLUSH-MOUNT LID:	<u>2 x 9/16</u>	
SURROUNDING SURFACE MATERIAL:	<input type="checkbox"/> CONCRETE	<input checked="" type="checkbox"/> ASPHALT <input type="checkbox"/> SOIL
CONCRETE APRON:	<input type="checkbox"/> OTHER: _____	<input checked="" type="checkbox"/> SLOPING AWAY <input type="checkbox"/> SUNKEN
LID CONDITION (STICKUP WELL ONLY):	<input type="checkbox"/> NOT PRESENT	<input checked="" type="checkbox"/> DAMAGED
NUMBER OF BOLLARDS:	<u>0</u>	
BOLLARD CONDITION:	<input checked="" type="checkbox"/> NOT PRESENT	<input type="checkbox"/> STILL PLUMB <input type="checkbox"/> DAMAGED: _____
CASING DIAMETER:	<input checked="" type="checkbox"/> 2" <input type="checkbox"/> 8"	<input type="checkbox"/> 4" <input type="checkbox"/> 6" <input type="checkbox"/> OTHER: _____
IS THE CASING IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
IS THERE A CAP ON THE MONITORING WELL?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF CAP:	<input type="checkbox"/> PVC SLIP CAP	<input checked="" type="checkbox"/> J-PLUG <input type="checkbox"/> EXPANSION
	<input type="checkbox"/> PRODUCTION W/TUBING	<input type="checkbox"/> OTHER: _____
LOCK MATERIAL:	<input type="checkbox"/> BRASS	<input type="checkbox"/> STAINLESS STEEL <input type="checkbox"/> OTHER: _____
LOCK SHANK LENGTH (estimated): <u>None</u>	_____ INCHES	
LOCK LOCATION:	<input type="checkbox"/> WELL CAP	<input type="checkbox"/> MONUMENT <input type="checkbox"/> BOTH
ANY EVIDENCE OF TAMPERING WITH THE WELL CASING OR CAP?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
ANY ODORS?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
IF YES, DESCRIBE ODOR:	<input type="checkbox"/> SOLVENT	<input type="checkbox"/> HYDROGEN SULFIDE/ROTTEN EGGS
	<input type="checkbox"/> PETROLEUM	<input type="checkbox"/> OTHER: _____
WERE PICTURES TAKEN?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO

COMMON DEFICIENCIES

COMMON DEFICIENCIES:	<input type="checkbox"/> MISSING LOCK	<input type="checkbox"/> RUSTY STICK-UP
	<input type="checkbox"/> RUSTY BOLLARDS	<input checked="" type="checkbox"/> MISSING BOLTS
	NUMBER OF BOLTS MISSING: <u>1</u>	

ADDITIONAL NOTES OR COMMENTS ON CONDITION

Unable to install lock, vault filled w/ water
Bollards not present due to location on air field, not a deficiency.

GENERAL CONDITION (CHECK ONE):	<input checked="" type="checkbox"/> GOOD	<input type="checkbox"/> MODERATE	<input type="checkbox"/> POOR
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NAS Whidbey Island
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GROUNDWATER MONITORING WELL VISUAL INSPECTION CHECKLIST

DATE(S) (MM/DD/YY): <u>10/15/2021</u>	TIME (HH:MM): <u>0936</u>	WEATHER/TEMPERATURE: <u>Rain, 54°</u>
INSPECTOR(S): <u>Alex McLaughlin, Jeff Fellers</u>		COMPANY: <u>Liberty JV</u>
OU AND SITE: <u>Site 36, FFF1</u>	DESCRIPTION: <u>INDUSTRIAL</u>	
WELL ID: <u>MW-201</u>	NORTHING: <u>473498.813</u>	EASTING: <u>1204376.816</u>

INSPECTION CHECKLIST

MONITORING WELL LOCATED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
WELL CLEARLY LABELED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
MONUMENT IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF WELL CASING:	<input checked="" type="checkbox"/> STICK-UP	<input type="checkbox"/> FLUSH-MOUNT <input type="checkbox"/> OTHER:
SIZE & NUMBER OF BOLTS ON FLUSH-MOUNT LID:		
SURROUNDING SURFACE MATERIAL:	<input type="checkbox"/> CONCRETE <input type="checkbox"/> ASPHALT <input checked="" type="checkbox"/> SOIL	
CONCRETE APRON:	<input type="checkbox"/> OTHER: _____	
LID CONDITION (STICKUP WELL ONLY):	<input type="checkbox"/> NOT PRESENT <input checked="" type="checkbox"/> SLOPING AWAY <input type="checkbox"/> SUNKEN	
	<input checked="" type="checkbox"/> INTACT AND LOCKABLE <input type="checkbox"/> DAMAGED	
NUMBER OF BOLLARDS:	<u>3</u>	
BOLLARD CONDITION:	<input type="checkbox"/> NOT PRESENT <input checked="" type="checkbox"/> STILL PLUMB <input type="checkbox"/> DAMAGED: _____	
CASING DIAMETER:	<input checked="" type="checkbox"/> 2" <input type="checkbox"/> 4" <input type="checkbox"/> 6" <input type="checkbox"/> OTHER: _____	
	<input type="checkbox"/> 8"	
IS THE CASING IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	
IS THERE A CAP ON THE MONITORING WELL?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	
TYPE OF CAP:	<input type="checkbox"/> PVC SLIP CAP <input checked="" type="checkbox"/> J-PLUG <input type="checkbox"/> EXPANSION	
	<input type="checkbox"/> PRODUCTION W/TUBING <input type="checkbox"/> OTHER: _____	
LOCK MATERIAL:	<input checked="" type="checkbox"/> BRASS <input type="checkbox"/> STAINLESS STEEL <input type="checkbox"/> OTHER: _____	
LOCK SHANK LENGTH (estimated):	<u>2 7/16</u> INCHES	
LOCK LOCATION:	<input type="checkbox"/> WELL CAP <input checked="" type="checkbox"/> MONUMENT <input type="checkbox"/> BOTH	
ANY EVIDENCE OF TAMPERING WITH THE WELL CASING OR CAP?	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
ANY ODORS?	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
IF YES, DESCRIBE ODOR:	<input type="checkbox"/> SOLVENT <input type="checkbox"/> HYDROGEN SULFIDE/ROTTEN EGGS	
	<input type="checkbox"/> PETROLEUM <input type="checkbox"/> OTHER: _____	
WERE PICTURES TAKEN?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	

COMMON DEFICIENCIES

COMMON DEFICIENCIES:	<input type="checkbox"/> MISSING LOCK <input type="checkbox"/> RUSTY STICK-UP
	<input type="checkbox"/> RUSTY BOLLARDS <input type="checkbox"/> MISSING BOLTS
	NUMBER OF BOLTS MISSING: _____

ADDITIONAL NOTES OR COMMENTS ON CONDITION

New lock installed

GENERAL CONDITION (CHECK ONE): ☒ GOOD ☐ MODERATE ☐ POOR



NAS Whidbey Island
Oak Harbor, WA
Naval Facilities Engineering Command Northwest

GROUNDWATER MONITORING WELL VISUAL INSPECTION CHECKLIST

DATE(S) (MM/DD/YY): <u>10/15/2021</u>	TIME (HH:MM): <u>1033</u>	WEATHER/TEMPERATURE: <u>RAIN, 54°</u>
INSPECTOR(S): <u>Alex McCarthy, Jeff Fellers</u>		COMPANY: <u>Liberty JV.</u>
OU AND SITE: <u>Site 36, FFF1</u>	DESCRIPTION: <u>INDUSTRIAL</u>	
WELL ID: <u>MW-202</u>	NORTHING: <u>473280.788</u>	EASTING: <u>1204082.060</u>

INSPECTION CHECKLIST

MONITORING WELL LOCATED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
WELL CLEARLY LABELED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
MONUMENT IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF WELL CASING:	<input checked="" type="checkbox"/> STICK-UP	<input type="checkbox"/> FLUSH-MOUNT <input type="checkbox"/> OTHER:
SIZE & NUMBER OF BOLTS ON FLUSH-MOUNT LID:		
SURROUNDING SURFACE MATERIAL:	<input type="checkbox"/> CONCRETE <input type="checkbox"/> ASPHALT <input checked="" type="checkbox"/> SOIL	
CONCRETE APRON:	<input type="checkbox"/> OTHER: <u> </u>	
LID CONDITION (STICKUP WELL ONLY):	<input type="checkbox"/> NOT PRESENT <input checked="" type="checkbox"/> SLOPING AWAY <input type="checkbox"/> SUNKEN	
	<input checked="" type="checkbox"/> INTACT AND LOCKABLE <input type="checkbox"/> DAMAGED	
NUMBER OF BOLLARDS:	<u>3</u>	
BOLLARD CONDITION:	<input type="checkbox"/> NOT PRESENT <input checked="" type="checkbox"/> STILL PLUMB <input type="checkbox"/> DAMAGED: <u> </u>	
CASING DIAMETER:	<input checked="" type="checkbox"/> 2" <input type="checkbox"/> 4" <input type="checkbox"/> 6" <input type="checkbox"/> OTHER: <u> </u>	
	<input type="checkbox"/> 8"	
IS THE CASING IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	
IS THERE A CAP ON THE MONITORING WELL?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	
TYPE OF CAP:	<input type="checkbox"/> PVC SLIP CAP <input checked="" type="checkbox"/> J-PLUG <input type="checkbox"/> EXPANSION	
	<input type="checkbox"/> PRODUCTION W/TUBING <input type="checkbox"/> OTHER: <u> </u>	
LOCK MATERIAL:	<input checked="" type="checkbox"/> BRASS <input type="checkbox"/> STAINLESS STEEL <input type="checkbox"/> OTHER: <u> </u>	
LOCK SHANK LENGTH (estimated):	<u>2 7/16</u> INCHES	
LOCK LOCATION:	<input type="checkbox"/> WELL CAP <input checked="" type="checkbox"/> MONUMENT <input type="checkbox"/> BOTH	
ANY EVIDENCE OF TAMPERING WITH THE WELL CASING OR CAP?	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
ANY ODORS?	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
IF YES, DESCRIBE ODOR:	<input type="checkbox"/> SOLVENT <input type="checkbox"/> HYDROGEN SULFIDE/ROTTEN EGGS	
	<input type="checkbox"/> PETROLEUM <input type="checkbox"/> OTHER: <u> </u>	
WERE PICTURES TAKEN?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	

COMMON DEFICIENCIES

COMMON DEFICIENCIES:	<input type="checkbox"/> MISSING LOCK <input type="checkbox"/> RUSTY STICK-UP
	<input type="checkbox"/> RUSTY BOLLARDS <input type="checkbox"/> MISSING BOLTS
	NUMBER OF BOLTS MISSING: <u> </u>

ADDITIONAL NOTES OR COMMENTS ON CONDITION

New lock installed

GENERAL CONDITION (CHECK ONE): ☒ GOOD ☐ MODERATE ☐ POOR



NAS Whidbey Island
Oak Harbor, WA
Naval Facilities Engineering Command Northwest

GROUNDWATER MONITORING WELL VISUAL INSPECTION CHECKLIST

DATE(S) (MM/DD/YY): <u>10/15/2021</u>	TIME (HH:MM): <u>1004</u>	WEATHER/TEMPERATURE: <u>Rain 54°</u>
INSPECTOR(S): <u>Alex McLeath, Jeff Fetters</u>		COMPANY: <u>Liberty JV</u>
LOCATION AND SITE: <u>Site 36, FFF1</u>	DESCRIPTION: <u>INDUSTRIAL</u>	
WELL ID: <u>MW-301</u>	NORTHING: <u>473487.259</u>	EASTING: <u>1204043.614</u>

INSPECTION CHECKLIST

MONITORING WELL LOCATED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
WELL CLEARLY LABELED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
MONUMENT IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF WELL CASING:	<input checked="" type="checkbox"/> STICK-UP	<input type="checkbox"/> FLUSH-MOUNT <input type="checkbox"/> OTHER:
SIZE & NUMBER OF BOLTS ON FLUSH-MOUNT LID:		
SURROUNDING SURFACE MATERIAL:	<input type="checkbox"/> CONCRETE <input type="checkbox"/> ASPHALT <input checked="" type="checkbox"/> SOIL	
	<input type="checkbox"/> OTHER: _____	
CONCRETE APRON:	<input type="checkbox"/> NOT PRESENT <input checked="" type="checkbox"/> SLOPING AWAY	<input type="checkbox"/> SUNKEN
LID CONDITION (STICKUP WELL ONLY):	<input checked="" type="checkbox"/> INTACT AND LOCKABLE	<input type="checkbox"/> DAMAGED
NUMBER OF BOLLARDS:	<u>3</u>	
BOLLARD CONDITION:	<input type="checkbox"/> NOT PRESENT <input checked="" type="checkbox"/> STILL PLUMB	<input type="checkbox"/> DAMAGED: _____
CASING DIAMETER:	<input type="checkbox"/> 2" <input checked="" type="checkbox"/> 4" <input type="checkbox"/> 6"	
	<input type="checkbox"/> 8" <input type="checkbox"/> OTHER: _____	
IS THE CASING IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
IS THERE A CAP ON THE MONITORING WELL?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF CAP:	<input type="checkbox"/> PVC SLIP CAP <input checked="" type="checkbox"/> J-PLUG <input type="checkbox"/> EXPANSION	
	<input type="checkbox"/> PRODUCTION W/TUBING <input type="checkbox"/> OTHER: _____	
LOCK MATERIAL:	<input checked="" type="checkbox"/> BRASS <input type="checkbox"/> STAINLESS STEEL <input type="checkbox"/> OTHER: _____	
LOCK SHANK LENGTH (estimated):	<u>2 7/16</u> INCHES	
LOCK LOCATION:	<input type="checkbox"/> WELL CAP <input checked="" type="checkbox"/> MONUMENT <input type="checkbox"/> BOTH	
ANY EVIDENCE OF TAMPERING WITH THE WELL CASING OR CAP?	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
ANY ODORS?	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
IF YES, DESCRIBE ODOR:	<input type="checkbox"/> SOLVENT <input type="checkbox"/> HYDROGEN SULFIDE/ROTTEN EGGS	
	<input type="checkbox"/> PETROLEUM <input type="checkbox"/> OTHER: _____	
WERE PICTURES TAKEN?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	

COMMON DEFICIENCIES

COMMON DEFICIENCIES:	<input type="checkbox"/> MISSING LOCK <input type="checkbox"/> RUSTY STICK-UP
	<input type="checkbox"/> RUSTY BOLLARDS <input type="checkbox"/> MISSING BOLTS
	NUMBER OF BOLTS MISSING: _____

ADDITIONAL NOTES OR COMMENTS ON CONDITION

New lock installed

GENERAL CONDITION (CHECK ONE): ☒ GOOD ☐ MODERATE ☐ POOR



NAS Whidbey Island
Oak Harbor, WA
Naval Facilities Engineering Command Northwest

GROUNDWATER MONITORING WELL VISUAL INSPECTION CHECKLIST

DATE(S) (MM/DD/YY): <u>10/15/2021</u>	TIME (HH:MM): <u>0954</u>	WEATHER/TEMPERATURE: <u>Rain, 54°</u>
INSPECTOR(S): <u>Alex McCarthy, Jeff Febless</u>		COMPANY: <u>Liberty JV</u>
OU AND SITE: <u>Site 36, FFP1</u>	DESCRIPTION: <u>INDUSTRIAL</u>	
WELL ID: <u>MW-303</u>	NORTHING: <u>473514.314</u>	EASTING: <u>12041096.299</u>

INSPECTION CHECKLIST

MONITORING WELL LOCATED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
WELL CLEARLY LABELED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
MONUMENT IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF WELL CASING:	<input checked="" type="checkbox"/> STICK-UP	<input type="checkbox"/> FLUSH-MOUNT <input type="checkbox"/> OTHER:
SIZE & NUMBER OF BOLTS ON FLUSH-MOUNT LID:		
SURROUNDING SURFACE MATERIAL:	<input type="checkbox"/> CONCRETE	<input type="checkbox"/> ASPHALT <input checked="" type="checkbox"/> SOIL
	<input type="checkbox"/> OTHER: _____	
CONCRETE APRON:	<input type="checkbox"/> NOT PRESENT	<input checked="" type="checkbox"/> SLOPING AWAY <input type="checkbox"/> SUNKEN
LID CONDITION (STICKUP WELL ONLY):	<input checked="" type="checkbox"/> INTACT AND LOCKABLE	<input type="checkbox"/> DAMAGED
NUMBER OF BOLLARDS:	<u>3</u>	
BOLLARD CONDITION:	<input type="checkbox"/> NOT PRESENT	<input checked="" type="checkbox"/> STILL PLUMB <input type="checkbox"/> DAMAGED: _____
CASING DIAMETER:	<input checked="" type="checkbox"/> 2"	<input type="checkbox"/> 4" <input type="checkbox"/> 6"
	<input type="checkbox"/> 8"	<input type="checkbox"/> OTHER: _____
IS THE CASING IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
IS THERE A CAP ON THE MONITORING WELL?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF CAP:	<input type="checkbox"/> PVC SLIP CAP	<input checked="" type="checkbox"/> J-PLUG <input type="checkbox"/> EXPANSION
	<input type="checkbox"/> PRODUCTION W/TUBING	<input type="checkbox"/> OTHER: _____
LOCK MATERIAL:	<input checked="" type="checkbox"/> BRASS	<input type="checkbox"/> STAINLESS STEEL <input type="checkbox"/> OTHER: _____
LOCK SHANK LENGTH (estimated):	<u>2 2/16</u> INCHES	
LOCK LOCATION:	<input type="checkbox"/> WELL CAP	<input checked="" type="checkbox"/> MONUMENT <input type="checkbox"/> BOTH
ANY EVIDENCE OF TAMPERING WITH THE WELL CASING OR CAP?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
ANY ODORS?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
IF YES, DESCRIBE ODOR:	<input type="checkbox"/> SOLVENT	<input type="checkbox"/> HYDROGEN SULFIDE/ROTTEN EGGS
	<input type="checkbox"/> PETROLEUM	<input type="checkbox"/> OTHER: _____
WERE PICTURES TAKEN?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO

COMMON DEFICIENCIES

COMMON DEFICIENCIES:	<input type="checkbox"/> MISSING LOCK	<input type="checkbox"/> RUSTY STICK-UP
	<input type="checkbox"/> RUSTY BOLLARDS	<input type="checkbox"/> MISSING BOLTS
	NUMBER OF BOLTS MISSING: _____	

ADDITIONAL NOTES OR COMMENTS ON CONDITION

New lock installed

GENERAL CONDITION (CHECK ONE):

☒ GOOD

☐ MODERATE

☐ POOR



NAS Whidbey Island
Oak Harbor, WA
Naval Facilities Engineering Command Northwest

GROUNDWATER MONITORING WELL VISUAL INSPECTION CHECKLIST

DATE(S) (MM/DD/YY): 10/15/2021	TIME (HH:MM): 1007	WEATHER/TEMPERATURE: Rain 54°
INSPECTOR(S): Alex McElanthy, Jeff Fetters		COMPANY: Liberty SV.
LOCATION AND SITE: Site 36, FFF1	DESCRIPTION: INDUSTRIAL	
WELL ID: MW-304	NORTHING: 413555.608	EASTING: 1203995.200

INSPECTION CHECKLIST

MONITORING WELL LOCATED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
WELL CLEARLY LABELED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
MONUMENT IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF WELL CASING:	<input checked="" type="checkbox"/> STICK-UP	<input checked="" type="checkbox"/> FLUSH-MOUNT <input type="checkbox"/> OTHER:
SIZE & NUMBER OF BOLTS ON FLUSH-MOUNT LID:		
SURROUNDING SURFACE MATERIAL:	<input type="checkbox"/> CONCRETE	<input type="checkbox"/> ASPHALT <input checked="" type="checkbox"/> SOIL
	<input type="checkbox"/> OTHER: _____	
CONCRETE APRON:	<input type="checkbox"/> NOT PRESENT	<input checked="" type="checkbox"/> SLOPING AWAY <input type="checkbox"/> SUNKEN
LID CONDITION (STICKUP WELL ONLY):	<input checked="" type="checkbox"/> INTACT AND LOCKABLE	<input type="checkbox"/> DAMAGED
NUMBER OF BOLLARDS:	3	
BOLLARD CONDITION:	<input type="checkbox"/> NOT PRESENT	<input checked="" type="checkbox"/> STILL PLUMB <input type="checkbox"/> DAMAGED: _____
CASING DIAMETER:	<input type="checkbox"/> 2" <input type="checkbox"/> 8"	<input checked="" type="checkbox"/> 4" <input type="checkbox"/> 6" <input type="checkbox"/> OTHER: _____
IS THE CASING IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
IS THERE A CAP ON THE MONITORING WELL?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF CAP:	<input type="checkbox"/> PVC SLIP CAP <input type="checkbox"/> PRODUCTION W/TUBING	<input checked="" type="checkbox"/> J-PLUG <input type="checkbox"/> EXPANSION <input type="checkbox"/> OTHER: _____
LOCK MATERIAL:	<input checked="" type="checkbox"/> BRASS	<input type="checkbox"/> STAINLESS STEEL <input type="checkbox"/> OTHER: _____
LOCK SHANK LENGTH (estimated):	2 7/16 INCHES	
LOCK LOCATION:	<input type="checkbox"/> WELL CAP	<input checked="" type="checkbox"/> MONUMENT <input type="checkbox"/> BOTH
ANY EVIDENCE OF TAMPERING WITH THE WELL CASING OR CAP?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
ANY ODORS?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
IF YES, DESCRIBE ODOR:	<input type="checkbox"/> SOLVENT <input type="checkbox"/> PETROLEUM	<input type="checkbox"/> HYDROGEN SULFIDE/ROTTEN EGGS <input type="checkbox"/> OTHER: _____
WERE PICTURES TAKEN?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO

COMMON DEFICIENCIES

COMMON DEFICIENCIES:	<input type="checkbox"/> MISSING LOCK	<input type="checkbox"/> RUSTY STICK-UP
	<input type="checkbox"/> RUSTY BOLLARDS	<input type="checkbox"/> MISSING BOLTS
		NUMBER OF BOLTS MISSING: _____

ADDITIONAL NOTES OR COMMENTS ON CONDITION

New lock installed
Concrete and monument are slightly loose - not set.

GENERAL CONDITION (CHECK ONE): ☐ GOOD ☒ MODERATE ☐ POOR



NAS Whidbey Island
Oak Harbor, WA
Naval Facilities Engineering Command Northwest

GROUNDWATER MONITORING WELL VISUAL INSPECTION CHECKLIST

DATE(S) (MM/DD/YY): <u>10/15/2021</u>	TIME (HH:MM): <u>10:00</u>	WEATHER/TEMPERATURE: <u>Rain 54°</u>
INSPECTOR(S): <u>Alex McElenthy, Jeff Fettes</u>		COMPANY: <u>Liberty SV</u>
OU AND SITE: <u>Site 36, FFF1</u>	DESCRIPTION: <u>INDUSTRIAL</u>	
WELL ID: <u>MW-305</u>	NORTHING: <u>473557.032</u>	EASTING: <u>1204062.125</u>

INSPECTION CHECKLIST

MONITORING WELL LOCATED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
WELL CLEARLY LABELED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
MONUMENT IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF WELL CASING:	<input checked="" type="checkbox"/> STICK-UP	<input type="checkbox"/> FLUSH-MOUNT <input type="checkbox"/> OTHER:
SIZE & NUMBER OF BOLTS ON FLUSH-MOUNT LID:		
SURROUNDING SURFACE MATERIAL:	<input type="checkbox"/> CONCRETE	<input type="checkbox"/> ASPHALT <input checked="" type="checkbox"/> SOIL
CONCRETE APRON:	<input type="checkbox"/> OTHER: _____	<input type="checkbox"/> NOT PRESENT
LID CONDITION (STICKUP WELL ONLY):	<input type="checkbox"/> INTACT AND LOCKABLE	<input checked="" type="checkbox"/> SLOPING AWAY <input type="checkbox"/> SUNKEN
NUMBER OF BOLLARDS:	<u>3</u>	<input checked="" type="checkbox"/> DAMAGED - hinge broken
BOLLARD CONDITION:	<input type="checkbox"/> NOT PRESENT	<input checked="" type="checkbox"/> STILL PLUMB <input type="checkbox"/> DAMAGED: _____
CASING DIAMETER:	<input type="checkbox"/> 2" <input type="checkbox"/> 8"	<input checked="" type="checkbox"/> 4" <input type="checkbox"/> 6"
	<input type="checkbox"/> OTHER: _____	
IS THE CASING IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
IS THERE A CAP ON THE MONITORING WELL?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF CAP:	<input type="checkbox"/> PVC SLIP CAP	<input checked="" type="checkbox"/> J-PLUG <input type="checkbox"/> EXPANSION
	<input type="checkbox"/> PRODUCTION W/TUBING	<input type="checkbox"/> OTHER: _____
LOCK MATERIAL:	<input checked="" type="checkbox"/> BRASS	<input type="checkbox"/> STAINLESS STEEL <input type="checkbox"/> OTHER: _____
LOCK SHANK LENGTH (estimated):	<u>2 3/16</u> INCHES	
LOCK LOCATION:	<input type="checkbox"/> WELL CAP	<input checked="" type="checkbox"/> MONUMENT <input type="checkbox"/> BOTH
ANY EVIDENCE OF TAMPERING WITH THE WELL CASING OR CAP?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
ANY ODORS?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
IF YES, DESCRIBE ODOR:	<input type="checkbox"/> SOLVENT	<input type="checkbox"/> HYDROGEN SULFIDE/ROTTEN EGGS
	<input type="checkbox"/> PETROLEUM	<input type="checkbox"/> OTHER: _____
WERE PICTURES TAKEN?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO

COMMON DEFICIENCIES

COMMON DEFICIENCIES:	<input type="checkbox"/> MISSING LOCK	<input type="checkbox"/> RUSTY STICK-UP
	<input type="checkbox"/> RUSTY BOLLARDS	<input type="checkbox"/> MISSING BOLTS
		NUMBER OF BOLTS MISSING: _____

ADDITIONAL NOTES OR COMMENTS ON CONDITION

New lock installed
Well is accessible even when locked - lid broken.

GENERAL CONDITION (CHECK ONE):	<input type="checkbox"/> GOOD	<input checked="" type="checkbox"/> MODERATE	<input type="checkbox"/> POOR
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NAS Whidbey Island
Oak Harbor, WA
Naval Facilities Engineering Command Northwest

GROUNDWATER MONITORING WELL VISUAL INSPECTION CHECKLIST

DATE(S) (MM/DD/YY): <u>10/15/2021</u>	TIME (HH:MM): <u>1016</u>	WEATHER/TEMPERATURE: <u>RAIN 54°</u>
INSPECTOR(S): <u>Alex McCarthy, Jeff Fetters</u>		COMPANY: <u>Liberty JV</u>
OU AND SITE: <u>Site 36, FFF1</u>	DESCRIPTION: <u>INDUSTRIAL</u>	
WELL ID: <u>MW-306</u>	NORTHING: <u>443369.072</u>	EASTING: <u>1204144.713</u>

INSPECTION CHECKLIST

MONITORING WELL LOCATED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
WELL CLEARLY LABELED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
MONUMENT IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF WELL CASING:	<input checked="" type="checkbox"/> STICK-UP	<input type="checkbox"/> FLUSH-MOUNT <input type="checkbox"/> OTHER:
SIZE & NUMBER OF BOLTS ON FLUSH-MOUNT LID:		
SURROUNDING SURFACE MATERIAL:	<input type="checkbox"/> CONCRETE	<input type="checkbox"/> ASPHALT <input checked="" type="checkbox"/> SOIL
	<input type="checkbox"/> OTHER:	
CONCRETE APRON:	<input type="checkbox"/> NOT PRESENT	<input checked="" type="checkbox"/> SLOPING AWAY <input type="checkbox"/> SUNKEN
LID CONDITION (STICKUP WELL ONLY):	<input checked="" type="checkbox"/> INTACT AND LOCKABLE	<input type="checkbox"/> DAMAGED
NUMBER OF BOLLARDS:	<u>3</u>	
BOLLARD CONDITION:	<input type="checkbox"/> NOT PRESENT	<input checked="" type="checkbox"/> STILL PLUMB <input type="checkbox"/> DAMAGED: _____
CASING DIAMETER:	<input checked="" type="checkbox"/> 2" <input type="checkbox"/> 8"	<input type="checkbox"/> 4" <input type="checkbox"/> 6" <input type="checkbox"/> OTHER: _____
IS THE CASING IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
IS THERE A CAP ON THE MONITORING WELL?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF CAP:	<input type="checkbox"/> PVC SLIP CAP <input checked="" type="checkbox"/> J-PLUG <input type="checkbox"/> EXPANSION	<input type="checkbox"/> PRODUCTION W/TUBING <input type="checkbox"/> OTHER: _____
LOCK MATERIAL:	<input checked="" type="checkbox"/> BRASS	<input type="checkbox"/> STAINLESS STEEL <input type="checkbox"/> OTHER: _____
LOCK SHANK LENGTH (estimated):	<u>2 7/16</u> INCHES	
LOCK LOCATION:	<input type="checkbox"/> WELL CAP <input checked="" type="checkbox"/> MONUMENT <input type="checkbox"/> BOTH	
ANY EVIDENCE OF TAMPERING WITH THE WELL CASING OR CAP?	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
ANY ODORS?	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
IF YES, DESCRIBE ODOR:	<input type="checkbox"/> SOLVENT <input type="checkbox"/> HYDROGEN SULFIDE/ROTTEN EGGS	<input type="checkbox"/> PETROLEUM <input type="checkbox"/> OTHER: _____
WERE PICTURES TAKEN?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO

COMMON DEFICIENCIES

COMMON DEFICIENCIES:	<input type="checkbox"/> MISSING LOCK	<input type="checkbox"/> RUSTY STICK-UP
	<input type="checkbox"/> RUSTY BOLLARDS	<input type="checkbox"/> MISSING BOLTS
	NUMBER OF BOLTS MISSING: _____	

ADDITIONAL NOTES OR COMMENTS ON CONDITION

New lock installed.

GENERAL CONDITION (CHECK ONE): ☒ GOOD ☐ MODERATE ☐ POOR



NAS Whidbey Island
Oak Harbor, WA
Naval Facilities Engineering Command Northwest

GROUNDWATER MONITORING WELL VISUAL INSPECTION CHECKLIST

DATE(S) (MM/DD/YY): <u>10/15/2021</u>	TIME (HH:MM): <u>1118</u>	WEATHER/TEMPERATURE: <u>Rain, 54°</u>
INSPECTOR(S): <u>Alex McConthy, Jeff Fettes</u>		COMPANY: <u>Liberty JV.</u>
OU AND SITE: <u>Site 36, FFF1</u>	DESCRIPTION: <u>INDUSTRIAL</u>	
WELL ID: <u>MU-311</u>	NORTHING: <u>493302.147</u>	EASTING: <u>1204299.923</u>

INSPECTION CHECKLIST

MONITORING WELL LOCATED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
WELL CLEARLY LABELED?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO <u>labelled under cap.</u>
MONUMENT IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF WELL CASING:	<input checked="" type="checkbox"/> STICK-UP	<input type="checkbox"/> FLUSH-MOUNT <input type="checkbox"/> OTHER:
SIZE & NUMBER OF BOLTS ON FLUSH-MOUNT LID:		
SURROUNDING SURFACE MATERIAL:	<input type="checkbox"/> CONCRETE	<input type="checkbox"/> ASPHALT <input checked="" type="checkbox"/> SOIL
CONCRETE APRON:	<input type="checkbox"/> NOT PRESENT	<input checked="" type="checkbox"/> SLOPING AWAY <input type="checkbox"/> SUNKEN
LID CONDITION (STICKUP WELL ONLY):	<input checked="" type="checkbox"/> INTACT AND LOCKABLE	<input type="checkbox"/> DAMAGED
NUMBER OF BOLLARDS:	<u>3</u>	
BOLLARD CONDITION:	<input type="checkbox"/> NOT PRESENT	<input checked="" type="checkbox"/> STILL PLUMB <input type="checkbox"/> DAMAGED: _____
CASING DIAMETER:	<input checked="" type="checkbox"/> 2" <input type="checkbox"/> 8"	<input type="checkbox"/> 4" <input type="checkbox"/> 6" <input type="checkbox"/> OTHER: _____
IS THE CASING IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
IS THERE A CAP ON THE MONITORING WELL?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF CAP:	<input type="checkbox"/> PVC SLIP CAP <input type="checkbox"/> PRODUCTION W/TUBING	<input checked="" type="checkbox"/> J-PLUG <input type="checkbox"/> EXPANSION <input type="checkbox"/> OTHER: _____
LOCK MATERIAL:	<input checked="" type="checkbox"/> BRASS	<input type="checkbox"/> STAINLESS STEEL <input type="checkbox"/> OTHER: _____
LOCK SHANK LENGTH (estimated):	<u>2 7/16</u> INCHES	
LOCK LOCATION:	<input type="checkbox"/> WELL CAP	<input checked="" type="checkbox"/> MONUMENT <input type="checkbox"/> BOTH
ANY EVIDENCE OF TAMPERING WITH THE WELL CASING OR CAP?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
ANY ODORS?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
IF YES, DESCRIBE ODOR:	<input type="checkbox"/> SOLVENT <input type="checkbox"/> PETROLEUM	<input type="checkbox"/> HYDROGEN SULFIDE/ROTTEN EGGS <input type="checkbox"/> OTHER: _____
WERE PICTURES TAKEN?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO

COMMON DEFICIENCIES

COMMON DEFICIENCIES:	<input type="checkbox"/> MISSING LOCK <input type="checkbox"/> RUSTY BOLLARDS	<input type="checkbox"/> RUSTY STICK-UP <input type="checkbox"/> MISSING BOLTS
		NUMBER OF BOLTS MISSING: _____

ADDITIONAL NOTES OR COMMENTS ON CONDITION

New lock installed.

GENERAL CONDITION (CHECK ONE): ☒ GOOD ☐ MODERATE ☐ POOR



NAS Whidbey Island
Oak Harbor, WA
Naval Facilities Engineering Command Northwest

GROUNDWATER MONITORING WELL VISUAL INSPECTION CHECKLIST

DATE(S) (MM/DD/YY): <u>10/15/2021</u>	TIME (HH:MM): <u>1115</u>	WEATHER/TEMPERATURE: <u>RAIN, 54°</u>
INSPECTOR(S): <u>Alex McConthy, Jeff Fetters</u>		COMPANY: <u>Liberty JV.</u>
OU AND SITE: <u>Site 36, FFF1</u>	DESCRIPTION: <u>INDUSTRIAL</u>	
WELL ID: <u>MW-313</u>	NORTHING: <u>443386.159</u>	EASTING: <u>1204454.981</u>

INSPECTION CHECKLIST

MONITORING WELL LOCATED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
WELL CLEARLY LABELED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
MONUMENT IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF WELL CASING:	<input checked="" type="checkbox"/> STICK-UP	<input type="checkbox"/> FLUSH-MOUNT <input type="checkbox"/> OTHER:
SIZE & NUMBER OF BOLTS ON FLUSH-MOUNT LID:		
SURROUNDING SURFACE MATERIAL:	<input type="checkbox"/> CONCRETE <input type="checkbox"/> ASPHALT <input checked="" type="checkbox"/> SOIL	
	<input type="checkbox"/> OTHER:	
CONCRETE APRON:	<input type="checkbox"/> NOT PRESENT <input checked="" type="checkbox"/> SLOPING AWAY	<input type="checkbox"/> SUNKEN
LID CONDITION (STICKUP WELL ONLY):	<input checked="" type="checkbox"/> INTACT AND LOCKABLE	<input type="checkbox"/> DAMAGED
NUMBER OF BOLLARDS:	<u>3</u>	
BOLLARD CONDITION:	<input type="checkbox"/> NOT PRESENT <input checked="" type="checkbox"/> STILL PLUMB	<input type="checkbox"/> DAMAGED: _____
CASING DIAMETER:	<input checked="" type="checkbox"/> 2" <input type="checkbox"/> 4" <input type="checkbox"/> 6" <input type="checkbox"/> 8" <input type="checkbox"/> OTHER: _____	
IS THE CASING IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
IS THERE A CAP ON THE MONITORING WELL?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF CAP:	<input checked="" type="checkbox"/> PVC SLIP CAP <input type="checkbox"/> J-PLUG <input type="checkbox"/> EXPANSION	
	<input type="checkbox"/> PRODUCTION W/TUBING <input type="checkbox"/> OTHER: _____	
LOCK MATERIAL:	<input checked="" type="checkbox"/> BRASS <input type="checkbox"/> STAINLESS STEEL <input type="checkbox"/> OTHER: _____	
LOCK SHANK LENGTH (estimated):	<u>2 7/16</u> INCHES	
LOCK LOCATION:	<input type="checkbox"/> WELL CAP <input checked="" type="checkbox"/> MONUMENT <input type="checkbox"/> BOTH	
ANY EVIDENCE OF TAMPERING WITH THE WELL CASING OR CAP?	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
ANY ODORS?	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
IF YES, DESCRIBE ODOR:	<input type="checkbox"/> SOLVENT <input type="checkbox"/> HYDROGEN SULFIDE/ROTTEN EGGS	
	<input type="checkbox"/> PETROLEUM <input type="checkbox"/> OTHER: _____	
WERE PICTURES TAKEN?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	

COMMON DEFICIENCIES

COMMON DEFICIENCIES:	<input type="checkbox"/> MISSING LOCK <input type="checkbox"/> RUSTY STICK-UP
	<input type="checkbox"/> RUSTY BOLLARDS <input type="checkbox"/> MISSING BOLTS
	NUMBER OF BOLTS MISSING: _____

ADDITIONAL NOTES OR COMMENTS ON CONDITION

New lock installed

GENERAL CONDITION (CHECK ONE): ☒ GOOD ☐ MODERATE ☐ POOR



NAS Whidbey Island
Oak Harbor, WA
Naval Facilities Engineering Command Northwest

GROUNDWATER MONITORING WELL VISUAL INSPECTION CHECKLIST

DATE(S) (MM/DD/YY): <u>10/15/2021</u>	TIME (HH:MM): <u>0926</u>	WEATHER/TEMPERATURE: <u>Rain, 54°</u>
INSPECTOR(S): <u>Alex McLarthy, Jeff Fettes-</u>		COMPANY: <u>Liberty JV.</u>
OU AND SITE: <u>Site 36, PPM</u>	DESCRIPTION: <u>INDUSTRIAL</u>	
WELL ID: <u>MW-315</u>	NORTHING: <u>473954.509</u>	EASTING: <u>1204489.307</u>

INSPECTION CHECKLIST

MONITORING WELL LOCATED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
WELL CLEARLY LABELED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
MONUMENT IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF WELL CASING:	<input checked="" type="checkbox"/> STICK-UP	<input type="checkbox"/> FLUSH-MOUNT <input type="checkbox"/> OTHER:
SIZE & NUMBER OF BOLTS ON FLUSH-MOUNT LID:		
SURROUNDING SURFACE MATERIAL:	<input type="checkbox"/> CONCRETE <input type="checkbox"/> ASPHALT <input checked="" type="checkbox"/> SOIL	
	<input type="checkbox"/> OTHER: _____	
CONCRETE APRON:	<input type="checkbox"/> NOT PRESENT <input checked="" type="checkbox"/> SLOPING AWAY	<input type="checkbox"/> SUNKEN
LID CONDITION (STICKUP WELL ONLY):	<input checked="" type="checkbox"/> INTACT AND LOCKABLE	<input type="checkbox"/> DAMAGED
NUMBER OF BOLLARDS:	<u>3</u>	
BOLLARD CONDITION:	<input type="checkbox"/> NOT PRESENT <input checked="" type="checkbox"/> STILL PLUMB	<input type="checkbox"/> DAMAGED: _____
CASING DIAMETER:	<input checked="" type="checkbox"/> 2" <input type="checkbox"/> 4" <input type="checkbox"/> 6" <input type="checkbox"/> 8" <input type="checkbox"/> OTHER: _____	
IS THE CASING IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
IS THERE A CAP ON THE MONITORING WELL?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF CAP:	<input type="checkbox"/> PVC SLIP CAP <input checked="" type="checkbox"/> J-PLUG <input type="checkbox"/> EXPANSION	
	<input type="checkbox"/> PRODUCTION W/TUBING <input type="checkbox"/> OTHER: _____	
LOCK MATERIAL:	<input checked="" type="checkbox"/> BRASS <input type="checkbox"/> STAINLESS STEEL <input type="checkbox"/> OTHER: _____	
LOCK SHANK LENGTH (estimated):	<u>2 7/16</u> INCHES	
LOCK LOCATION:	<input type="checkbox"/> WELL CAP <input checked="" type="checkbox"/> MONUMENT <input type="checkbox"/> BOTH	
ANY EVIDENCE OF TAMPERING WITH THE WELL CASING OR CAP?	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
ANY ODORS?	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
IF YES, DESCRIBE ODOR:	<input type="checkbox"/> SOLVENT <input type="checkbox"/> HYDROGEN SULFIDE/ROTTEN EGGS	
	<input type="checkbox"/> PETROLEUM <input type="checkbox"/> OTHER: _____	
WERE PICTURES TAKEN?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	

COMMON DEFICIENCIES

COMMON DEFICIENCIES:	<input type="checkbox"/> MISSING LOCK <input type="checkbox"/> RUSTY STICK-UP
	<input type="checkbox"/> RUSTY BOLLARDS <input type="checkbox"/> MISSING BOLTS
	NUMBER OF BOLTS MISSING: _____

ADDITIONAL NOTES OR COMMENTS ON CONDITION

New lock installed

GENERAL CONDITION (CHECK ONE):	<input checked="" type="checkbox"/> GOOD	<input type="checkbox"/> MODERATE	<input type="checkbox"/> POOR
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NAS Whidbey Island
Oak Harbor, WA
Naval Facilities Engineering Command Northwest

GROUNDWATER MONITORING WELL VISUAL INSPECTION CHECKLIST

DATE(S) (MM/DD/YY): <u>10/15/2021</u>	TIME (HH:MM): <u>0939</u>	WEATHER/TEMPERATURE: <u>Rain, 54°</u>
INSPECTOR(S): <u>Alex McEnty, Jeff Feltner</u>		COMPANY: <u>Liberty JV.</u>
OU AND SITE: <u>Sub 30, RFI</u>	DESCRIPTION: <u>INDUSTRIAL</u>	
WELL ID: <u>MW-317</u>	NORTHING: <u>473522.858</u>	EASTING: <u>1204402.447</u>

INSPECTION CHECKLIST

MONITORING WELL LOCATED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
WELL CLEARLY LABELED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
MONUMENT IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF WELL CASING:	<input checked="" type="checkbox"/> STICK-UP	<input type="checkbox"/> FLUSH-MOUNT <input type="checkbox"/> OTHER:
SIZE & NUMBER OF BOLTS ON FLUSH-MOUNT LID:		
SURROUNDING SURFACE MATERIAL:	<input type="checkbox"/> CONCRETE	<input type="checkbox"/> ASPHALT <input checked="" type="checkbox"/> SOIL
	<input type="checkbox"/> OTHER:	
CONCRETE APRON:	<input type="checkbox"/> NOT PRESENT	<input checked="" type="checkbox"/> SLOPING AWAY <input type="checkbox"/> SUNKEN
LID CONDITION (STICKUP WELL ONLY):	<input checked="" type="checkbox"/> INTACT AND LOCKABLE	<input type="checkbox"/> DAMAGED
NUMBER OF BOLLARDS:	<u>3</u>	
BOLLARD CONDITION:	<input type="checkbox"/> NOT PRESENT	<input checked="" type="checkbox"/> STILL PLUMB <input type="checkbox"/> DAMAGED: _____
CASING DIAMETER:	<input checked="" type="checkbox"/> 2"	<input type="checkbox"/> 4" <input type="checkbox"/> 6"
	<input type="checkbox"/> 8"	<input type="checkbox"/> OTHER: _____
IS THE CASING IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
IS THERE A CAP ON THE MONITORING WELL?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF CAP:	<input type="checkbox"/> PVC SLIP CAP	<input checked="" type="checkbox"/> J-PLUG <input type="checkbox"/> EXPANSION
	<input type="checkbox"/> PRODUCTION W/TUBING	<input type="checkbox"/> OTHER: _____
LOCK MATERIAL:	<input checked="" type="checkbox"/> BRASS	<input type="checkbox"/> STAINLESS STEEL <input type="checkbox"/> OTHER: _____
LOCK SHANK LENGTH (estimated):	<u>2 1/4</u> INCHES	
LOCK LOCATION:	<input type="checkbox"/> WELL CAP	<input checked="" type="checkbox"/> MONUMENT <input type="checkbox"/> BOTH
ANY EVIDENCE OF TAMPERING WITH THE WELL CASING OR CAP?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
ANY ODORS?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
IF YES, DESCRIBE ODOR:	<input type="checkbox"/> SOLVENT	<input type="checkbox"/> HYDROGEN SULFIDE/ROTTEN EGGS
	<input type="checkbox"/> PETROLEUM	<input type="checkbox"/> OTHER: _____
WERE PICTURES TAKEN?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO

COMMON DEFICIENCIES

COMMON DEFICIENCIES:	<input type="checkbox"/> MISSING LOCK	<input type="checkbox"/> RUSTY STICK-UP
	<input type="checkbox"/> RUSTY BOLLARDS	<input type="checkbox"/> MISSING BOLTS
	NUMBER OF BOLTS MISSING: _____	

ADDITIONAL NOTES OR COMMENTS ON CONDITION

New lock installed

GENERAL CONDITION (CHECK ONE): ☒ GOOD ☐ MODERATE ☐ POOR



NAS Whidbey Island
Oak Harbor, WA
Naval Facilities Engineering Command Northwest

GROUNDWATER MONITORING WELL VISUAL INSPECTION CHECKLIST

DATE(S) (MM/DD/YY): <u>10/15/2021</u>	TIME (HH:MM): <u>1100</u>	WEATHER/TEMPERATURE: <u>Rain, 54°</u>
INSPECTOR(S): <u>Alex McConthy, Jeff Feltz</u>	COMPANY: <u>Liberty JV.</u>	
OU AND SITE: <u>Site 36, FFF1</u>	DESCRIPTION: <u>INDUSTRIAL</u>	
WELL ID: <u>MW-318</u>	NORTHING: <u>443118.458</u>	EASTING: <u>1204049.309</u>

INSPECTION CHECKLIST

MONITORING WELL LOCATED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
WELL CLEARLY LABELED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
MONUMENT IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF WELL CASING:	<input type="checkbox"/> STICK-UP	<input checked="" type="checkbox"/> FLUSH-MOUNT <input type="checkbox"/> OTHER:
SIZE & NUMBER OF BOLTS ON FLUSH-MOUNT LID:		
SURROUNDING SURFACE MATERIAL:	<input type="checkbox"/> CONCRETE	<input type="checkbox"/> ASPHALT <input checked="" type="checkbox"/> SOIL
CONCRETE APRON:	<input type="checkbox"/> NOT PRESENT	<input checked="" type="checkbox"/> SLOPING AWAY <input type="checkbox"/> SUNKEN
LID CONDITION (STICKUP WELL ONLY):	<input type="checkbox"/> INTACT AND LOCKABLE	<input checked="" type="checkbox"/> DAMAGED <u>Hinge broken</u>
NUMBER OF BOLLARDS:	<u>3</u>	
BOLLARD CONDITION:	<input type="checkbox"/> NOT PRESENT	<input checked="" type="checkbox"/> STILL PLUMB <input type="checkbox"/> DAMAGED: _____
CASING DIAMETER:	<input checked="" type="checkbox"/> 2" <input type="checkbox"/> 8"	<input type="checkbox"/> 4" <input type="checkbox"/> 6" <input type="checkbox"/> OTHER: _____
IS THE CASING IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
IS THERE A CAP ON THE MONITORING WELL?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF CAP:	<input type="checkbox"/> PVC SLIP CAP <input type="checkbox"/> PRODUCTION W/TUBING	<input checked="" type="checkbox"/> J-PLUG <input type="checkbox"/> EXPANSION
LOCK MATERIAL:	<input checked="" type="checkbox"/> BRASS	<input type="checkbox"/> STAINLESS STEEL <input type="checkbox"/> OTHER: _____
LOCK SHANK LENGTH (estimated):	<u>2 3/16</u> INCHES	
LOCK LOCATION:	<input type="checkbox"/> WELL CAP	<input checked="" type="checkbox"/> MONUMENT <input type="checkbox"/> BOTH
ANY EVIDENCE OF TAMPERING WITH THE WELL CASING OR CAP?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
ANY ODORS?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
IF YES, DESCRIBE ODOR:	<input type="checkbox"/> SOLVENT <input type="checkbox"/> PETROLEUM	<input type="checkbox"/> HYDROGEN SULFIDE/ROTTEN EGGS <input type="checkbox"/> OTHER: _____
WERE PICTURES TAKEN?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO

COMMON DEFICIENCIES

COMMON DEFICIENCIES:	<input type="checkbox"/> MISSING LOCK <input type="checkbox"/> RUSTY BOLLARDS	<input type="checkbox"/> RUSTY STICK-UP <input type="checkbox"/> MISSING BOLTS
	NUMBER OF BOLTS MISSING: _____	

ADDITIONAL NOTES OR COMMENTS ON CONDITION

*New lock installed.
Monument cap hinge broken, lockable but well can be accessed.*

GENERAL CONDITION (CHECK ONE): ☐ GOOD ☒ MODERATE ☐ POOR



NAS Whidbey Island
Oak Harbor, WA
Naval Facilities Engineering Command Northwest

GROUNDWATER MONITORING WELL VISUAL INSPECTION CHECKLIST

DATE(S) (MM/DD/YY): <u>10/15/2021</u>	TIME (HH:MM): <u>1058</u>	WEATHER/TEMPERATURE: <u>Rain, 54°</u>
INSPECTOR(S): <u>Alex McLenthy, Jeff Fetter</u>	COMPANY: <u>Liberty FU</u>	
OU AND SITE: <u>Site 36, FFF1</u>	DESCRIPTION: <u>INDUSTRIAL</u>	
WELL ID: <u>MW-319</u>	NORTHING: <u>473179.688</u>	EASTING: <u>1204109.115</u>

INSPECTION CHECKLIST

MONITORING WELL LOCATED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
WELL CLEARLY LABELED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
MONUMENT IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF WELL CASING:	<input checked="" type="checkbox"/> STICK-UP	<input type="checkbox"/> FLUSH-MOUNT <input type="checkbox"/> OTHER:
SIZE & NUMBER OF BOLTS ON FLUSH-MOUNT LID:		
SURROUNDING SURFACE MATERIAL:	<input type="checkbox"/> CONCRETE	<input type="checkbox"/> ASPHALT <input checked="" type="checkbox"/> SOIL
CONCRETE APRON:	<input type="checkbox"/> OTHER: _____	
LID CONDITION (STICKUP WELL ONLY):	<input type="checkbox"/> NOT PRESENT	<input checked="" type="checkbox"/> SLOPING AWAY <input type="checkbox"/> SUNKEN
NUMBER OF BOLLARDS:	<u>3</u>	<input type="checkbox"/> DAMAGED
BOLLARD CONDITION:	<input type="checkbox"/> NOT PRESENT	<input checked="" type="checkbox"/> STILL PLUMB <input type="checkbox"/> DAMAGED: _____
CASING DIAMETER:	<input checked="" type="checkbox"/> 2"	<input type="checkbox"/> 4" <input type="checkbox"/> 6"
	<input type="checkbox"/> 8"	<input type="checkbox"/> OTHER: _____
IS THE CASING IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
IS THERE A CAP ON THE MONITORING WELL?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF CAP:	<input type="checkbox"/> PVC SLIP CAP	<input checked="" type="checkbox"/> J-PLUG <input type="checkbox"/> EXPANSION
	<input type="checkbox"/> PRODUCTION W/TUBING	<input type="checkbox"/> OTHER: _____
LOCK MATERIAL:	<input checked="" type="checkbox"/> BRASS	<input type="checkbox"/> STAINLESS STEEL <input type="checkbox"/> OTHER: _____
LOCK SHANK LENGTH (estimated):	<u>2 7/16</u> INCHES	
LOCK LOCATION:	<input type="checkbox"/> WELL CAP	<input checked="" type="checkbox"/> MONUMENT <input type="checkbox"/> BOTH
ANY EVIDENCE OF TAMPERING WITH THE WELL CASING OR CAP?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
ANY ODORS?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
IF YES, DESCRIBE ODOR:	<input type="checkbox"/> SOLVENT	<input type="checkbox"/> HYDROGEN SULFIDE/ROTTEN EGGS
	<input type="checkbox"/> PETROLEUM	<input type="checkbox"/> OTHER: _____
WERE PICTURES TAKEN?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO

COMMON DEFICIENCIES

COMMON DEFICIENCIES:	<input type="checkbox"/> MISSING LOCK	<input type="checkbox"/> RUSTY STICK-UP
	<input type="checkbox"/> RUSTY BOLLARDS	<input type="checkbox"/> MISSING BOLTS
	NUMBER OF BOLTS MISSING: _____	

ADDITIONAL NOTES OR COMMENTS ON CONDITION

*New lock installed
lid already noted shut*

GENERAL CONDITION (CHECK ONE):	<input checked="" type="checkbox"/> GOOD	<input type="checkbox"/> MODERATE	<input type="checkbox"/> POOR
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NAS Whidbey Island
Oak Harbor, WA
Naval Facilities Engineering Command Northwest

GROUNDWATER MONITORING WELL VISUAL INSPECTION CHECKLIST

DATE(S) (MM/DD/YY): <u>10/15/2021</u>	TIME (HH:MM): <u>1053</u>	WEATHER/TEMPERATURE: <u>Rain, 54°</u>
INSPECTOR(S): <u>Alex McElanthy, Jeff Fetters</u>		COMPANY: <u>Liberty JV.</u>
OU AND SITE: <u>Site 36, FFF1</u>	DESCRIPTION: <u>INDUSTRIAL</u>	
WELL ID: <u>MW-320</u>	NORTHING: <u>473238.069</u>	EASTING: <u>1204198.823</u>

INSPECTION CHECKLIST

MONITORING WELL LOCATED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
WELL CLEARLY LABELED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
MONUMENT IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF WELL CASING:	<input checked="" type="checkbox"/> STICK-UP	<input type="checkbox"/> FLUSH-MOUNT <input type="checkbox"/> OTHER:
SIZE & NUMBER OF BOLTS ON FLUSH-MOUNT LID:		
SURROUNDING SURFACE MATERIAL:	<input type="checkbox"/> CONCRETE	<input type="checkbox"/> ASPHALT <input checked="" type="checkbox"/> SOIL
CONCRETE APRON:	<input type="checkbox"/> OTHER: _____	
LID CONDITION (STICKUP WELL ONLY):	<input type="checkbox"/> NOT PRESENT	<input checked="" type="checkbox"/> SLOPING AWAY <input type="checkbox"/> SUNKEN
	<input checked="" type="checkbox"/> INTACT AND LOCKABLE	<input type="checkbox"/> DAMAGED
NUMBER OF BOLLARDS:	<u>3</u>	
BOLLARD CONDITION:	<input type="checkbox"/> NOT PRESENT	<input checked="" type="checkbox"/> STILL PLUMB <input type="checkbox"/> DAMAGED: _____
CASING DIAMETER:	<input checked="" type="checkbox"/> 2"	<input type="checkbox"/> 4" <input type="checkbox"/> 6"
	<input type="checkbox"/> 8"	<input type="checkbox"/> OTHER: _____
IS THE CASING IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
IS THERE A CAP ON THE MONITORING WELL?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF CAP:	<input type="checkbox"/> PVC SLIP CAP	<input checked="" type="checkbox"/> J-PLUG <input type="checkbox"/> EXPANSION
	<input type="checkbox"/> PRODUCTION W/TUBING	<input type="checkbox"/> OTHER: _____
LOCK MATERIAL:	<input checked="" type="checkbox"/> BRASS	<input type="checkbox"/> STAINLESS STEEL <input type="checkbox"/> OTHER: _____
LOCK SHANK LENGTH (estimated):	<u>2 1/16</u> INCHES	
LOCK LOCATION:	<input type="checkbox"/> WELL CAP	<input checked="" type="checkbox"/> MONUMENT <input type="checkbox"/> BOTH
ANY EVIDENCE OF TAMPERING WITH THE WELL CASING OR CAP?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
ANY ODORS?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
IF YES, DESCRIBE ODOR:	<input type="checkbox"/> SOLVENT	<input type="checkbox"/> HYDROGEN SULFIDE/ROTTEN EGGS
	<input type="checkbox"/> PETROLEUM	<input type="checkbox"/> OTHER: _____
WERE PICTURES TAKEN?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO

COMMON DEFICIENCIES

COMMON DEFICIENCIES:	<input type="checkbox"/> MISSING LOCK	<input type="checkbox"/> RUSTY STICK-UP
	<input type="checkbox"/> RUSTY BOLLARDS	<input type="checkbox"/> MISSING BOLTS
		NUMBER OF BOLTS MISSING: _____

ADDITIONAL NOTES OR COMMENTS ON CONDITION

New lock installed

GENERAL CONDITION (CHECK ONE): ☒ GOOD ☐ MODERATE ☐ POOR



NAS Whidbey Island
Oak Harbor, WA
Naval Facilities Engineering Command Northwest

GROUNDWATER MONITORING WELL VISUAL INSPECTION CHECKLIST

DATE(S) (MM/DD/YY): <u>10/15/2021</u>	TIME (HH:MM): <u>1108</u>	WEATHER/TEMPERATURE: <u>Rain, 54°</u>
INSPECTOR(S): <u>Alex McConthy, Jeff Fetter</u>		COMPANY: <u>Liberty JV.</u>
OU AND SITE: <u>Site 36, FFP1</u>	DESCRIPTION: <u>Industrial</u>	
WELL ID: <u>MW-321</u>	NORTHING: <u>443423.182</u>	EASTING: <u>1204543.417</u>

INSPECTION CHECKLIST

MONITORING WELL LOCATED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
WELL CLEARLY LABELED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
MONUMENT IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF WELL CASING:	<input checked="" type="checkbox"/> STICK-UP	<input type="checkbox"/> FLUSH-MOUNT <input type="checkbox"/> OTHER:
SIZE & NUMBER OF BOLTS ON FLUSH-MOUNT LID:		
SURROUNDING SURFACE MATERIAL:	<input type="checkbox"/> CONCRETE	<input type="checkbox"/> ASPHALT <input checked="" type="checkbox"/> SOIL
	<input type="checkbox"/> OTHER: _____	
CONCRETE APRON:	<input type="checkbox"/> NOT PRESENT	<input checked="" type="checkbox"/> SLOPING AWAY <input type="checkbox"/> SUNKEN
LID CONDITION (STICKUP WELL ONLY):	<input checked="" type="checkbox"/> INTACT AND LOCKABLE	<input type="checkbox"/> DAMAGED
NUMBER OF BOLLARDS:	<u>3</u>	
BOLLARD CONDITION:	<input type="checkbox"/> NOT PRESENT	<input checked="" type="checkbox"/> STILL PLUMB <input type="checkbox"/> DAMAGED: _____
CASING DIAMETER:	<input checked="" type="checkbox"/> 2"	<input type="checkbox"/> 4" <input type="checkbox"/> 6"
	<input type="checkbox"/> 8"	<input type="checkbox"/> OTHER: _____
IS THE CASING IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
IS THERE A CAP ON THE MONITORING WELL?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF CAP:	<input type="checkbox"/> PVC SLIP CAP	<input checked="" type="checkbox"/> J-PLUG <input type="checkbox"/> EXPANSION
	<input type="checkbox"/> PRODUCTION W/TUBING	<input type="checkbox"/> OTHER: _____
LOCK MATERIAL:	<input checked="" type="checkbox"/> BRASS	<input type="checkbox"/> STAINLESS STEEL <input type="checkbox"/> OTHER: _____
LOCK SHANK LENGTH (estimated):	<u>2 7/16</u> INCHES	
LOCK LOCATION:	<input type="checkbox"/> WELL CAP	<input checked="" type="checkbox"/> MONUMENT <input type="checkbox"/> BOTH
ANY EVIDENCE OF TAMPERING WITH THE WELL CASING OR CAP?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
ANY ODORS?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
IF YES, DESCRIBE ODOR:	<input type="checkbox"/> SOLVENT	<input type="checkbox"/> HYDROGEN SULFIDE/ROTTEN EGGS
	<input type="checkbox"/> PETROLEUM	<input type="checkbox"/> OTHER: _____
WERE PICTURES TAKEN?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO

COMMON DEFICIENCIES

COMMON DEFICIENCIES:	<input type="checkbox"/> MISSING LOCK	<input type="checkbox"/> RUSTY STICK-UP
	<input type="checkbox"/> RUSTY BOLLARDS	<input type="checkbox"/> MISSING BOLTS
	NUMBER OF BOLTS MISSING: _____	

ADDITIONAL NOTES OR COMMENTS ON CONDITION

New lock installed

GENERAL CONDITION (CHECK ONE): ☒ GOOD ☐ MODERATE ☐ POOR



NAS Whidbey Island
Oak Harbor, WA
Naval Facilities Engineering Command Northwest

GROUNDWATER MONITORING WELL VISUAL INSPECTION CHECKLIST

DATE(S) (MM/DD/YY): <u>10/15/2021</u>	TIME (HH:MM): <u>0951</u>	WEATHER/TEMPERATURE: <u>Rain 54°</u>
INSPECTOR(S): <u>Alex McElrath, Jeff Fettes</u>		COMPANY: <u>Liberty JV</u>
OU AND SITE: <u>Site 36, FFI</u>	DESCRIPTION: <u>Industrial</u>	
WELL ID: <u>MW-322</u>	NORTHING: <u>473576.967</u>	EASTING: <u>1204278.564</u>

INSPECTION CHECKLIST

MONITORING WELL LOCATED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
WELL CLEARLY LABELED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
MONUMENT IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF WELL CASING:	<input checked="" type="checkbox"/> STICK-UP	<input type="checkbox"/> FLUSH-MOUNT <input type="checkbox"/> OTHER:
SIZE & NUMBER OF BOLTS ON FLUSH-MOUNT LID:		
SURROUNDING SURFACE MATERIAL:	<input type="checkbox"/> CONCRETE <input type="checkbox"/> ASPHALT <input checked="" type="checkbox"/> SOIL	
CONCRETE APRON:	<input type="checkbox"/> OTHER: <input type="checkbox"/> NOT PRESENT	<input checked="" type="checkbox"/> SLOPING AWAY <input type="checkbox"/> SUNKEN
LID CONDITION (STICKUP WELL ONLY):	<input checked="" type="checkbox"/> INTACT AND LOCKABLE	<input type="checkbox"/> DAMAGED
NUMBER OF BOLLARDS:	<u>3</u>	
BOLLARD CONDITION:	<input type="checkbox"/> NOT PRESENT <input checked="" type="checkbox"/> STILL PLUMB	<input type="checkbox"/> DAMAGED: _____
CASING DIAMETER:	<input checked="" type="checkbox"/> 2" <input type="checkbox"/> 4" <input type="checkbox"/> 6" <input type="checkbox"/> 8" <input type="checkbox"/> OTHER: _____	
IS THE CASING IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
IS THERE A CAP ON THE MONITORING WELL?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF CAP:	<input type="checkbox"/> PVC SLIP CAP <input checked="" type="checkbox"/> J-PLUG <input type="checkbox"/> EXPANSION	
	<input type="checkbox"/> PRODUCTION W/TUBING <input type="checkbox"/> OTHER: _____	
LOCK MATERIAL:	<input checked="" type="checkbox"/> BRASS <input type="checkbox"/> STAINLESS STEEL <input type="checkbox"/> OTHER: _____	
LOCK SHANK LENGTH (estimated):	<u>2 7/16</u> INCHES	
LOCK LOCATION:	<input type="checkbox"/> WELL CAP <input checked="" type="checkbox"/> MONUMENT <input type="checkbox"/> BOTH	
ANY EVIDENCE OF TAMPERING WITH THE WELL CASING OR CAP?	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
ANY ODORS?	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
IF YES, DESCRIBE ODOR:	<input type="checkbox"/> SOLVENT <input type="checkbox"/> HYDROGEN SULFIDE/ROTTEN EGGS	
	<input type="checkbox"/> PETROLEUM <input type="checkbox"/> OTHER: _____	
WERE PICTURES TAKEN?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	

COMMON DEFICIENCIES

COMMON DEFICIENCIES:	<input type="checkbox"/> MISSING LOCK <input type="checkbox"/> RUSTY STICK-UP
	<input type="checkbox"/> RUSTY BOLLARDS <input type="checkbox"/> MISSING BOLTS
	NUMBER OF BOLTS MISSING: _____

ADDITIONAL NOTES OR COMMENTS ON CONDITION

New lock installed

GENERAL CONDITION (CHECK ONE): ☒ GOOD ☐ MODERATE ☐ POOR



NAS Whidbey Island
Oak Harbor, WA
Naval Facilities Engineering Command Northwest

GROUNDWATER MONITORING WELL VISUAL INSPECTION CHECKLIST

DATE(S) (MM/DD/YY): <u>10/15/2021</u>	TIME (HH:MM): <u>0947</u>	WEATHER/TEMPERATURE: <u>Rain, 54°</u>
INSPECTOR(S): <u>Alex McLanthy, Jeff Fetters</u>		COMPANY: <u>Liberty JV</u>
OU AND SITE: <u>Pile 36, FFP1</u>	DESCRIPTION: <u>INDUSTRIAL</u>	
WELL ID: <u>MW-323</u>	NORTHING: <u>473561.304</u>	EASTING: <u>1204184.584</u>

INSPECTION CHECKLIST

MONITORING WELL LOCATED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
WELL CLEARLY LABELED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
MONUMENT IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF WELL CASING:	<input checked="" type="checkbox"/> STICK-UP	<input type="checkbox"/> FLUSH-MOUNT <input type="checkbox"/> OTHER:
SIZE & NUMBER OF BOLTS ON FLUSH-MOUNT LID:		
SURROUNDING SURFACE MATERIAL:	<input type="checkbox"/> CONCRETE	<input type="checkbox"/> ASPHALT <input checked="" type="checkbox"/> SOIL
CONCRETE APRON:	<input type="checkbox"/> NOT PRESENT	<input checked="" type="checkbox"/> SLOPING AWAY <input type="checkbox"/> SUNKEN
LID CONDITION (STICKUP WELL ONLY):	<input checked="" type="checkbox"/> INTACT AND LOCKABLE	<input type="checkbox"/> DAMAGED
NUMBER OF BOLLARDS:	<u>3</u>	
BOLLARD CONDITION:	<input type="checkbox"/> NOT PRESENT	<input checked="" type="checkbox"/> STILL PLUMB <input type="checkbox"/> DAMAGED: _____
CASING DIAMETER:	<input checked="" type="checkbox"/> 2"	<input type="checkbox"/> 4" <input type="checkbox"/> 6" <input type="checkbox"/> OTHER: _____
IS THE CASING IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
IS THERE A CAP ON THE MONITORING WELL?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF CAP:	<input type="checkbox"/> PVC SLIP CAP	<input checked="" type="checkbox"/> J-PLUG <input type="checkbox"/> EXPANSION
	<input type="checkbox"/> PRODUCTION W/TUBING	<input type="checkbox"/> OTHER: _____
LOCK MATERIAL:	<input checked="" type="checkbox"/> BRASS	<input type="checkbox"/> STAINLESS STEEL <input type="checkbox"/> OTHER: _____
LOCK SHANK LENGTH (estimated):	<u>2 7/16</u> INCHES	
LOCK LOCATION:	<input type="checkbox"/> WELL CAP	<input checked="" type="checkbox"/> MONUMENT <input type="checkbox"/> BOTH
ANY EVIDENCE OF TAMPERING WITH THE WELL CASING OR CAP?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
ANY ODORS?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
IF YES, DESCRIBE ODOR:	<input type="checkbox"/> SOLVENT	<input type="checkbox"/> HYDROGEN SULFIDE/ROTTEN EGGS
	<input type="checkbox"/> PETROLEUM	<input type="checkbox"/> OTHER: _____
WERE PICTURES TAKEN?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO

COMMON DEFICIENCIES

COMMON DEFICIENCIES:	<input type="checkbox"/> MISSING LOCK	<input type="checkbox"/> RUSTY STICK-UP
	<input type="checkbox"/> RUSTY BOLLARDS	<input type="checkbox"/> MISSING BOLTS
	NUMBER OF BOLTS MISSING: _____	

ADDITIONAL NOTES OR COMMENTS ON CONDITION

*Concrete monument has come up and is no longer entirely secure.
New lock installed*

GENERAL CONDITION (CHECK ONE):	<input type="checkbox"/> GOOD	<input checked="" type="checkbox"/> MODERATE	<input type="checkbox"/> POOR
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NAS Whidbey Island
Oak Harbor, WA
Naval Facilities Engineering Command Northwest

GROUNDWATER MONITORING WELL VISUAL INSPECTION CHECKLIST

DATE(S) (MM/DD/YY): <u>10/15/2021</u>	TIME (HH:MM): <u>0942</u>	WEATHER/TEMPERATURE: <u>RAIN, 54°</u>
INSPECTOR(S): <u>Alex McElanthy, Jeff Fellers</u>		COMPANY: <u>Liberty JV</u>
OU AND SITE: <u>P. 6 36, FFF1</u>	DESCRIPTION: <u>INDUSTRIAL</u>	
WELL ID: <u>MW-324</u>	NORTHING: <u>443411.790</u>	EASTING: <u>1204254.357</u>

INSPECTION CHECKLIST

MONITORING WELL LOCATED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
WELL CLEARLY LABELED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
MONUMENT IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF WELL CASING:	<input checked="" type="checkbox"/> STICK-UP	<input type="checkbox"/> FLUSH-MOUNT <input type="checkbox"/> OTHER:
SIZE & NUMBER OF BOLTS ON FLUSH-MOUNT LID:		
SURROUNDING SURFACE MATERIAL:	<input type="checkbox"/> CONCRETE <input type="checkbox"/> ASPHALT <input checked="" type="checkbox"/> SOIL	
CONCRETE APRON:	<input type="checkbox"/> OTHER: <u> </u>	
LID CONDITION (STICKUP WELL ONLY):	<input checked="" type="checkbox"/> NOT PRESENT <input checked="" type="checkbox"/> SLOPING AWAY <input type="checkbox"/> SUNKEN	
	<input checked="" type="checkbox"/> INTACT AND LOCKABLE <input type="checkbox"/> DAMAGED	
NUMBER OF BOLLARDS:	<u>3</u>	
BOLLARD CONDITION:	<input type="checkbox"/> NOT PRESENT <input checked="" type="checkbox"/> STILL PLUMB <input type="checkbox"/> DAMAGED: <u> </u>	
CASING DIAMETER:	<input type="checkbox"/> 2" <input checked="" type="checkbox"/> 4" <input type="checkbox"/> 6"	
	<input type="checkbox"/> 8" <input type="checkbox"/> OTHER: <u> </u>	
IS THE CASING IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	
IS THERE A CAP ON THE MONITORING WELL?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	
TYPE OF CAP:	<input type="checkbox"/> PVC SLIP CAP <input checked="" type="checkbox"/> J-PLUG <input type="checkbox"/> EXPANSION	
	<input type="checkbox"/> PRODUCTION W/TUBING <input type="checkbox"/> OTHER: <u> </u>	
LOCK MATERIAL:	<input checked="" type="checkbox"/> BRASS <input type="checkbox"/> STAINLESS STEEL <input type="checkbox"/> OTHER: <u> </u>	
LOCK SHANK LENGTH (estimated):	<u>2 7/16</u> INCHES	
LOCK LOCATION:	<input type="checkbox"/> WELL CAP <input checked="" type="checkbox"/> MONUMENT <input type="checkbox"/> BOTH	
ANY EVIDENCE OF TAMPERING WITH THE WELL CASING OR CAP?	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
ANY ODORS?	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
IF YES, DESCRIBE ODOR:	<input type="checkbox"/> SOLVENT <input type="checkbox"/> HYDROGEN SULFIDE/ROTTEN EGGS	
	<input type="checkbox"/> PETROLEUM <input type="checkbox"/> OTHER: <u> </u>	
WERE PICTURES TAKEN?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	

COMMON DEFICIENCIES

COMMON DEFICIENCIES:	<input type="checkbox"/> MISSING LOCK <input type="checkbox"/> RUSTY STICK-UP
	<input type="checkbox"/> RUSTY BOLLARDS <input type="checkbox"/> MISSING BOLTS
	NUMBER OF BOLTS MISSING: <u> </u>

ADDITIONAL NOTES OR COMMENTS ON CONDITION

New lock installed

GENERAL CONDITION (CHECK ONE):

☒ GOOD

☐ MODERATE

☐ POOR



NAS Whidbey Island
Oak Harbor, WA
Naval Facilities Engineering Command Northwest

GROUNDWATER MONITORING WELL VISUAL INSPECTION CHECKLIST

DATE(S) (MM/DD/YY): <u>10/15/2021</u>	TIME (HH:MM): <u>1010</u>	WEATHER/TEMPERATURE: <u>Rain 54°</u>
INSPECTOR(S): <u>Alex McCarthy, Jess Fettes</u>		COMPANY: <u>Liberty JV</u>
OU AND SITE: <u>Pipe 36, FFF1</u>	DESCRIPTION: <u>INDUSTRIAL</u>	
WELL ID: <u>MW-325</u>	NORTHING: <u>473484.411</u>	EASTING: <u>1203886</u>

INSPECTION CHECKLIST

MONITORING WELL LOCATED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
WELL CLEARLY LABELED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
MONUMENT IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF WELL CASING:	<input checked="" type="checkbox"/> STICK-UP	<input type="checkbox"/> FLUSH-MOUNT <input type="checkbox"/> OTHER:
SIZE & NUMBER OF BOLTS ON FLUSH-MOUNT LID:		
SURROUNDING SURFACE MATERIAL:	<input type="checkbox"/> CONCRETE	<input type="checkbox"/> ASPHALT <input checked="" type="checkbox"/> SOIL
	<input type="checkbox"/> OTHER: _____	
CONCRETE APRON:	<input type="checkbox"/> NOT PRESENT	<input checked="" type="checkbox"/> SLOPING AWAY <input type="checkbox"/> SUNKEN
LID CONDITION (STICKUP WELL ONLY):	<input checked="" type="checkbox"/> INTACT AND LOCKABLE	<input type="checkbox"/> DAMAGED
NUMBER OF BOLLARDS:	<u>3</u>	
BOLLARD CONDITION:	<input type="checkbox"/> NOT PRESENT	<input checked="" type="checkbox"/> STILL PLUMB <input type="checkbox"/> DAMAGED: _____
CASING DIAMETER:	<input checked="" type="checkbox"/> 2" <input type="checkbox"/> 8"	<input type="checkbox"/> 4" <input type="checkbox"/> 6" <input type="checkbox"/> OTHER: _____
IS THE CASING IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
IS THERE A CAP ON THE MONITORING WELL?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF CAP:	<input type="checkbox"/> PVC SLIP CAP <input type="checkbox"/> PRODUCTION W/TUBING	<input checked="" type="checkbox"/> J-PLUG <input type="checkbox"/> EXPANSION <input type="checkbox"/> OTHER: _____
LOCK MATERIAL:	<input checked="" type="checkbox"/> BRASS	<input type="checkbox"/> STAINLESS STEEL <input type="checkbox"/> OTHER: _____
LOCK SHANK LENGTH (estimated):	<u>2 3/16</u> INCHES	
LOCK LOCATION:	<input type="checkbox"/> WELL CAP	<input checked="" type="checkbox"/> MONUMENT <input type="checkbox"/> BOTH
ANY EVIDENCE OF TAMPERING WITH THE WELL CASING OR CAP?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
ANY ODORS?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
IF YES, DESCRIBE ODOR:	<input type="checkbox"/> SOLVENT <input type="checkbox"/> PETROLEUM	<input type="checkbox"/> HYDROGEN SULFIDE/ROTTEN EGGS <input type="checkbox"/> OTHER: _____
WERE PICTURES TAKEN?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO

COMMON DEFICIENCIES

COMMON DEFICIENCIES:	<input type="checkbox"/> MISSING LOCK	<input type="checkbox"/> RUSTY STICK-UP
	<input type="checkbox"/> RUSTY BOLLARDS	<input type="checkbox"/> MISSING BOLTS
	NUMBER OF BOLTS MISSING: _____	

ADDITIONAL NOTES OR COMMENTS ON CONDITION

New lock installed.

GENERAL CONDITION (CHECK ONE): ☒ GOOD ☐ MODERATE ☐ POOR



**NAS Whidbey Island
Oak Harbor, WA
Naval Facilities Engineering Command Northwest**

GROUNDWATER MONITORING WELL VISUAL INSPECTION CHECKLIST

DATE(S) (MM/DD/YY): <u>10/15/2021</u>	TIME (HH:MM): <u>1035</u>	WEATHER/TEMPERATURE: <u>Rain 54°</u>
INSPECTOR(S): <u>Alex McConthy, Jeff Fetters</u>	COMPANY: <u>Liberty JV.</u>	
OU AND SITE: <u>Pile 36, FFP1</u>	DESCRIPTION: <u>INMONTREAL</u>	
WELL ID: <u>MW-326</u>	NORTHING: <u>473219.234</u>	EASTING: <u>1203946.780</u>

INSPECTION CHECKLIST

MONITORING WELL LOCATED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
WELL CLEARLY LABELED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
MONUMENT IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF WELL CASING:	<input checked="" type="checkbox"/> STICK-UP	<input type="checkbox"/> FLUSH-MOUNT <input type="checkbox"/> OTHER:
SIZE & NUMBER OF BOLTS ON FLUSH-MOUNT LID:		
SURROUNDING SURFACE MATERIAL:	<input type="checkbox"/> CONCRETE <input type="checkbox"/> ASPHALT <input checked="" type="checkbox"/> SOIL	
CONCRETE APRON:	<input type="checkbox"/> OTHER: <u> </u>	
LID CONDITION (STICKUP WELL ONLY):	<input checked="" type="checkbox"/> NOT PRESENT <input checked="" type="checkbox"/> SLOPING AWAY <input type="checkbox"/> SUNKEN	
NUMBER OF BOLLARDS:	<input checked="" type="checkbox"/> INTACT AND LOCKABLE <input type="checkbox"/> DAMAGED	
BOLLARD CONDITION:	<u>3</u>	
CASING DIAMETER:	<input type="checkbox"/> NOT PRESENT <input checked="" type="checkbox"/> STILL PLUMB <input type="checkbox"/> DAMAGED: <u> </u>	
	<input checked="" type="checkbox"/> 2" <input type="checkbox"/> 4" <input type="checkbox"/> 6"	
	<input type="checkbox"/> 8" <input type="checkbox"/> OTHER: <u> </u>	
IS THE CASING IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	
IS THERE A CAP ON THE MONITORING WELL?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	
TYPE OF CAP:	<input type="checkbox"/> PVC SLIP CAP <input checked="" type="checkbox"/> J-PLUG <input type="checkbox"/> EXPANSION	
	<input type="checkbox"/> PRODUCTION W/TUBING <input type="checkbox"/> OTHER: <u> </u>	
LOCK MATERIAL:	<input checked="" type="checkbox"/> BRASS <input type="checkbox"/> STAINLESS STEEL <input type="checkbox"/> OTHER: <u> </u>	
LOCK SHANK LENGTH (estimated):	<u>2 7/16</u> INCHES	
LOCK LOCATION:	<input type="checkbox"/> WELL CAP <input checked="" type="checkbox"/> MONUMENT <input type="checkbox"/> BOTH	
ANY EVIDENCE OF TAMPERING WITH THE WELL CASING OR CAP?	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
ANY ODORS?	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
IF YES, DESCRIBE ODOR:	<input type="checkbox"/> SOLVENT <input type="checkbox"/> HYDROGEN SULFIDE/ROTTEN EGGS	
	<input type="checkbox"/> PETROLEUM <input type="checkbox"/> OTHER: <u> </u>	
WERE PICTURES TAKEN?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	

COMMON DEFICIENCIES

COMMON DEFICIENCIES:	<input type="checkbox"/> MISSING LOCK <input type="checkbox"/> RUSTY STICK-UP
	<input type="checkbox"/> RUSTY BOLLARDS <input type="checkbox"/> MISSING BOLTS
	NUMBER OF BOLTS MISSING: <u> </u>

ADDITIONAL NOTES OR COMMENTS ON CONDITION

New lock installed

GENERAL CONDITION (CHECK ONE): ☒ GOOD ☐ MODERATE ☐ POOR



NAS Whidbey Island
Oak Harbor, WA
Naval Facilities Engineering Command Northwest

GROUNDWATER MONITORING WELL VISUAL INSPECTION CHECKLIST

DATE(S) (MM/DD/YY): <u>10/15/2021</u>	TIME (HH:MM): <u>1038</u>	WEATHER/TEMPERATURE: <u>Brn 54°</u>
INSPECTOR(S): <u>Alex McElrath, Jere Fetter</u>		COMPANY: <u>Liberty JV</u>
OU AND SITE: <u>Pipe 36, PFF1</u>	DESCRIPTION: <u>Industrial</u>	
WELL ID: <u>MW-327</u>	NORTHING: <u>4173386.159</u>	EASTING: <u>1203704.716</u>

INSPECTION CHECKLIST

MONITORING WELL LOCATED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
WELL CLEARLY LABELED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
MONUMENT IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF WELL CASING:	<input checked="" type="checkbox"/> STICK-UP	<input type="checkbox"/> FLUSH-MOUNT <input type="checkbox"/> OTHER:
SIZE & NUMBER OF BOLTS ON FLUSH-MOUNT LID:		
SURROUNDING SURFACE MATERIAL:	<input type="checkbox"/> CONCRETE	<input type="checkbox"/> ASPHALT <input checked="" type="checkbox"/> SOIL
	<input type="checkbox"/> OTHER: _____	
CONCRETE APRON:	<input type="checkbox"/> NOT PRESENT	<input checked="" type="checkbox"/> SLOPING AWAY <input type="checkbox"/> SUNKEN
LID CONDITION (STICKUP WELL ONLY):	<input checked="" type="checkbox"/> INTACT AND LOCKABLE	<input type="checkbox"/> DAMAGED
NUMBER OF BOLLARDS:	<u>3</u>	
BOLLARD CONDITION:	<input type="checkbox"/> NOT PRESENT	<input checked="" type="checkbox"/> STILL PLUMB <input type="checkbox"/> DAMAGED: _____
CASING DIAMETER:	<input checked="" type="checkbox"/> 2" <input type="checkbox"/> 4" <input type="checkbox"/> 8"	<input type="checkbox"/> 6" <input type="checkbox"/> OTHER: _____
IS THE CASING IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
IS THERE A CAP ON THE MONITORING WELL?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF CAP:	<input type="checkbox"/> PVC SLIP CAP <input checked="" type="checkbox"/> J-PLUG	<input type="checkbox"/> EXPANSION
	<input type="checkbox"/> PRODUCTION W/TUBING <input type="checkbox"/> OTHER: _____	
LOCK MATERIAL:	<input checked="" type="checkbox"/> BRASS	<input type="checkbox"/> STAINLESS STEEL <input type="checkbox"/> OTHER: _____
LOCK SHANK LENGTH (estimated):	<u>2 7/16</u> INCHES	
LOCK LOCATION:	<input type="checkbox"/> WELL CAP <input checked="" type="checkbox"/> MONUMENT	<input type="checkbox"/> BOTH
ANY EVIDENCE OF TAMPERING WITH THE WELL CASING OR CAP?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
ANY ODORS?	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
IF YES, DESCRIBE ODOR:	<input type="checkbox"/> SOLVENT <input type="checkbox"/> HYDROGEN SULFIDE/ROTTEN EGGS	
	<input type="checkbox"/> PETROLEUM <input type="checkbox"/> OTHER: _____	
WERE PICTURES TAKEN?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO

COMMON DEFICIENCIES

COMMON DEFICIENCIES:	<input type="checkbox"/> MISSING LOCK	<input type="checkbox"/> RUSTY STICK-UP
	<input type="checkbox"/> RUSTY BOLLARDS	<input type="checkbox"/> MISSING BOLTS
	NUMBER OF BOLTS MISSING: _____	

ADDITIONAL NOTES OR COMMENTS ON CONDITION

New lock installed

GENERAL CONDITION (CHECK ONE):

☒ GOOD

☐ MODERATE

☐ POOR



**NAS Whidbey Island
Oak Harbor, WA
Naval Facilities Engineering Command Northwest**

GROUNDWATER MONITORING WELL VISUAL INSPECTION CHECKLIST

DATE(S) (MM/DD/YY): <u>10/15/2021</u>	TIME (HH:MM): <u>10:47</u>	WEATHER/TEMPERATURE: <u>Rain, 54°</u>
INSPECTOR(S): <u>Alex McConkey, Jeff Fetters</u>		COMPANY: <u>Liberty JV.</u>
OU AND SITE: <u>Pike 36, FFF1</u>	DESCRIPTION: <u>INDUSTRIAL</u>	
WELL ID: <u>MW-328</u>	NORTHING: <u>473127.002</u>	EASTING: <u>1203932.546</u>

INSPECTION CHECKLIST

MONITORING WELL LOCATED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
WELL CLEARLY LABELED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
MONUMENT IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF WELL CASING:	<input checked="" type="checkbox"/> STICK-UP	<input type="checkbox"/> FLUSH-MOUNT <input type="checkbox"/> OTHER:
SIZE & NUMBER OF BOLTS ON FLUSH-MOUNT LID:		
SURROUNDING SURFACE MATERIAL:	<input type="checkbox"/> CONCRETE <input type="checkbox"/> ASPHALT <input checked="" type="checkbox"/> SOIL	
CONCRETE APRON:	<input type="checkbox"/> OTHER: <input type="checkbox"/> NOT PRESENT	<input checked="" type="checkbox"/> SLOPING AWAY <input type="checkbox"/> SUNKEN
LID CONDITION (STICKUP WELL ONLY):	<input checked="" type="checkbox"/> INTACT AND <u>LOCKABLE</u>	<input checked="" type="checkbox"/> DAMAGED <u>large broken</u>
NUMBER OF BOLLARDS:	<u>3</u>	
BOLLARD CONDITION:	<input type="checkbox"/> NOT PRESENT <input checked="" type="checkbox"/> STILL PLUMB	<input type="checkbox"/> DAMAGED: _____
CASING DIAMETER:	<input checked="" type="checkbox"/> 2" <input type="checkbox"/> 4" <input type="checkbox"/> 6" <input type="checkbox"/> 8" <input type="checkbox"/> OTHER: _____	
IS THE CASING IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
IS THERE A CAP ON THE MONITORING WELL?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF CAP:	<input type="checkbox"/> PVC SLIP CAP <input type="checkbox"/> PRODUCTION W/TUBING <input checked="" type="checkbox"/> J-PLUG <input type="checkbox"/> OTHER: _____	<input type="checkbox"/> EXPANSION
LOCK MATERIAL:	<input checked="" type="checkbox"/> BRASS <input type="checkbox"/> STAINLESS STEEL <input type="checkbox"/> OTHER: _____	
LOCK SHANK LENGTH (estimated):	<u>2 7/16</u> INCHES	
LOCK LOCATION:	<input type="checkbox"/> WELL CAP <input checked="" type="checkbox"/> MONUMENT <input type="checkbox"/> BOTH	
ANY EVIDENCE OF TAMPERING WITH THE WELL CASING OR CAP?	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
ANY ODORS?	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
IF YES, DESCRIBE ODOR:	<input type="checkbox"/> SOLVENT <input type="checkbox"/> HYDROGEN SULFIDE/ROTTEN EGGS <input type="checkbox"/> PETROLEUM <input type="checkbox"/> OTHER: _____	
WERE PICTURES TAKEN?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	

COMMON DEFICIENCIES

COMMON DEFICIENCIES:	<input type="checkbox"/> MISSING LOCK <input type="checkbox"/> RUSTY STICK-UP
	<input type="checkbox"/> RUSTY BOLLARDS <input type="checkbox"/> MISSING BOLTS
	NUMBER OF BOLTS MISSING: _____

ADDITIONAL NOTES OR COMMENTS ON CONDITION

*New lock installed.
Well cap hinge now broken, still lockable but can access well*

GENERAL CONDITION (CHECK ONE): ☐ GOOD ☒ MODERATE ☐ POOR



NAS Whidbey Island
Oak Harbor, WA
Naval Facilities Engineering Command Northwest

GROUNDWATER MONITORING WELL VISUAL INSPECTION CHECKLIST

DATE(S) (MM/DD/YY): <u>10/15/2021</u>	TIME (HH:MM): <u>10:12</u>	WEATHER/TEMPERATURE: <u>Rain 54°</u>
INSPECTOR(S): <u>Alex McElrath, Jeff Fetters</u>		COMPANY: <u>Liberty JV.</u>
OU AND SITE: <u>Site 36, FFF-1</u>	DESCRIPTION: <u>INDUSTRIAL</u>	
WELL ID: <u>MW-329</u>	NORTHING: <u>473248.037</u>	EASTING: <u>1203882.708</u>

INSPECTION CHECKLIST

MONITORING WELL LOCATED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
WELL CLEARLY LABELED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
MONUMENT IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF WELL CASING:	<input checked="" type="checkbox"/> STICK-UP	<input type="checkbox"/> FLUSH-MOUNT <input type="checkbox"/> OTHER:
SIZE & NUMBER OF BOLTS ON FLUSH-MOUNT LID:		
SURROUNDING SURFACE MATERIAL:	<input type="checkbox"/> CONCRETE	<input type="checkbox"/> ASPHALT <input checked="" type="checkbox"/> SOIL
	<input type="checkbox"/> OTHER:	
CONCRETE APRON:	<input type="checkbox"/> NOT PRESENT	<input checked="" type="checkbox"/> SLOPING AWAY <input type="checkbox"/> SUNKEN
LID CONDITION (STICKUP WELL ONLY):	<input type="checkbox"/> INTACT AND <u>LOCKABLE</u>	<input checked="" type="checkbox"/> DAMAGED <u>hinge broken</u>
NUMBER OF BOLLARDS:	<u>3</u>	
BOLLARD CONDITION:	<input type="checkbox"/> NOT PRESENT	<input checked="" type="checkbox"/> STILL PLUMB <input type="checkbox"/> DAMAGED: _____
CASING DIAMETER:	<input checked="" type="checkbox"/> 2" <input type="checkbox"/> 8"	<input type="checkbox"/> 4" <input type="checkbox"/> 6" <input type="checkbox"/> OTHER: _____
IS THE CASING IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
IS THERE A CAP ON THE MONITORING WELL?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF CAP:	<input type="checkbox"/> PVC SLIP CAP	<input checked="" type="checkbox"/> J-PLUG <input type="checkbox"/> EXPANSION
	<input type="checkbox"/> PRODUCTION W/TUBING	<input type="checkbox"/> OTHER: _____
LOCK MATERIAL:	<input checked="" type="checkbox"/> BRASS	<input type="checkbox"/> STAINLESS STEEL <input type="checkbox"/> OTHER: _____
LOCK SHANK LENGTH (estimated):	<u>2 3/16</u> INCHES	
LOCK LOCATION:	<input type="checkbox"/> WELL CAP	<input checked="" type="checkbox"/> MONUMENT <input type="checkbox"/> BOTH
ANY EVIDENCE OF TAMPERING WITH THE WELL CASING OR CAP?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
ANY ODORS?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
IF YES, DESCRIBE ODOR:	<input type="checkbox"/> SOLVENT	<input type="checkbox"/> HYDROGEN SULFIDE/ROTTEN EGGS
	<input type="checkbox"/> PETROLEUM	<input type="checkbox"/> OTHER: _____
WERE PICTURES TAKEN?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO

COMMON DEFICIENCIES

COMMON DEFICIENCIES:	<input type="checkbox"/> MISSING LOCK	<input type="checkbox"/> RUSTY STICK-UP
	<input type="checkbox"/> RUSTY BOLLARDS	<input type="checkbox"/> MISSING BOLTS
	NUMBER OF BOLTS MISSING: _____	

ADDITIONAL NOTES OR COMMENTS ON CONDITION

*New lock installed
Monument Cap hinge is broken, lockable but can access well.*

GENERAL CONDITION (CHECK ONE): ☐ GOOD ☒ MODERATE ☐ POOR



NAS Whidbey Island
Oak Harbor, WA
Naval Facilities Engineering Command Northwest

GROUNDWATER MONITORING WELL VISUAL INSPECTION CHECKLIST

DATE(S) (MM/DD/YY): <u>10/15/2021</u>	TIME (HH:MM): <u>0848</u>	WEATHER/TEMPERATURE: <u>Rain, 54°</u>
INSPECTOR(S): <u>Alex McCarthy, Jeff Fetters</u>		COMPANY: <u>Liberty JV</u>
OU AND SITE: <u>Site 36, 8881</u>	DESCRIPTION: <u>INDUSTRIAL</u>	
WELL ID: <u>MW-360</u>	NORTHING: <u>473623.958</u>	EASTING: <u>1204527.754</u>

INSPECTION CHECKLIST

MONITORING WELL LOCATED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
WELL CLEARLY LABELED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
MONUMENT IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF WELL CASING:	<input type="checkbox"/> STICK-UP	<input checked="" type="checkbox"/> FLUSH-MOUNT <input type="checkbox"/> OTHER:
SIZE & NUMBER OF BOLTS ON FLUSH-MOUNT LID: <u>0 x 9/16</u>		
SURROUNDING SURFACE MATERIAL:	<input type="checkbox"/> CONCRETE	<input type="checkbox"/> ASPHALT <input checked="" type="checkbox"/> SOIL
	<input type="checkbox"/> OTHER: _____	
CONCRETE APRON:	<input checked="" type="checkbox"/> NOT PRESENT	<input type="checkbox"/> SLOPING AWAY <input type="checkbox"/> SUNKEN
LID CONDITION (STICKUP WELL ONLY):	<input type="checkbox"/> INTACT AND LOCKABLE	<input type="checkbox"/> DAMAGED
NUMBER OF BOLLARDS:	_____	
BOLLARD CONDITION:	<input type="checkbox"/> NOT PRESENT	<input type="checkbox"/> STILL PLUMB <input type="checkbox"/> DAMAGED: _____
CASING DIAMETER:	<input type="checkbox"/> 2" <input type="checkbox"/> 8"	<input checked="" type="checkbox"/> 4" <input type="checkbox"/> 6" <input type="checkbox"/> OTHER: _____
IS THE CASING IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
IS THERE A CAP ON THE MONITORING WELL?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF CAP:	<input type="checkbox"/> PVC SLIP CAP <input type="checkbox"/> PRODUCTION W/TUBING	<input checked="" type="checkbox"/> J-PLUG <input type="checkbox"/> EXPANSION <input type="checkbox"/> OTHER: _____
LOCK MATERIAL:	<input checked="" type="checkbox"/> BRASS	<input type="checkbox"/> STAINLESS STEEL <input type="checkbox"/> OTHER: _____
LOCK SHANK LENGTH (estimated): <u>2 7/16</u> INCHES		
LOCK LOCATION:	<input type="checkbox"/> WELL CAP	<input type="checkbox"/> MONUMENT <input type="checkbox"/> BOTH
ANY EVIDENCE OF TAMPERING WITH THE WELL CASING OR CAP?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
ANY ODORS?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
IF YES, DESCRIBE ODOR:	<input type="checkbox"/> SOLVENT <input type="checkbox"/> PETROLEUM	<input type="checkbox"/> HYDROGEN SULFIDE/ROTTEN EGGS <input type="checkbox"/> OTHER: _____
WERE PICTURES TAKEN?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO

COMMON DEFICIENCIES

COMMON DEFICIENCIES:	<input type="checkbox"/> MISSING LOCK <input type="checkbox"/> RUSTY BOLLARDS	<input type="checkbox"/> RUSTY STICK-UP <input checked="" type="checkbox"/> MISSING BOLTS
		NUMBER OF BOLTS MISSING: <u>3</u>

ADDITIONAL NOTES OR COMMENTS ON CONDITION

New lock installed

GENERAL CONDITION (CHECK ONE): ☒ GOOD ☐ MODERATE ☐ POOR



NAS Whidbey Island
Oak Harbor, WA
Naval Facilities Engineering Command Northwest

GROUNDWATER MONITORING WELL VISUAL INSPECTION CHECKLIST

DATE(S) (MM/DD/YY): <u>10/15/2021</u>	TIME (HH:MM): <u>0825</u>	WEATHER/TEMPERATURE: <u>Rain, 54°</u>
INSPECTOR(S): <u>Alex McLaughlin, Jess Fellers</u>		COMPANY: <u>Liberty JV</u>
LOCATION AND SITE: <u>Site 36, FFP</u>	DESCRIPTION: <u>INDUSTRIAL</u>	
WELL ID: <u>MW-331</u>	NORTHING: <u>4786659.556</u>	EASTING: <u>1204608.918</u>

INSPECTION CHECKLIST

MONITORING WELL LOCATED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
WELL CLEARLY LABELED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
MONUMENT IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF WELL CASING:	<input type="checkbox"/> STICK-UP	<input checked="" type="checkbox"/> FLUSH-MOUNT <input type="checkbox"/> OTHER:
SIZE & NUMBER OF BOLTS ON FLUSH-MOUNT LID: <u>Ø x 9/16</u>		
SURROUNDING SURFACE MATERIAL:	<input checked="" type="checkbox"/> CONCRETE	<input type="checkbox"/> ASPHALT <input type="checkbox"/> SOIL
	<input type="checkbox"/> OTHER: _____	
CONCRETE APRON:	<input checked="" type="checkbox"/> NOT PRESENT	<input type="checkbox"/> SLOPING AWAY <input type="checkbox"/> SUNKEN
LID CONDITION (STICKUP WELL ONLY):	<input type="checkbox"/> INTACT AND LOCKABLE	<input type="checkbox"/> DAMAGED
NUMBER OF BOLLARDS:	_____	
BOLLARD CONDITION:	<input type="checkbox"/> NOT PRESENT	<input type="checkbox"/> STILL PLUMB <input type="checkbox"/> DAMAGED: _____
CASING DIAMETER:	<input type="checkbox"/> 2" <input type="checkbox"/> 4" <input type="checkbox"/> 6" <input type="checkbox"/> 8"	<input checked="" type="checkbox"/> 4" <input type="checkbox"/> OTHER: _____
IS THE CASING IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
IS THERE A CAP ON THE MONITORING WELL?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF CAP:	<input type="checkbox"/> PVC SLIP CAP <input type="checkbox"/> PRODUCTION W/TUBING	<input checked="" type="checkbox"/> J-PLUG <input type="checkbox"/> EXPANSION
	<input checked="" type="checkbox"/> BRASS	<input type="checkbox"/> STAINLESS STEEL <input type="checkbox"/> OTHER: _____
LOCK SHANK LENGTH (estimated):	<u>2 7/16</u> INCHES	
LOCK LOCATION:	<input checked="" type="checkbox"/> WELL CAP	<input type="checkbox"/> MONUMENT <input type="checkbox"/> BOTH
ANY EVIDENCE OF TAMPERING WITH THE WELL CASING OR CAP?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
ANY ODORS?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
IF YES, DESCRIBE ODOR:	<input type="checkbox"/> SOLVENT <input type="checkbox"/> PETROLEUM	<input type="checkbox"/> HYDROGEN SULFIDE/ROTTEN EGGS <input type="checkbox"/> OTHER: _____
WERE PICTURES TAKEN?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO

COMMON DEFICIENCIES

COMMON DEFICIENCIES:	<input type="checkbox"/> MISSING LOCK <input type="checkbox"/> RUSTY BOLLARDS	<input type="checkbox"/> RUSTY STICK-UP <input checked="" type="checkbox"/> MISSING BOLTS
		NUMBER OF BOLTS MISSING: <u>3</u>

ADDITIONAL NOTES OR COMMENTS ON CONDITION

New lock installed

GENERAL CONDITION (CHECK ONE):	<input checked="" type="checkbox"/> GOOD	<input type="checkbox"/> MODERATE	<input type="checkbox"/> POOR
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NAS Whidbey Island
Oak Harbor, WA
Naval Facilities Engineering Command Northwest

GROUNDWATER MONITORING WELL VISUAL INSPECTION CHECKLIST

DATE(S) (MM/DD/YY): <u>10/15/2021</u>	TIME (HH:MM): <u>0842</u>	WEATHER/TEMPERATURE: <u>Rain, 54°</u>
INSPECTOR(S): <u>Alex McLaughlin, Jeff Fetter</u>		COMPANY: <u>Liberty JV.</u>
OU AND SITE: <u>Site 36, FFF1</u>	DESCRIPTION: <u>INDUSTRIAL</u>	
WELL ID: <u>MW-332</u>	NORTHING: <u>473577.815</u>	EASTING: <u>1264628.854</u>

INSPECTION CHECKLIST

MONITORING WELL LOCATED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
WELL CLEARLY LABELED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
MONUMENT IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF WELL CASING:	<input type="checkbox"/> STICK-UP	<input checked="" type="checkbox"/> FLUSH-MOUNT <input type="checkbox"/> OTHER:
SIZE & NUMBER OF BOLTS ON FLUSH-MOUNT LID: <u>0 x 9/16</u>		
SURROUNDING SURFACE MATERIAL:	<input type="checkbox"/> CONCRETE	<input checked="" type="checkbox"/> ASPHALT <input type="checkbox"/> SOIL
	<input type="checkbox"/> OTHER: _____	
CONCRETE APRON:	<input type="checkbox"/> NOT PRESENT	<input checked="" type="checkbox"/> SLOPING AWAY <input type="checkbox"/> SUNKEN
LID CONDITION (STICKUP WELL ONLY):	<input type="checkbox"/> INTACT AND LOCKABLE	<input type="checkbox"/> DAMAGED
NUMBER OF BOLLARDS:	_____	
BOLLARD CONDITION:	<input type="checkbox"/> NOT PRESENT	<input type="checkbox"/> STILL PLUMB <input type="checkbox"/> DAMAGED: _____
CASING DIAMETER:	<input type="checkbox"/> 2"	<input checked="" type="checkbox"/> 4" <input type="checkbox"/> 6"
	<input type="checkbox"/> 8"	<input type="checkbox"/> OTHER: _____
IS THE CASING IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
IS THERE A CAP ON THE MONITORING WELL?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF CAP:	<input type="checkbox"/> PVC SLIP CAP	<input checked="" type="checkbox"/> J-PLUG <input type="checkbox"/> EXPANSION
	<input type="checkbox"/> PRODUCTION W/TUBING	<input type="checkbox"/> OTHER: _____
LOCK MATERIAL:	<input checked="" type="checkbox"/> BRASS	<input type="checkbox"/> STAINLESS STEEL <input type="checkbox"/> OTHER: _____
LOCK SHANK LENGTH (estimated):	<u>2 7/16</u> INCHES	
LOCK LOCATION:	<input checked="" type="checkbox"/> WELL CAP	<input type="checkbox"/> MONUMENT <input type="checkbox"/> BOTH
ANY EVIDENCE OF TAMPERING WITH THE WELL CASING OR CAP?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
ANY ODORS?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
IF YES, DESCRIBE ODOR:	<input type="checkbox"/> SOLVENT	<input type="checkbox"/> HYDROGEN SULFIDE/ROTTEN EGGS
	<input type="checkbox"/> PETROLEUM	<input type="checkbox"/> OTHER: _____
WERE PICTURES TAKEN?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO

COMMON DEFICIENCIES

COMMON DEFICIENCIES:	<input type="checkbox"/> MISSING LOCK	<input type="checkbox"/> RUSTY STICK-UP
	<input type="checkbox"/> RUSTY BOLLARDS	<input checked="" type="checkbox"/> MISSING BOLTS
	NUMBER OF BOLTS MISSING: <u>3</u>	

ADDITIONAL NOTES OR COMMENTS ON CONDITION

New hole installed

GENERAL CONDITION (CHECK ONE):

☒ GOOD

☐ MODERATE

☐ POOR



NAS Whidbey Island
Oak Harbor, WA
Naval Facilities Engineering Command Northwest

GROUNDWATER MONITORING WELL VISUAL INSPECTION CHECKLIST

DATE(S) (MM/DD/YY): <u>10/15/2021</u>	TIME (HH:MM): <u>0840</u>	WEATHER/TEMPERATURE: <u>Rain, 54°</u>
INSPECTOR(S): <u>Alex McElanthy, Jeff Feltner</u>		COMPANY: <u>Liberty JV.</u>
OU AND SITE: <u>Site 36, FFF1</u>	DESCRIPTION: <u>INDUSTRIAL</u>	
WELL ID: <u>MW-333</u>	NORTHING: <u>473578.391</u>	EASTING: <u>1204691.507</u>

INSPECTION CHECKLIST

MONITORING WELL LOCATED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
WELL CLEARLY LABELED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
MONUMENT IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF WELL CASING:	<input type="checkbox"/> STICK-UP	<input checked="" type="checkbox"/> FLUSH-MOUNT <input type="checkbox"/> OTHER:
SIZE & NUMBER OF BOLTS ON FLUSH-MOUNT LID:	<u>0 x 9/16</u>	
SURROUNDING SURFACE MATERIAL:	<input type="checkbox"/> CONCRETE	<input checked="" type="checkbox"/> ASPHALT <input type="checkbox"/> SOIL
CONCRETE APRON:	<input type="checkbox"/> OTHER: _____	<input checked="" type="checkbox"/> SLOPING AWAY <input type="checkbox"/> SUNKEN
LID CONDITION (STICKUP WELL ONLY):	<input type="checkbox"/> NOT PRESENT	<input checked="" type="checkbox"/> DAMAGED
NUMBER OF BOLLARDS:	_____	
BOLLARD CONDITION:	<input type="checkbox"/> NOT PRESENT	<input type="checkbox"/> STILL PLUMB <input type="checkbox"/> DAMAGED: _____
CASING DIAMETER:	<input checked="" type="checkbox"/> 2" <input type="checkbox"/> 8"	<input type="checkbox"/> 4" <input type="checkbox"/> 6" <input type="checkbox"/> OTHER: _____
IS THE CASING IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
IS THERE A CAP ON THE MONITORING WELL?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF CAP:	<input type="checkbox"/> PVC SLIP CAP	<input checked="" type="checkbox"/> J-PLUG <input type="checkbox"/> EXPANSION
	<input type="checkbox"/> PRODUCTION W/TUBING	<input type="checkbox"/> OTHER: _____
LOCK MATERIAL:	<input checked="" type="checkbox"/> BRASS	<input type="checkbox"/> STAINLESS STEEL <input type="checkbox"/> OTHER: _____
LOCK SHANK LENGTH (estimated):	<u>2 7/16</u> INCHES	
LOCK LOCATION:	<input checked="" type="checkbox"/> WELL CAP	<input type="checkbox"/> MONUMENT <input type="checkbox"/> BOTH
ANY EVIDENCE OF TAMPERING WITH THE WELL CASING OR CAP?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
ANY ODORS?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
IF YES, DESCRIBE ODOR:	<input type="checkbox"/> SOLVENT	<input type="checkbox"/> HYDROGEN SULFIDE/ROTTEN EGGS
	<input type="checkbox"/> PETROLEUM	<input type="checkbox"/> OTHER: _____
WERE PICTURES TAKEN?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO

COMMON DEFICIENCIES

COMMON DEFICIENCIES:	<input type="checkbox"/> MISSING LOCK	<input type="checkbox"/> RUSTY STICK-UP
	<input type="checkbox"/> RUSTY BOLLARDS	<input checked="" type="checkbox"/> MISSING BOLTS
	NUMBER OF BOLTS MISSING: <u>3</u>	

ADDITIONAL NOTES OR COMMENTS ON CONDITION

New well installed

GENERAL CONDITION (CHECK ONE):

☒ GOOD

☐ MODERATE

☐ POOR



NAS Whidbey Island
Oak Harbor, WA
Naval Facilities Engineering Command Northwest

GROUNDWATER MONITORING WELL VISUAL INSPECTION CHECKLIST

DATE(S) (MM/DD/YY): <u>10/15/2021</u>	TIME (HH:MM): <u>0854</u>	WEATHER/TEMPERATURE: <u>Rain, 54°</u>
INSPECTOR(S): <u>Alex McCarthy, Jeff Fetters</u>		COMPANY: <u>Liberty JV</u>
OU AND SITE: <u>Site 36, EFA</u>	DESCRIPTION: <u>INDUSTRIAL</u>	
WELL ID: <u>MW-335</u>	NORTHING: <u>473561.804</u>	EASTING: <u>1204507.818</u>

INSPECTION CHECKLIST

MONITORING WELL LOCATED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
WELL CLEARLY LABELED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
MONUMENT IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF WELL CASING:	<input type="checkbox"/> STICK-UP	<input checked="" type="checkbox"/> FLUSH-MOUNT <input type="checkbox"/> OTHER:
SIZE & NUMBER OF BOLTS ON FLUSH-MOUNT LID:	<u>8 x 9/16</u>	
SURROUNDING SURFACE MATERIAL:	<input type="checkbox"/> CONCRETE	<input checked="" type="checkbox"/> ASPHALT <input type="checkbox"/> SOIL
	<input type="checkbox"/> OTHER: _____	
CONCRETE APRON:	<input checked="" type="checkbox"/> NOT PRESENT	<input type="checkbox"/> SLOPING AWAY <input type="checkbox"/> SUNKEN
LID CONDITION (STICKUP WELL ONLY):	<input type="checkbox"/> INTACT AND LOCKABLE	<input type="checkbox"/> DAMAGED
NUMBER OF BOLLARDS:	_____	
BOLLARD CONDITION:	<input type="checkbox"/> NOT PRESENT	<input type="checkbox"/> STILL PLUMB <input type="checkbox"/> DAMAGED: _____
CASING DIAMETER:	<input type="checkbox"/> 2"	<input checked="" type="checkbox"/> 4" <input type="checkbox"/> 6"
	<input type="checkbox"/> 8"	<input type="checkbox"/> OTHER: _____
IS THE CASING IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
IS THERE A CAP ON THE MONITORING WELL?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF CAP:	<input type="checkbox"/> PVC SLIP CAP	<input checked="" type="checkbox"/> J-PLUG <input type="checkbox"/> EXPANSION
	<input type="checkbox"/> PRODUCTION W/TUBING	<input type="checkbox"/> OTHER: _____
LOCK MATERIAL:	<input checked="" type="checkbox"/> BRASS	<input type="checkbox"/> STAINLESS STEEL <input type="checkbox"/> OTHER: _____
LOCK SHANK LENGTH (estimated):	<u>2 7/16</u> INCHES	
LOCK LOCATION:	<input checked="" type="checkbox"/> WELL CAP	<input type="checkbox"/> MONUMENT <input type="checkbox"/> BOTH
ANY EVIDENCE OF TAMPERING WITH THE WELL CASING OR CAP?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
ANY ODORS?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
IF YES, DESCRIBE ODOR:	<input type="checkbox"/> SOLVENT	<input type="checkbox"/> HYDROGEN SULFIDE/ROTTEN EGGS
	<input type="checkbox"/> PETROLEUM	<input type="checkbox"/> OTHER: _____
WERE PICTURES TAKEN?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO

COMMON DEFICIENCIES

COMMON DEFICIENCIES:	<input type="checkbox"/> MISSING LOCK	<input type="checkbox"/> RUSTY STICK-UP
	<input type="checkbox"/> RUSTY BOLLARDS	<input checked="" type="checkbox"/> MISSING BOLTS
		NUMBER OF BOLTS MISSING: <u>2</u>

ADDITIONAL NOTES OR COMMENTS ON CONDITION

New lock installed

GENERAL CONDITION (CHECK ONE): ☒ GOOD ☐ MODERATE ☐ POOR



NAS Whidbey Island
Oak Harbor, WA
Naval Facilities Engineering Command Northwest

GROUNDWATER MONITORING WELL VISUAL INSPECTION CHECKLIST

DATE(S) (MM/DD/YY): <u>10/15/2021</u>	TIME (HH:MM): <u>0745</u>	WEATHER/TEMPERATURE: <u>Rain, 55°</u>
INSPECTOR(S): <u>Alex McCarthy, Jeff Fellers</u>		COMPANY: <u>Liberty JV.</u>
LOCATION AND SITE: <u>Site 36 FFF1</u>	DESCRIPTION: <u>INDUSTRIAL</u>	
WELL ID: <u>MW-337</u>	NORTHING: <u>473665.252</u>	EASTING: <u>1204485.035</u>

INSPECTION CHECKLIST

MONITORING WELL LOCATED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
WELL CLEARLY LABELED?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
MONUMENT IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF WELL CASING:	<input type="checkbox"/> STICK-UP	<input checked="" type="checkbox"/> FLUSH-MOUNT <input type="checkbox"/> OTHER:
SIZE & NUMBER OF BOLTS ON FLUSH-MOUNT LID: <u>3 x 7/16</u>		
SURROUNDING SURFACE MATERIAL:	<input type="checkbox"/> CONCRETE	<input checked="" type="checkbox"/> ASPHALT <input type="checkbox"/> SOIL
	<input type="checkbox"/> OTHER: _____	
CONCRETE APRON:	<input type="checkbox"/> NOT PRESENT	<input checked="" type="checkbox"/> SLOPING AWAY <input type="checkbox"/> SUNKEN
LID CONDITION (STICKUP WELL ONLY):	<input type="checkbox"/> INTACT AND LOCKABLE	<input type="checkbox"/> DAMAGED
NUMBER OF BOLLARDS:	_____	
BOLLARD CONDITION:	<input type="checkbox"/> NOT PRESENT	<input type="checkbox"/> STILL PLUMB <input type="checkbox"/> DAMAGED: _____
CASING DIAMETER:	<input type="checkbox"/> 2" <input type="checkbox"/> 8"	<input checked="" type="checkbox"/> 4" <input type="checkbox"/> 6" <input type="checkbox"/> OTHER: _____
IS THE CASING IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
IS THERE A CAP ON THE MONITORING WELL?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF CAP:	<input type="checkbox"/> PVC SLIP CAP	<input checked="" type="checkbox"/> J-PLUG <input type="checkbox"/> EXPANSION
	<input type="checkbox"/> PRODUCTION W/TUBING	<input type="checkbox"/> OTHER: _____
LOCK MATERIAL:	<input checked="" type="checkbox"/> BRASS	<input type="checkbox"/> STAINLESS STEEL <input type="checkbox"/> OTHER: _____
LOCK SHANK LENGTH (estimated): <u>2 7/16</u> INCHES		
LOCK LOCATION:	<input type="checkbox"/> WELL CAP	<input type="checkbox"/> MONUMENT <input type="checkbox"/> BOTH
ANY EVIDENCE OF TAMPERING WITH THE WELL CASING OR CAP?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
ANY ODORS?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
IF YES, DESCRIBE ODOR:	<input type="checkbox"/> SOLVENT	<input type="checkbox"/> HYDROGEN SULFIDE/ROTTEN EGGS
	<input type="checkbox"/> PETROLEUM	<input type="checkbox"/> OTHER: _____
WERE PICTURES TAKEN?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO

COMMON DEFICIENCIES

COMMON DEFICIENCIES:	<input type="checkbox"/> MISSING LOCK	<input type="checkbox"/> RUSTY STICK-UP
	<input type="checkbox"/> RUSTY BOLLARDS	<input type="checkbox"/> MISSING BOLTS
	NUMBER OF BOLTS MISSING: _____	

ADDITIONAL NOTES OR COMMENTS ON CONDITION

New lock installed.

GENERAL CONDITION (CHECK ONE):

☒ GOOD

☐ MODERATE

☐ POOR



NAS Whidbey Island
Oak Harbor, WA
Naval Facilities Engineering Command Northwest

GROUNDWATER MONITORING WELL VISUAL INSPECTION CHECKLIST

DATE(S) (MM/DD/YY): <u>10/15/2021</u>	TIME (HH:MM): <u>0858</u>	WEATHER/TEMPERATURE: <u>Rain, 54°</u>
INSPECTOR(S): <u>Alex McCarthy, Jeff Fetter</u>		COMPANY: <u>Liberty JV</u>
LOCATION AND SITE: <u>Site 36, PPM</u>	DESCRIPTION: <u>INDUSTRIAL</u>	
WELL ID: <u>MW-336</u>	NORTHING: <u>473628.958</u>	EASTING: <u>1204527.754</u>

INSPECTION CHECKLIST

MONITORING WELL LOCATED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
WELL CLEARLY LABELED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO <u>on J-cap</u>
MONUMENT IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF WELL CASING:	<input type="checkbox"/> STICK-UP	<input checked="" type="checkbox"/> FLUSH-MOUNT <input type="checkbox"/> OTHER:
SIZE & NUMBER OF BOLTS ON FLUSH-MOUNT LID: <u>0 x 9/16</u>		
SURROUNDING SURFACE MATERIAL:	<input type="checkbox"/> CONCRETE	<input type="checkbox"/> ASPHALT <input checked="" type="checkbox"/> SOIL
CONCRETE APRON:	<input type="checkbox"/> OTHER: _____	<input checked="" type="checkbox"/> SLOPING AWAY <input type="checkbox"/> SUNKEN
LID CONDITION (STICKUP WELL ONLY):	<input type="checkbox"/> NOT PRESENT	<input type="checkbox"/> DAMAGED
NUMBER OF BOLLARDS:	_____	
BOLLARD CONDITION:	<input type="checkbox"/> NOT PRESENT	<input type="checkbox"/> STILL PLUMB <input type="checkbox"/> DAMAGED: _____
CASING DIAMETER:	<input type="checkbox"/> 2" <input type="checkbox"/> 8"	<input checked="" type="checkbox"/> 4" <input type="checkbox"/> OTHER: _____
IS THE CASING IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
IS THERE A CAP ON THE MONITORING WELL?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF CAP:	<input type="checkbox"/> PVC SLIP CAP	<input checked="" type="checkbox"/> J-PLUG <input type="checkbox"/> EXPANSION
	<input type="checkbox"/> PRODUCTION W/TUBING	<input type="checkbox"/> OTHER: _____
LOCK MATERIAL:	<input checked="" type="checkbox"/> BRASS	<input type="checkbox"/> STAINLESS STEEL <input type="checkbox"/> OTHER: _____
LOCK SHANK LENGTH (estimated):	<u>2 7/16</u> INCHES	
LOCK LOCATION:	<input checked="" type="checkbox"/> WELL CAP	<input type="checkbox"/> MONUMENT <input type="checkbox"/> BOTH
ANY EVIDENCE OF TAMPERING WITH THE WELL CASING OR CAP?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
ANY ODORS?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
IF YES, DESCRIBE ODOR:	<input type="checkbox"/> SOLVENT	<input type="checkbox"/> HYDROGEN SULFIDE/ROTTEN EGGS
	<input type="checkbox"/> PETROLEUM	<input type="checkbox"/> OTHER: _____
WERE PICTURES TAKEN?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO

COMMON DEFICIENCIES

COMMON DEFICIENCIES:	<input type="checkbox"/> MISSING LOCK	<input type="checkbox"/> RUSTY STICK-UP
	<input type="checkbox"/> RUSTY BOLLARDS	<input checked="" type="checkbox"/> MISSING BOLTS
	NUMBER OF BOLTS MISSING: <u>3</u>	

ADDITIONAL NOTES OR COMMENTS ON CONDITION

New lock installed

GENERAL CONDITION (CHECK ONE):	<input checked="" type="checkbox"/> GOOD	<input type="checkbox"/> MODERATE	<input type="checkbox"/> POOR
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NAS Whidbey Island
Oak Harbor, WA
Naval Facilities Engineering Command Northwest

GROUNDWATER MONITORING WELL VISUAL INSPECTION CHECKLIST

DATE(S) (MM/DD/YY): <u>10/15/2021</u>	TIME (HH:MM): <u>0830</u>	WEATHER/TEMPERATURE: <u>Rain, 54°</u>
INSPECTOR(S): <u>Alex McElmurry, Jeff Fetters</u>		COMPANY: <u>Liberty JV.</u>
OU AND SITE: <u>Site 36, PFI</u>	DESCRIPTION: <u>INDUSTRIAL</u>	
WELL ID: <u>MW-339</u>	NORTHING: <u>443522.858</u>	EASTING: <u>1204564.716</u>

INSPECTION CHECKLIST

MONITORING WELL LOCATED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
WELL CLEARLY LABELED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
MONUMENT IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF WELL CASING:	<input type="checkbox"/> STICK-UP	<input checked="" type="checkbox"/> FLUSH-MOUNT <input type="checkbox"/> OTHER:
SIZE & NUMBER OF BOLTS ON FLUSH-MOUNT LID: <u>0 x 9/16</u>	<input type="checkbox"/> CONCRETE	<input type="checkbox"/> ASPHALT <input checked="" type="checkbox"/> SOIL
SURROUNDING SURFACE MATERIAL:	<input type="checkbox"/> OTHER: _____	<input checked="" type="checkbox"/> SLOPING AWAY <input type="checkbox"/> SUNKEN
CONCRETE APRON:	<input type="checkbox"/> NOT PRESENT	<input type="checkbox"/> DAMAGED
LID CONDITION (STICKUP WELL ONLY):	<input type="checkbox"/> INTACT AND LOCKABLE	
NUMBER OF BOLLARDS:	_____	
BOLLARD CONDITION:	<input type="checkbox"/> NOT PRESENT	<input type="checkbox"/> STILL PLUMB <input type="checkbox"/> DAMAGED: _____
CASING DIAMETER:	<input type="checkbox"/> 2" <input checked="" type="checkbox"/> 4" <input type="checkbox"/> 8"	<input type="checkbox"/> OTHER: _____
IS THE CASING IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
IS THERE A CAP ON THE MONITORING WELL?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF CAP:	<input checked="" type="checkbox"/> PVC SLIP CAP <input type="checkbox"/> PRODUCTION W/TUBING	<input type="checkbox"/> J-PLUG <input type="checkbox"/> EXPANSION
LOCK MATERIAL: <u>NONE</u>	<input type="checkbox"/> BRASS	<input type="checkbox"/> STAINLESS STEEL <input type="checkbox"/> OTHER: _____
LOCK SHANK LENGTH (estimated): _____ INCHES	<input type="checkbox"/> WELL CAP	<input type="checkbox"/> MONUMENT <input type="checkbox"/> BOTH
LOCK LOCATION:	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
ANY EVIDENCE OF TAMPERING WITH THE WELL CASING OR CAP?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
ANY ODORS?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
IF YES, DESCRIBE ODOR:	<input type="checkbox"/> SOLVENT <input type="checkbox"/> PETROLEUM	<input type="checkbox"/> HYDROGEN SULFIDE/ROTTEN EGGS <input type="checkbox"/> OTHER: _____
WERE PICTURES TAKEN?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO

COMMON DEFICIENCIES

COMMON DEFICIENCIES:	<input type="checkbox"/> MISSING LOCK	<input type="checkbox"/> RUSTY STICK-UP
	<input type="checkbox"/> RUSTY BOLLARDS	<input checked="" type="checkbox"/> MISSING BOLTS
		NUMBER OF BOLTS MISSING: <u>3</u>

ADDITIONAL NOTES OR COMMENTS ON CONDITION

Unable to install lock on slip cap

GENERAL CONDITION (CHECK ONE): ☒ GOOD ☐ MODERATE ☐ POOR



NAS Whidbey Island
Oak Harbor, WA
Naval Facilities Engineering Command Northwest

GROUNDWATER MONITORING WELL VISUAL INSPECTION CHECKLIST

DATE(S) (MM/DD/YY): <u>10/15/2021</u>	TIME (HH:MM): <u>0856</u>	WEATHER/TEMPERATURE: <u>Rain, 54°</u>
INSPECTOR(S): <u>Alex McLaughlin, Jeff Fetter</u>		COMPANY: <u>Liberty JV.</u>
OU AND SITE: <u>Site 36, PFP1</u>	DESCRIPTION: <u>INDUSTRIAL</u>	
WELL ID: <u>MW - 342</u>	NORTHING: <u>473874.055</u>	EASTING: <u>12041479.340</u>

INSPECTION CHECKLIST

MONITORING WELL LOCATED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
WELL CLEARLY LABELED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
MONUMENT IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF WELL CASING:	<input type="checkbox"/> STICK-UP	<input checked="" type="checkbox"/> FLUSH-MOUNT <input type="checkbox"/> OTHER:
SIZE & NUMBER OF BOLTS ON FLUSH-MOUNT LID:	<u>1 x 9/16</u>	
SURROUNDING SURFACE MATERIAL:	<input type="checkbox"/> CONCRETE	<input checked="" type="checkbox"/> ASPHALT <input type="checkbox"/> SOIL
CONCRETE APRON:	<input type="checkbox"/> OTHER: _____	<input checked="" type="checkbox"/> SLOPING AWAY <input type="checkbox"/> SUNKEN
LID CONDITION (STICKUP WELL ONLY):	<input type="checkbox"/> NOT PRESENT	<input type="checkbox"/> DAMAGED
NUMBER OF BOLLARDS:	_____	
BOLLARD CONDITION:	<input type="checkbox"/> NOT PRESENT	<input type="checkbox"/> STILL PLUMB <input type="checkbox"/> DAMAGED: _____
CASING DIAMETER:	<input type="checkbox"/> 2"	<input checked="" type="checkbox"/> 4" <input type="checkbox"/> 6"
	<input type="checkbox"/> 8"	<input type="checkbox"/> OTHER: _____
IS THE CASING IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
IS THERE A CAP ON THE MONITORING WELL?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF CAP:	<input type="checkbox"/> PVC SLIP CAP	<input checked="" type="checkbox"/> J-PLUG <input type="checkbox"/> EXPANSION
	<input type="checkbox"/> PRODUCTION W/TUBING	<input type="checkbox"/> OTHER: _____
LOCK MATERIAL:	<input checked="" type="checkbox"/> BRASS	<input type="checkbox"/> STAINLESS STEEL <input type="checkbox"/> OTHER: _____
LOCK SHANK LENGTH (estimated):	<u>2 7/16</u> INCHES	
LOCK LOCATION:	<input checked="" type="checkbox"/> WELL CAP	<input type="checkbox"/> MONUMENT <input type="checkbox"/> BOTH
ANY EVIDENCE OF TAMPERING WITH THE WELL CASING OR CAP?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
ANY ODORS?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
IF YES, DESCRIBE ODOR:	<input type="checkbox"/> SOLVENT	<input type="checkbox"/> HYDROGEN SULFIDE/ROTTEN EGGS
	<input type="checkbox"/> PETROLEUM	<input type="checkbox"/> OTHER: _____
WERE PICTURES TAKEN?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO

COMMON DEFICIENCIES

COMMON DEFICIENCIES:	<input type="checkbox"/> MISSING LOCK	<input type="checkbox"/> RUSTY STICK-UP
	<input type="checkbox"/> RUSTY BOLLARDS	<input checked="" type="checkbox"/> MISSING BOLTS
		NUMBER OF BOLTS MISSING: <u>2</u>

ADDITIONAL NOTES OR COMMENTS ON CONDITION

New hole installed

GENERAL CONDITION (CHECK ONE): ☒ GOOD ☐ MODERATE ☐ POOR



NAS Whidbey Island
Oak Harbor, WA
Naval Facilities Engineering Command Northwest

GROUNDWATER MONITORING WELL VISUAL INSPECTION CHECKLIST

DATE(S) (MM/DD/YY): <u>10/14/2021</u>	TIME (HH:MM): <u>1330</u>	WEATHER/TEMPERATURE: <u>Cloudy, 54°</u>
INSPECTOR(S): <u>Alex McCarthy, Jeff Fetter</u>		COMPANY: <u>Liberty SV.</u>
OU AND SITE: <u>Site 36, FFF1</u>	DESCRIPTION: <u>Industrial</u>	
WELL ID: <u>MW-343</u>	NORTHING: <u>473477.292</u>	EASTING: <u>1204630.277</u>

INSPECTION CHECKLIST

MONITORING WELL LOCATED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
WELL CLEARLY LABELED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
MONUMENT IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF WELL CASING:	<input type="checkbox"/> STICK-UP	<input checked="" type="checkbox"/> FLUSH-MOUNT <input type="checkbox"/> OTHER:
SIZE & NUMBER OF BOLTS ON FLUSH-MOUNT LID: <u>2 x 7/16</u>		
SURROUNDING SURFACE MATERIAL:	<input type="checkbox"/> CONCRETE	<input type="checkbox"/> ASPHALT <input checked="" type="checkbox"/> SOIL
CONCRETE APRON:	<input type="checkbox"/> NOT PRESENT	<input checked="" type="checkbox"/> SLOPING AWAY <input type="checkbox"/> SUNKEN
LID CONDITION (STICKUP WELL ONLY):	<input type="checkbox"/> INTACT AND LOCKABLE	<input type="checkbox"/> DAMAGED
NUMBER OF BOLLARDS: <u>0</u>		
BOLLARD CONDITION:	<input checked="" type="checkbox"/> NOT PRESENT	<input type="checkbox"/> STILL PLUMB <input type="checkbox"/> DAMAGED: _____
CASING DIAMETER:	<input type="checkbox"/> 2" <input type="checkbox"/> 8"	<input checked="" type="checkbox"/> 4" <input type="checkbox"/> 6" <input type="checkbox"/> OTHER: _____
IS THE CASING IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
IS THERE A CAP ON THE MONITORING WELL?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF CAP:	<input type="checkbox"/> PVC SLIP CAP <input type="checkbox"/> PRODUCTION W/TUBING	<input checked="" type="checkbox"/> J-PLUG <input type="checkbox"/> EXPANSION <input type="checkbox"/> OTHER: _____
LOCK MATERIAL:	<input checked="" type="checkbox"/> BRASS	<input type="checkbox"/> STAINLESS STEEL <input type="checkbox"/> OTHER: _____
LOCK SHANK LENGTH (estimated): <u>2 7/16</u> INCHES		
LOCK LOCATION:	<input checked="" type="checkbox"/> WELL CAP	<input type="checkbox"/> MONUMENT <input type="checkbox"/> BOTH
ANY EVIDENCE OF TAMPERING WITH THE WELL CASING OR CAP?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
ANY ODORS?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
IF YES, DESCRIBE ODOR:	<input type="checkbox"/> SOLVENT <input type="checkbox"/> PETROLEUM	<input type="checkbox"/> HYDROGEN SULFIDE/ROTTEN EGGS <input type="checkbox"/> OTHER: _____
WERE PICTURES TAKEN?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO

COMMON DEFICIENCIES

COMMON DEFICIENCIES:	<input type="checkbox"/> MISSING LOCK <input type="checkbox"/> RUSTY BOLLARDS	<input type="checkbox"/> RUSTY STICK-UP <input type="checkbox"/> MISSING BOLTS
	NUMBER OF BOLTS MISSING: _____	

ADDITIONAL NOTES OR COMMENTS ON CONDITION

New lock installed.

GENERAL CONDITION (CHECK ONE): ☒ GOOD ☐ MODERATE ☐ POOR



NAS Whidbey Island
Oak Harbor, WA
Naval Facilities Engineering Command Northwest

GROUNDWATER MONITORING WELL VISUAL INSPECTION CHECKLIST

DATE(S) (MM/DD/YY): <u>10/15/2021</u>	TIME (HH:MM): <u>0837</u>	WEATHER/TEMPERATURE: <u>Rain, 54°</u>
INSPECTOR(S): <u>Alex McConthy, Jeff Fetters</u>		COMPANY: <u>Liberty JV</u>
LOCATION AND SITE: <u>800c 312, FFR1</u>	DESCRIPTION: <u>INDUSTRIAL</u>	
WELL ID: <u>MW-344</u>	NORTHING: <u>473494.379</u>	EASTING: <u>1204772.672</u>

INSPECTION CHECKLIST

MONITORING WELL LOCATED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
WELL CLEARLY LABELED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
MONUMENT IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF WELL CASING:	<input type="checkbox"/> STICK-UP	<input checked="" type="checkbox"/> FLUSH-MOUNT <input type="checkbox"/> OTHER:
SIZE & NUMBER OF BOLTS ON FLUSH-MOUNT LID: <u>0 x 9/16</u>		
SURROUNDING SURFACE MATERIAL:	<input type="checkbox"/> CONCRETE	<input checked="" type="checkbox"/> ASPHALT <input type="checkbox"/> SOIL
CONCRETE APRON:	<input type="checkbox"/> OTHER: _____	
LID CONDITION (STICKUP WELL ONLY):	<input type="checkbox"/> NOT PRESENT	<input checked="" type="checkbox"/> SLOPING AWAY <input type="checkbox"/> SUNKEN
	<input type="checkbox"/> INTACT AND LOCKABLE	<input type="checkbox"/> DAMAGED
NUMBER OF BOLLARDS:	_____	
BOLLARD CONDITION:	<input type="checkbox"/> NOT PRESENT	<input type="checkbox"/> STILL PLUMB <input type="checkbox"/> DAMAGED: _____
CASING DIAMETER:	<input type="checkbox"/> 2"	<input checked="" type="checkbox"/> 4" <input type="checkbox"/> 6"
	<input type="checkbox"/> 8"	<input type="checkbox"/> OTHER: _____
IS THE CASING IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
IS THERE A CAP ON THE MONITORING WELL?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF CAP:	<input type="checkbox"/> PVC SLIP CAP	<input checked="" type="checkbox"/> J-PLUG <input type="checkbox"/> EXPANSION
	<input type="checkbox"/> PRODUCTION W/TUBING	<input type="checkbox"/> OTHER: _____
LOCK MATERIAL:	<input checked="" type="checkbox"/> BRASS	<input type="checkbox"/> STAINLESS STEEL <input type="checkbox"/> OTHER: _____
LOCK SHANK LENGTH (estimated):	_____ INCHES	
LOCK LOCATION:	<input type="checkbox"/> WELL CAP	<input type="checkbox"/> MONUMENT <input type="checkbox"/> BOTH
ANY EVIDENCE OF TAMPERING WITH THE WELL CASING OR CAP?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
ANY ODORS?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
IF YES, DESCRIBE ODOR:	<input type="checkbox"/> SOLVENT	<input type="checkbox"/> HYDROGEN SULFIDE/ROTTEN EGGS
	<input type="checkbox"/> PETROLEUM	<input type="checkbox"/> OTHER: _____
WERE PICTURES TAKEN?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO

COMMON DEFICIENCIES

COMMON DEFICIENCIES:	<input type="checkbox"/> MISSING LOCK	<input type="checkbox"/> RUSTY STICK-UP
	<input type="checkbox"/> RUSTY BOLLARDS	<input checked="" type="checkbox"/> MISSING BOLTS
	NUMBER OF BOLTS MISSING: <u>3</u>	

ADDITIONAL NOTES OR COMMENTS ON CONDITION

Well cap damaged, unable to install lock

GENERAL CONDITION (CHECK ONE): ☒ GOOD ☐ MODERATE ☐ POOR



NAS Whidbey Island
Oak Harbor, WA
Naval Facilities Engineering Command Northwest

GROUNDWATER MONITORING WELL VISUAL INSPECTION CHECKLIST

DATE(S) (MM/DD/YY): <u>10/15/2021</u>	TIME (HH:MM): <u>0800</u>	WEATHER/TEMPERATURE: <u>Rain, 54°</u>
INSPECTOR(S): <u>Alex McConthy, Jeff Fetters</u>	COMPANY: <u>Liberty JV.</u>	
OU AND SITE: <u>Site 36, FFF1</u>	DESCRIPTION: <u>INDUSTRIAL</u>	
WELL ID: <u>MW-501</u>	NORTHING: <u>473812.614</u>	EASTING: <u>1204385.860</u>

INSPECTION CHECKLIST

MONITORING WELL LOCATED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
WELL CLEARLY LABELED?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
MONUMENT IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF WELL CASING:	<input type="checkbox"/> STICK-UP	<input checked="" type="checkbox"/> FLUSH-MOUNT <input type="checkbox"/> OTHER:
SIZE & NUMBER OF BOLTS ON FLUSH-MOUNT LID: <u>0 x 9/16</u>		
SURROUNDING SURFACE MATERIAL:	<input type="checkbox"/> CONCRETE	<input checked="" type="checkbox"/> ASPHALT <input type="checkbox"/> SOIL
	<input type="checkbox"/> OTHER: _____	
CONCRETE APRON:	<input type="checkbox"/> NOT PRESENT	<input checked="" type="checkbox"/> SLOPING AWAY <input type="checkbox"/> SUNKEN
LID CONDITION (STICKUP WELL ONLY):	<input type="checkbox"/> INTACT AND LOCKABLE	<input type="checkbox"/> DAMAGED
NUMBER OF BOLLARDS:	_____	
BOLLARD CONDITION:	<input type="checkbox"/> NOT PRESENT	<input type="checkbox"/> STILL PLUMB <input type="checkbox"/> DAMAGED: _____
CASING DIAMETER:	<input type="checkbox"/> 2" <input type="checkbox"/> 4" <input checked="" type="checkbox"/> 6" <input type="checkbox"/> 8"	<input type="checkbox"/> OTHER: _____
IS THE CASING IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
IS THERE A CAP ON THE MONITORING WELL?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF CAP:	<input type="checkbox"/> PVC SLIP CAP	<input checked="" type="checkbox"/> J-PLUG <input type="checkbox"/> EXPANSION
	<input type="checkbox"/> PRODUCTION W/TUBING	<input type="checkbox"/> OTHER: _____
LOCK MATERIAL:	<input checked="" type="checkbox"/> BRASS	<input type="checkbox"/> STAINLESS STEEL <input type="checkbox"/> OTHER: _____
LOCK SHANK LENGTH (estimated): <u>2 7/16</u> INCHES		
LOCK LOCATION:	<input checked="" type="checkbox"/> WELL CAP	<input type="checkbox"/> MONUMENT <input type="checkbox"/> BOTH
ANY EVIDENCE OF TAMPERING WITH THE WELL CASING OR CAP?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
ANY ODORS?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
IF YES, DESCRIBE ODOR:	<input type="checkbox"/> SOLVENT <input type="checkbox"/> PETROLEUM	<input type="checkbox"/> HYDROGEN SULFIDE/ROTTEN EGGS <input type="checkbox"/> OTHER: _____
WERE PICTURES TAKEN?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO

COMMON DEFICIENCIES

COMMON DEFICIENCIES:	<input type="checkbox"/> MISSING LOCK	<input type="checkbox"/> RUSTY STICK-UP
	<input type="checkbox"/> RUSTY BOLLARDS	<input checked="" type="checkbox"/> MISSING BOLTS
	NUMBER OF BOLTS MISSING: <u>3</u>	

ADDITIONAL NOTES OR COMMENTS ON CONDITION

New lock installed

GENERAL CONDITION (CHECK ONE):

☒ GOOD

☐ MODERATE

☐ POOR



NAS Whidbey Island
Oak Harbor, WA
Naval Facilities Engineering Command Northwest

GROUNDWATER MONITORING WELL VISUAL INSPECTION CHECKLIST

DATE(S) (MM DD YY): <u>10/15/2021</u>	TIME (HH:MM): <u>0800</u>	WEATHER/TEMPERATURE: <u>Rain, 54°</u>
INSPECTOR(S): <u>Alex McCarthy, Jeff Fetters</u>		COMPANY: <u>Liberty JV.</u>
OU AND SITE: <u>Site 36 FFI</u>	DESCRIPTION: <u>INDUSTRIAL</u>	
WELL ID: <u>MW-502</u>	NORTHING: <u>473754.960</u>	EASTING: <u>1204395.327</u>

INSPECTION CHECKLIST

MONITORING WELL LOCATED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
WELL CLEARLY LABELED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
MONUMENT IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF WELL CASING:	<input type="checkbox"/> STICK-UP	<input checked="" type="checkbox"/> FLUSH-MOUNT <input type="checkbox"/> OTHER:
SIZE & NUMBER OF BOLTS ON FLUSH-MOUNT LID: <u>0 x 1/16</u>		
SURROUNDING SURFACE MATERIAL:	<input type="checkbox"/> CONCRETE	<input checked="" type="checkbox"/> ASPHALT <input type="checkbox"/> SOIL
	<input type="checkbox"/> OTHER: _____	
CONCRETE APRON:	<input checked="" type="checkbox"/> NOT PRESENT	<input type="checkbox"/> SLOPING AWAY <input type="checkbox"/> SUNKEN
LID CONDITION (STICKUP WELL ONLY):	<input type="checkbox"/> INTACT AND LOCKABLE	<input type="checkbox"/> DAMAGED
NUMBER OF BOLLARDS:	_____	
BOLLARD CONDITION:	<input type="checkbox"/> NOT PRESENT	<input type="checkbox"/> STILL PLUMB <input type="checkbox"/> DAMAGED: _____
CASING DIAMETER:	<input type="checkbox"/> 2" <input type="checkbox"/> 8"	<input type="checkbox"/> 4" <input checked="" type="checkbox"/> 6" <input type="checkbox"/> OTHER: _____
IS THE CASING IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
IS THERE A CAP ON THE MONITORING WELL?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF CAP:	<input type="checkbox"/> PVC SLIP CAP	<input checked="" type="checkbox"/> J-PLUG <input type="checkbox"/> EXPANSION
	<input type="checkbox"/> PRODUCTION W/TUBING	<input type="checkbox"/> OTHER: _____
LOCK MATERIAL:	<input checked="" type="checkbox"/> BRASS	<input type="checkbox"/> STAINLESS STEEL <input type="checkbox"/> OTHER: _____
LOCK SHANK LENGTH (estimated): <u>2 7/16</u> INCHES		
LOCK LOCATION:	<input checked="" type="checkbox"/> WELL CAP	<input type="checkbox"/> MONUMENT <input type="checkbox"/> BOTH
ANY EVIDENCE OF TAMPERING WITH THE WELL CASING OR CAP?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
ANY ODORS?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
IF YES, DESCRIBE ODOR:	<input type="checkbox"/> SOLVENT	<input type="checkbox"/> HYDROGEN SULFIDE/ROTTEN EGGS
	<input type="checkbox"/> PETROLEUM	<input type="checkbox"/> OTHER: _____
WERE PICTURES TAKEN?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO

COMMON DEFICIENCIES

COMMON DEFICIENCIES:	<input type="checkbox"/> MISSING LOCK	<input type="checkbox"/> RUSTY STICK-UP
	<input type="checkbox"/> RUSTY BOLLARDS	<input checked="" type="checkbox"/> MISSING BOLTS
	NUMBER OF BOLTS MISSING: <u>3</u>	

ADDITIONAL NOTES OR COMMENTS ON CONDITION

New lock installed.

GENERAL CONDITION (CHECK ONE):

☒ GOOD

☐ MODERATE

☐ POOR



NAS Whidbey Island
Oak Harbor, WA
Naval Facilities Engineering Command Northwest

GROUNDWATER MONITORING WELL VISUAL INSPECTION CHECKLIST

DATE(S) (MM/DD/YY): <u>10/15/2021</u>	TIME (HH:MM): <u>0755</u>	WEATHER/TEMPERATURE: <u>Rain, 54°</u>
INSPECTOR(S): <u>Alex McElanthy, Jeff Fettes</u>	COMPANY: <u>Liberty JV.</u>	
OU AND SITE: <u>Site 36, FFF1</u>	DESCRIPTION: <u>INDUSTRIAL</u>	
WELL ID: <u>MW-503</u>	NORTHING: <u>473698.002</u>	EASTING: <u>1204467.948</u>

INSPECTION CHECKLIST

MONITORING WELL LOCATED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
WELL CLEARLY LABELED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
MONUMENT IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF WELL CASING:	<input type="checkbox"/> STICK-UP	<input checked="" type="checkbox"/> FLUSH-MOUNT <input type="checkbox"/> OTHER:
SIZE & NUMBER OF BOLTS ON FLUSH-MOUNT LID: <u>0 x 9/16</u>		
SURROUNDING SURFACE MATERIAL:	<input type="checkbox"/> CONCRETE	<input checked="" type="checkbox"/> ASPHALT <input type="checkbox"/> SOIL
CONCRETE APRON:	<input type="checkbox"/> NOT PRESENT	<input checked="" type="checkbox"/> SLOPING AWAY <input type="checkbox"/> SUNKEN
LID CONDITION (STICKUP WELL ONLY):	<input type="checkbox"/> INTACT AND LOCKABLE	<input type="checkbox"/> DAMAGED
NUMBER OF BOLLARDS:		
BOLLARD CONDITION:	<input type="checkbox"/> NOT PRESENT	<input type="checkbox"/> STILL PLUMB <input type="checkbox"/> DAMAGED: _____
CASING DIAMETER:	<input type="checkbox"/> 2" <input type="checkbox"/> 4" <input checked="" type="checkbox"/> 6" <input type="checkbox"/> 8"	<input type="checkbox"/> OTHER: _____
IS THE CASING IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
IS THERE A CAP ON THE MONITORING WELL?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF CAP:	<input type="checkbox"/> PVC SLIP CAP	<input checked="" type="checkbox"/> J-PLUG <input type="checkbox"/> EXPANSION
	<input type="checkbox"/> PRODUCTION W/TUBING	<input type="checkbox"/> OTHER: _____
LOCK MATERIAL:	<input checked="" type="checkbox"/> BRASS	<input type="checkbox"/> STAINLESS STEEL <input type="checkbox"/> OTHER: _____
LOCK SHANK LENGTH (estimated): <u>2 7/16</u> INCHES		
LOCK LOCATION:	<input checked="" type="checkbox"/> WELL CAP	<input type="checkbox"/> MONUMENT <input type="checkbox"/> BOTH
ANY EVIDENCE OF TAMPERING WITH THE WELL CASING OR CAP?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
ANY ODORS?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
IF YES, DESCRIBE ODOR:	<input type="checkbox"/> SOLVENT	<input type="checkbox"/> HYDROGEN SULFIDE/ROTTEN EGGS
	<input type="checkbox"/> PETROLEUM	<input type="checkbox"/> OTHER: _____
WERE PICTURES TAKEN?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO

COMMON DEFICIENCIES

COMMON DEFICIENCIES:	<input type="checkbox"/> MISSING LOCK	<input type="checkbox"/> RUSTY STICK-UP
	<input type="checkbox"/> RUSTY BOLLARDS	<input checked="" type="checkbox"/> MISSING BOLTS
	NUMBER OF BOLTS MISSING: <u>3</u>	

ADDITIONAL NOTES OR COMMENTS ON CONDITION

New lock installed.

GENERAL CONDITION (CHECK ONE):

☒ GOOD

☐ MODERATE

☐ POOR



NAS Whidbey Island
Oak Harbor, WA
Naval Facilities Engineering Command Northwest

GROUNDWATER MONITORING WELL VISUAL INSPECTION CHECKLIST

DATE(S) (MM/DD/YY): <u>10/15/2021</u>	TIME (HH:MM): <u>0810</u>	WEATHER/TEMPERATURE: <u>Rain, 54°</u>
INSPECTOR(S): <u>Alex McCarthy, Jose Fetters</u>		COMPANY: <u>Liberty JV.</u>
LOCATION AND SITE: <u>Site 36, FFPI</u>	DESCRIPTION: <u>INDUSTRIAL</u>	
WELL ID: <u>MW-601</u>	NORTHING: <u>473688.035</u>	EASTING: <u>1204497.851</u>

INSPECTION CHECKLIST

MONITORING WELL LOCATED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
WELL CLEARLY LABELED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
MONUMENT IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF WELL CASING:	<input type="checkbox"/> STICK-UP	<input checked="" type="checkbox"/> FLUSH-MOUNT <input type="checkbox"/> OTHER:
SIZE & NUMBER OF BOLTS ON FLUSH-MOUNT LID:	<u>2 x 9/16</u>	
SURROUNDING SURFACE MATERIAL:	<input type="checkbox"/> CONCRETE	<input type="checkbox"/> ASPHALT <input checked="" type="checkbox"/> SOIL
	<input type="checkbox"/> OTHER: _____	
CONCRETE APRON:	<input checked="" type="checkbox"/> NOT PRESENT	<input type="checkbox"/> SLOPING AWAY <input type="checkbox"/> SUNKEN
LID CONDITION (STICKUP WELL ONLY):	<input type="checkbox"/> INTACT AND LOCKABLE	<input type="checkbox"/> DAMAGED
NUMBER OF BOLLARDS:	_____	
BOLLARD CONDITION:	<input type="checkbox"/> NOT PRESENT	<input type="checkbox"/> STILL PLUMB <input type="checkbox"/> DAMAGED: _____
CASING DIAMETER:	<input checked="" type="checkbox"/> 2"	<input type="checkbox"/> 4" <input type="checkbox"/> 6"
	<input type="checkbox"/> 8"	<input type="checkbox"/> OTHER: _____
IS THE CASING IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
IS THERE A CAP ON THE MONITORING WELL?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF CAP:	<input type="checkbox"/> PVC SLIP CAP	<input checked="" type="checkbox"/> J-PLUG <input type="checkbox"/> EXPANSION
	<input type="checkbox"/> PRODUCTION W/TUBING	<input type="checkbox"/> OTHER: _____
LOCK MATERIAL:	<input checked="" type="checkbox"/> BRASS	<input type="checkbox"/> STAINLESS STEEL <input type="checkbox"/> OTHER: _____
LOCK SHANK LENGTH (estimated):	<u>2. 9/16</u> INCHES	
LOCK LOCATION:	<input checked="" type="checkbox"/> WELL CAP	<input type="checkbox"/> MONUMENT <input type="checkbox"/> BOTH
ANY EVIDENCE OF TAMPERING WITH THE WELL CASING OR CAP?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
ANY ODORS?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
IF YES, DESCRIBE ODOR:	<input type="checkbox"/> SOLVENT	<input type="checkbox"/> HYDROGEN SULFIDE/ROTTEN EGGS
	<input type="checkbox"/> PETROLEUM	<input type="checkbox"/> OTHER: _____
WERE PICTURES TAKEN?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO

COMMON DEFICIENCIES

COMMON DEFICIENCIES:	<input type="checkbox"/> MISSING LOCK	<input type="checkbox"/> RUSTY STICK-UP
	<input type="checkbox"/> RUSTY BOLLARDS	<input type="checkbox"/> MISSING BOLTS
	NUMBER OF BOLTS MISSING: _____	

ADDITIONAL NOTES OR COMMENTS ON CONDITION

New lock installed
Vault full of water.

GENERAL CONDITION (CHECK ONE):	<input checked="" type="checkbox"/> GOOD	<input type="checkbox"/> MODERATE	<input type="checkbox"/> POOR
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NAS Whidbey Island
Oak Harbor, WA
Naval Facilities Engineering Command Northwest

GROUNDWATER MONITORING WELL VISUAL INSPECTION CHECKLIST

DATE(S) (MM/DD/YY): <u>10/15/2021</u>	TIME (HH:MM): <u>0830</u>	WEATHER/TEMPERATURE: <u>Rainy, 54°</u>
INSPECTOR(S): <u>Alex McLaughlin, Jeff Fellers</u>		COMPANY: <u>Liberty JV</u>
LOCATION AND SITE: <u>Site 36, FFE1</u>	DESCRIPTION: <u>INDUSTRIAL</u>	
WELL ID: <u>MW-603</u>	NORTHING: <u>473695.155</u>	EASTING: <u>1204718.562</u>

INSPECTION CHECKLIST

MONITORING WELL LOCATED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
WELL CLEARLY LABELED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
MONUMENT IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF WELL CASING:	<input type="checkbox"/> STICK-UP	<input checked="" type="checkbox"/> FLUSH-MOUNT <input type="checkbox"/> OTHER:
SIZE & NUMBER OF BOLTS ON FLUSH-MOUNT LID: <u>0 x 9/16</u>		
SURROUNDING SURFACE MATERIAL:	<input type="checkbox"/> CONCRETE	<input type="checkbox"/> ASPHALT <input checked="" type="checkbox"/> SOIL
CONCRETE APRON:	<input type="checkbox"/> OTHER: _____	<input type="checkbox"/> NOT PRESENT <input checked="" type="checkbox"/> SLOPING AWAY <input type="checkbox"/> SUNKEN
LID CONDITION (STICKUP WELL ONLY):	<input type="checkbox"/> INTACT AND LOCKABLE	<input type="checkbox"/> DAMAGED
NUMBER OF BOLLARDS:	_____	
BOLLARD CONDITION:	<input type="checkbox"/> NOT PRESENT	<input type="checkbox"/> STILL PLUMB <input type="checkbox"/> DAMAGED: _____
CASING DIAMETER:	<input checked="" type="checkbox"/> 2"	<input type="checkbox"/> 4" <input type="checkbox"/> 6" <input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> 8"	
IS THE CASING IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
IS THERE A CAP ON THE MONITORING WELL?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF CAP:	<input type="checkbox"/> PVC SLIP CAP	<input checked="" type="checkbox"/> J-PLUG <input type="checkbox"/> EXPANSION
	<input type="checkbox"/> PRODUCTION W/TUBING	<input type="checkbox"/> OTHER: _____
LOCK MATERIAL:	<input checked="" type="checkbox"/> BRASS	<input type="checkbox"/> STAINLESS STEEL <input type="checkbox"/> OTHER: _____
LOCK SHANK LENGTH (estimated): <u>2 7/16</u> INCHES		
LOCK LOCATION:	<input type="checkbox"/> WELL CAP	<input type="checkbox"/> MONUMENT <input type="checkbox"/> BOTH
ANY EVIDENCE OF TAMPERING WITH THE WELL CASING OR CAP?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
ANY ODORS?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
IF YES, DESCRIBE ODOR:	<input type="checkbox"/> SOLVENT	<input type="checkbox"/> HYDROGEN SULFIDE/ROTTEN EGGS
	<input type="checkbox"/> PETROLEUM	<input type="checkbox"/> OTHER: _____
WERE PICTURES TAKEN?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO

COMMON DEFICIENCIES

COMMON DEFICIENCIES:	<input type="checkbox"/> MISSING LOCK	<input type="checkbox"/> RUSTY STICK-UP
	<input type="checkbox"/> RUSTY BOLLARDS	<input checked="" type="checkbox"/> MISSING BOLTS
	NUMBER OF BOLTS MISSING: <u>3</u>	

ADDITIONAL NOTES OR COMMENTS ON CONDITION

New lock installed

GENERAL CONDITION (CHECK ONE):

☒ GOOD

☐ MODERATE

☐ POOR



NAS Whidbey Island
Oak Harbor, WA
Naval Facilities Engineering Command Northwest

GROUNDWATER MONITORING WELL VISUAL INSPECTION CHECKLIST

DATE(S) (MM/DD/YY): <u>10/15/2024</u>	TIME (HH:MM): <u>0835</u>	WEATHER/TEMPERATURE: <u>Rain, 54°</u>
INSPECTOR(S): <u>Alex McConthy, Jeff Fetter</u>		COMPANY: <u>Liberty JV.</u>
OU AND SITE: <u>Site 36, PFF1</u>	DESCRIPTION: <u>INDUSTRIAL</u>	
WELL ID: <u>MW-604</u>	NORTHING: <u>473709.394</u>	EASTING: <u>1204778.364</u>

INSPECTION CHECKLIST

MONITORING WELL LOCATED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
WELL CLEARLY LABELED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
MONUMENT IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF WELL CASING:	<input type="checkbox"/> STICK-UP	<input checked="" type="checkbox"/> FLUSH-MOUNT <input type="checkbox"/> OTHER:
SIZE & NUMBER OF BOLTS ON FLUSH-MOUNT LID: <u>3 x 9/16</u>		
SURROUNDING SURFACE MATERIAL:	<input type="checkbox"/> CONCRETE	<input type="checkbox"/> ASPHALT <input checked="" type="checkbox"/> SOIL
CONCRETE APRON:	<input type="checkbox"/> OTHER: _____	<input checked="" type="checkbox"/> SLOPING AWAY <input type="checkbox"/> SUNKEN
LID CONDITION (STICKUP WELL ONLY):	<input type="checkbox"/> NOT PRESENT	<input type="checkbox"/> DAMAGED
NUMBER OF BOLLARDS:	_____	
BOLLARD CONDITION:	<input type="checkbox"/> NOT PRESENT	<input type="checkbox"/> STILL PLUMB <input type="checkbox"/> DAMAGED: _____
CASING DIAMETER:	<input checked="" type="checkbox"/> 2"	<input type="checkbox"/> 4" <input type="checkbox"/> 6"
	<input type="checkbox"/> 8"	<input type="checkbox"/> OTHER: _____
IS THE CASING IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
IS THERE A CAP ON THE MONITORING WELL?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF CAP:	<input type="checkbox"/> PVC SLIP CAP	<input checked="" type="checkbox"/> J-PLUG <input type="checkbox"/> EXPANSION
	<input type="checkbox"/> PRODUCTION W/TUBING	<input type="checkbox"/> OTHER: _____
LOCK MATERIAL:	<input checked="" type="checkbox"/> BRASS	<input type="checkbox"/> STAINLESS STEEL <input type="checkbox"/> OTHER: _____
LOCK SHANK LENGTH (estimated): <u>2 7/16</u> INCHES		
LOCK LOCATION:	<input checked="" type="checkbox"/> WELL CAP	<input type="checkbox"/> MONUMENT <input type="checkbox"/> BOTH
ANY EVIDENCE OF TAMPERING WITH THE WELL CASING OR CAP?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
ANY ODORS?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
IF YES, DESCRIBE ODOR:	<input type="checkbox"/> SOLVENT	<input type="checkbox"/> HYDROGEN SULFIDE/ROTTEN EGGS
	<input type="checkbox"/> PETROLEUM	<input type="checkbox"/> OTHER: _____
WERE PICTURES TAKEN?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO

COMMON DEFICIENCIES

COMMON DEFICIENCIES:	<input type="checkbox"/> MISSING LOCK	<input type="checkbox"/> RUSTY STICK-UP
	<input type="checkbox"/> RUSTY BOLLARDS	<input type="checkbox"/> MISSING BOLTS
		NUMBER OF BOLTS MISSING: _____

ADDITIONAL NOTES OR COMMENTS ON CONDITION

New lock installed.

GENERAL CONDITION (CHECK ONE):	<input checked="" type="checkbox"/> GOOD	<input type="checkbox"/> MODERATE	<input type="checkbox"/> POOR
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NAS Whidbey Island
Oak Harbor, WA
Naval Facilities Engineering Command Northwest

GROUNDWATER MONITORING WELL VISUAL INSPECTION CHECKLIST

DATE(S) (MM/DD/YY): <u>10/13/2021</u>	TIME (HH:MM): <u>1555</u>	WEATHER/TEMPERATURE: <u>Cloudy, 50°</u>
INSPECTOR(S): <u>Alex McEntney, Jeff Fetter</u>		COMPANY: <u>Liberty JV.</u>
OU AND SITE: <u>Site 35, FFFZ</u>	DESCRIPTION: <u>INDUSTRIAL</u>	
WELL ID: <u>MW-001</u>	NORTHING: <u>471180.172</u>	EASTING: <u>1204168.295</u>

INSPECTION CHECKLIST

MONITORING WELL LOCATED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
WELL CLEARLY LABELED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
MONUMENT IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF WELL CASING:	<input checked="" type="checkbox"/> STICK-UP	<input type="checkbox"/> FLUSH-MOUNT <input type="checkbox"/> OTHER:
SIZE & NUMBER OF BOLTS ON FLUSH-MOUNT LID:		
SURROUNDING SURFACE MATERIAL:	<input type="checkbox"/> CONCRETE	<input type="checkbox"/> ASPHALT <input checked="" type="checkbox"/> SOIL
	<input type="checkbox"/> OTHER: _____	
CONCRETE APRON:	<input type="checkbox"/> NOT PRESENT	<input checked="" type="checkbox"/> SLOPING AWAY <input type="checkbox"/> SUNKEN
LID CONDITION (STICKUP WELL ONLY):	<input checked="" type="checkbox"/> INTACT AND LOCKABLE	<input type="checkbox"/> DAMAGED
NUMBER OF BOLLARDS:	<u>2</u>	
BOLLARD CONDITION:	<input type="checkbox"/> NOT PRESENT	<input checked="" type="checkbox"/> STILL PLUMB <input checked="" type="checkbox"/> DAMAGED: <u>1x bollard Not Plumb</u>
CASING DIAMETER:	<input checked="" type="checkbox"/> 2"	<input type="checkbox"/> 4" <input type="checkbox"/> 6"
	<input type="checkbox"/> 8"	<input type="checkbox"/> OTHER: _____
IS THE CASING IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
IS THERE A CAP ON THE MONITORING WELL?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF CAP:	<input checked="" type="checkbox"/> PVC SLIP CAP	<input type="checkbox"/> J-PLUG <input type="checkbox"/> EXPANSION
	<input type="checkbox"/> PRODUCTION W/TUBING	<input type="checkbox"/> OTHER: _____
LOCK MATERIAL:	<input checked="" type="checkbox"/> BRASS	<input type="checkbox"/> STAINLESS STEEL <input type="checkbox"/> OTHER: _____
LOCK SHANK LENGTH (estimated):	<u>2 7/16</u> INCHES	
LOCK LOCATION:	<input type="checkbox"/> WELL CAP	<input checked="" type="checkbox"/> MONUMENT <input type="checkbox"/> BOTH
ANY EVIDENCE OF TAMPERING WITH THE WELL CASING OR CAP?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
ANY ODORS?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
IF YES, DESCRIBE ODOR:	<input type="checkbox"/> SOLVENT	<input type="checkbox"/> HYDROGEN SULFIDE/ROTTEN EGGS
	<input type="checkbox"/> PETROLEUM	<input type="checkbox"/> OTHER: _____
WERE PICTURES TAKEN?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO

COMMON DEFICIENCIES

COMMON DEFICIENCIES:	<input type="checkbox"/> MISSING LOCK	<input type="checkbox"/> RUSTY STICK-UP
	<input type="checkbox"/> RUSTY BOLLARDS	<input type="checkbox"/> MISSING BOLTS
	NUMBER OF BOLTS MISSING: _____	

ADDITIONAL NOTES OR COMMENTS ON CONDITION

New lock installed.

GENERAL CONDITION (CHECK ONE): ☒ GOOD ☐ MODERATE ☐ POOR



NAS Whidbey Island
Oak Harbor, WA
Naval Facilities Engineering Command Northwest

GROUNDWATER MONITORING WELL VISUAL INSPECTION CHECKLIST

DATE(S) (MM/DD/YY): <u>10/13/2021</u>	TIME (HH:MM): <u>1505</u>	WEATHER/TEMPERATURE: <u>Cloudy, 50°</u>
INSPECTOR(S): <u>Alex McLanthy, Jeff Fellers</u>		COMPANY: <u>Liberty JV</u>
OU AND SITE: <u>FFP 2, Site 35</u>	DESCRIPTION: <u>INDUSTRIAL</u>	
WELL ID: <u>MW-306</u>	NORTHING: <u>471388.844</u>	EASTING: <u>1204145.857</u>

INSPECTION CHECKLIST

MONITORING WELL LOCATED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
WELL CLEARLY LABELED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO <i>on inside of lid, outside label faded</i>
MONUMENT IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF WELL CASING:	<input checked="" type="checkbox"/> STICK-UP	<input type="checkbox"/> FLUSH-MOUNT <input type="checkbox"/> OTHER:
SIZE & NUMBER OF BOLTS ON FLUSH-MOUNT LID:		
SURROUNDING SURFACE MATERIAL:	<input type="checkbox"/> CONCRETE <input type="checkbox"/> ASPHALT <input checked="" type="checkbox"/> SOIL	
	<input type="checkbox"/> OTHER:	
CONCRETE APRON:	<input type="checkbox"/> NOT PRESENT	<input checked="" type="checkbox"/> SLOPING AWAY <input type="checkbox"/> SUNKEN
LID CONDITION (STICKUP WELL ONLY):	<input checked="" type="checkbox"/> INTACT AND LOCKABLE	<input type="checkbox"/> DAMAGED
NUMBER OF BOLLARDS:	<u>3</u>	
BOLLARD CONDITION:	<input type="checkbox"/> NOT PRESENT <input checked="" type="checkbox"/> STILL PLUMB	<input type="checkbox"/> DAMAGED: _____
CASING DIAMETER:	<input type="checkbox"/> 2" <input checked="" type="checkbox"/> 4" <input type="checkbox"/> 6"	
	<input type="checkbox"/> 8" <input type="checkbox"/> OTHER: _____	
IS THE CASING IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
IS THERE A CAP ON THE MONITORING WELL?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF CAP:	<input type="checkbox"/> PVC SLIP CAP <input checked="" type="checkbox"/> J-PLUG <input type="checkbox"/> EXPANSION	
	<input type="checkbox"/> PRODUCTION W/TUBING <input type="checkbox"/> OTHER: _____	
LOCK MATERIAL:	<input checked="" type="checkbox"/> BRASS <input type="checkbox"/> STAINLESS STEEL <input type="checkbox"/> OTHER: _____	
LOCK SHANK LENGTH (estimated):	<u>2 7/16</u> INCHES	
LOCK LOCATION:	<input type="checkbox"/> WELL CAP <input checked="" type="checkbox"/> MONUMENT <input type="checkbox"/> BOTH	
ANY EVIDENCE OF TAMPERING WITH THE WELL CASING OR CAP?	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
ANY ODORS?	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
IF YES, DESCRIBE ODOR:	<input type="checkbox"/> SOLVENT <input type="checkbox"/> HYDROGEN SULFIDE/ROTTEN EGGS	
	<input type="checkbox"/> PETROLEUM <input type="checkbox"/> OTHER: _____	
WERE PICTURES TAKEN?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	

COMMON DEFICIENCIES

COMMON DEFICIENCIES:	<input type="checkbox"/> MISSING LOCK <input type="checkbox"/> RUSTY STICK-UP
	<input type="checkbox"/> RUSTY BOLLARDS <input type="checkbox"/> MISSING BOLTS
	NUMBER OF BOLTS MISSING: _____

ADDITIONAL NOTES OR COMMENTS ON CONDITION

GENERAL CONDITION (CHECK ONE): ☒ GOOD ☐ MODERATE ☐ POOR



NAS Whidbey Island
Oak Harbor, WA
Naval Facilities Engineering Command Northwest

GROUNDWATER MONITORING WELL VISUAL INSPECTION CHECKLIST

DATE(S) (MM/DD/YY): <u>10/13/2021</u>	TIME (HH:MM): <u>1540</u>	WEATHER/TEMPERATURE: <u>Cloudy, 50°</u>
INSPECTOR(S): <u>Alex McLanthy, Jeff Fetter</u>		COMPANY: <u>Liberty JV</u>
OU AND SITE: <u>Site 35, FFF2</u>	DESCRIPTION: <u>INDUSTRIAL</u>	
WELL ID: <u>MW-307</u>	NORTHING: <u>471299.093</u>	EASTING: <u>1204148.101</u>

INSPECTION CHECKLIST

MONITORING WELL LOCATED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
WELL CLEARLY LABELED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
MONUMENT IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF WELL CASING:	<input checked="" type="checkbox"/> STICK-UP	<input type="checkbox"/> FLUSH-MOUNT <input type="checkbox"/> OTHER:
SIZE & NUMBER OF BOLTS ON FLUSH-MOUNT LID:		
SURROUNDING SURFACE MATERIAL:	<input type="checkbox"/> CONCRETE <input type="checkbox"/> ASPHALT <input checked="" type="checkbox"/> SOIL	
	<input type="checkbox"/> OTHER: _____	
CONCRETE APRON:	<input type="checkbox"/> NOT PRESENT	<input checked="" type="checkbox"/> SLOPING AWAY <input type="checkbox"/> SUNKEN
LID CONDITION (STICKUP WELL ONLY):	<input checked="" type="checkbox"/> INTACT AND LOCKABLE	<input type="checkbox"/> DAMAGED
NUMBER OF BOLLARDS:	<u>3</u>	
BOLLARD CONDITION:	<input type="checkbox"/> NOT PRESENT	<input checked="" type="checkbox"/> STILL PLUMB <input type="checkbox"/> DAMAGED: _____
CASING DIAMETER:	<input type="checkbox"/> 2" <input type="checkbox"/> 8"	<input checked="" type="checkbox"/> 4" <input type="checkbox"/> 6" <input type="checkbox"/> OTHER: _____
IS THE CASING IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
IS THERE A CAP ON THE MONITORING WELL?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF CAP:	<input type="checkbox"/> PVC SLIP CAP <input type="checkbox"/> PRODUCTION W/TUBING	<input checked="" type="checkbox"/> J-PLUG <input type="checkbox"/> EXPANSION <input type="checkbox"/> OTHER: _____
LOCK MATERIAL:	<input checked="" type="checkbox"/> BRASS	<input type="checkbox"/> STAINLESS STEEL <input type="checkbox"/> OTHER: _____
LOCK SHANK LENGTH (estimated):	<u>2 7/16</u> INCHES	
LOCK LOCATION:	<input type="checkbox"/> WELL CAP	<input checked="" type="checkbox"/> MONUMENT <input type="checkbox"/> BOTH
ANY EVIDENCE OF TAMPERING WITH THE WELL CASING OR CAP?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
ANY ODORS?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
IF YES, DESCRIBE ODOR:	<input type="checkbox"/> SOLVENT <input type="checkbox"/> PETROLEUM	<input type="checkbox"/> HYDROGEN SULFIDE/ROTTEN EGGS <input type="checkbox"/> OTHER: _____
WERE PICTURES TAKEN?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO

COMMON DEFICIENCIES

COMMON DEFICIENCIES:	<input type="checkbox"/> MISSING LOCK <input type="checkbox"/> RUSTY STICK-UP
	<input type="checkbox"/> RUSTY BOLLARDS <input type="checkbox"/> MISSING BOLTS
	NUMBER OF BOLTS MISSING: _____

ADDITIONAL NOTES OR COMMENTS ON CONDITION

New lock installed.

GENERAL CONDITION (CHECK ONE): ☒ GOOD ☐ MODERATE ☐ POOR



NAS Whidbey Island
Oak Harbor, WA
Naval Facilities Engineering Command Northwest

GROUNDWATER MONITORING WELL VISUAL INSPECTION CHECKLIST

DATE(S) (MM/DD/YY): <u>10/13/2021</u>	TIME (HH:MM): <u>1535</u>	WEATHER/TEMPERATURE: <u>Cloudy 50°</u>
INSPECTOR(S): <u>Alex McCarthy, Jeff Fetters</u>		COMPANY: <u>Liberty JV</u>
OU AND SITE: <u>Site 35, FFF2</u>	DESCRIPTION: <u>Industrial</u>	
WELL ID: <u>MW-505</u>	NORTHING: <u>471321.531</u>	EASTING: <u>1203975.085</u>

INSPECTION CHECKLIST

MONITORING WELL LOCATED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
WELL CLEARLY LABELED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
MONUMENT IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF WELL CASING:	<input type="checkbox"/> STICK-UP	<input checked="" type="checkbox"/> FLUSH-MOUNT <input type="checkbox"/> OTHER:
SIZE & NUMBER OF BOLTS ON FLUSH-MOUNT LID: <u>0</u>		
SURROUNDING SURFACE MATERIAL:	<input type="checkbox"/> CONCRETE	<input type="checkbox"/> ASPHALT <input checked="" type="checkbox"/> SOIL
	<input type="checkbox"/> OTHER: _____	
CONCRETE APRON:	<input checked="" type="checkbox"/> NOT PRESENT	<input type="checkbox"/> SLOPING AWAY <input type="checkbox"/> SUNKEN
LID CONDITION (STICKUP WELL ONLY):	<input type="checkbox"/> INTACT AND LOCKABLE	<input type="checkbox"/> DAMAGED
NUMBER OF BOLLARDS: <u>0</u>		
BOLLARD CONDITION:	<input checked="" type="checkbox"/> NOT PRESENT	<input type="checkbox"/> STILL PLUMB <input type="checkbox"/> DAMAGED: _____
CASING DIAMETER:	<input checked="" type="checkbox"/> 2"	<input type="checkbox"/> 4" <input type="checkbox"/> 6"
	<input type="checkbox"/> 8"	<input type="checkbox"/> OTHER: _____
IS THE CASING IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
IS THERE A CAP ON THE MONITORING WELL?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF CAP:	<input type="checkbox"/> PVC SLIP CAP	<input checked="" type="checkbox"/> J-PLUG <input type="checkbox"/> EXPANSION
	<input type="checkbox"/> PRODUCTION W/TUBING	<input type="checkbox"/> OTHER: _____
LOCK MATERIAL:	<input checked="" type="checkbox"/> BRASS	<input type="checkbox"/> STAINLESS STEEL <input type="checkbox"/> OTHER: _____
LOCK SHANK LENGTH (estimated): <u>2 7/16</u> INCHES		
LOCK LOCATION:	<input checked="" type="checkbox"/> WELL CAP	<input type="checkbox"/> MONUMENT <input type="checkbox"/> BOTH
ANY EVIDENCE OF TAMPERING WITH THE WELL CASING OR CAP?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
ANY ODORS?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
IF YES, DESCRIBE ODOR:	<input type="checkbox"/> SOLVENT	<input type="checkbox"/> HYDROGEN SULFIDE/ROTTEN EGGS
	<input type="checkbox"/> PETROLEUM	<input type="checkbox"/> OTHER: _____
WERE PICTURES TAKEN?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO

COMMON DEFICIENCIES

COMMON DEFICIENCIES:	<input type="checkbox"/> MISSING LOCK	<input type="checkbox"/> RUSTY STICK-UP
	<input type="checkbox"/> RUSTY BOLLARDS	<input checked="" type="checkbox"/> MISSING BOLTS
		NUMBER OF BOLTS MISSING: <u>2</u>

ADDITIONAL NOTES OR COMMENTS ON CONDITION

New Lock installed

GENERAL CONDITION (CHECK ONE):

☒ GOOD

☐ MODERATE

☐ POOR



NAS Whidbey Island
Oak Harbor, WA
Naval Facilities Engineering Command Northwest

GROUNDWATER MONITORING WELL VISUAL INSPECTION CHECKLIST

DATE(S) (MM/DD/YY): <u>10/13/2021</u>	TIME (HH:MM): <u>1525</u>	WEATHER/TEMPERATURE: <u>Cloudy, 50°</u>
INSPECTOR(S): <u>Alex McLarney, Jeff Feltner</u>		COMPANY: <u>Liberty JV</u>
OU AND SITE: <u>FF-2, Site 30</u>	DESCRIPTION: <u>INDUSTRIAL</u>	
WELL ID: <u>MW-506</u>	NORTHING: <u>471312.556</u>	EASTING: <u>1204029.180</u>

INSPECTION CHECKLIST

MONITORING WELL LOCATED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
WELL CLEARLY LABELED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
MONUMENT IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF WELL CASING:	<input type="checkbox"/> STICK-UP	<input checked="" type="checkbox"/> FLUSH-MOUNT <input type="checkbox"/> OTHER:
SIZE & NUMBER OF BOLTS ON FLUSH-MOUNT LID: <u>0</u>		
SURROUNDING SURFACE MATERIAL:	<input type="checkbox"/> CONCRETE	<input type="checkbox"/> ASPHALT <input checked="" type="checkbox"/> SOIL
	<input type="checkbox"/> OTHER: _____	
CONCRETE APRON:	<input checked="" type="checkbox"/> NOT PRESENT	<input type="checkbox"/> SLOPING AWAY <input type="checkbox"/> SUNKEN
LID CONDITION (STICKUP WELL ONLY):	<input type="checkbox"/> INTACT AND LOCKABLE	<input type="checkbox"/> DAMAGED
NUMBER OF BOLLARDS: <u>0</u>		
BOLLARD CONDITION:	<input checked="" type="checkbox"/> NOT PRESENT	<input type="checkbox"/> STILL PLUMB <input type="checkbox"/> DAMAGED: _____
CASING DIAMETER:	<input checked="" type="checkbox"/> 2"	<input type="checkbox"/> 4" <input type="checkbox"/> 6"
	<input type="checkbox"/> 8"	<input type="checkbox"/> OTHER: _____
IS THE CASING IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
IS THERE A CAP ON THE MONITORING WELL?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF CAP:	<input type="checkbox"/> PVC SLIP CAP	<input checked="" type="checkbox"/> J-PLUG <input type="checkbox"/> EXPANSION
	<input type="checkbox"/> PRODUCTION W/TUBING	<input type="checkbox"/> OTHER: _____
LOCK MATERIAL:	<input checked="" type="checkbox"/> BRASS	<input type="checkbox"/> STAINLESS STEEL <input type="checkbox"/> OTHER: _____
LOCK SHANK LENGTH (estimated): <u>2 7/16</u> INCHES		
LOCK LOCATION:	<input checked="" type="checkbox"/> WELL CAP	<input type="checkbox"/> MONUMENT <input type="checkbox"/> BOTH
ANY EVIDENCE OF TAMPERING WITH THE WELL CASING OR CAP?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
ANY ODORS?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
IF YES, DESCRIBE ODOR:	<input type="checkbox"/> SOLVENT	<input type="checkbox"/> HYDROGEN SULFIDE/ROTTEN EGGS
	<input type="checkbox"/> PETROLEUM	<input type="checkbox"/> OTHER: _____
WERE PICTURES TAKEN?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO

COMMON DEFICIENCIES

COMMON DEFICIENCIES:	<input type="checkbox"/> MISSING LOCK	<input type="checkbox"/> RUSTY STICK-UP
	<input type="checkbox"/> RUSTY BOLLARDS	<input checked="" type="checkbox"/> MISSING BOLTS
		NUMBER OF BOLTS MISSING: <u>2</u>

ADDITIONAL NOTES OR COMMENTS ON CONDITION

New lock installed

GENERAL CONDITION (CHECK ONE): ☒ GOOD ☐ MODERATE ☐ POOR



NAS Whidbey Island
Oak Harbor, WA
Naval Facilities Engineering Command Northwest

GROUNDWATER MONITORING WELL VISUAL INSPECTION CHECKLIST

DATE(S) (MM/DD/YY): <u>10/13/2021</u>	TIME (HH:MM): <u>1510</u>	WEATHER/TEMPERATURE: <u>Cloudy, 50°</u>
INSPECTOR(S): <u>Alex McLanahan, Jeff Fetters</u>		COMPANY: <u>Liberty JV.</u>
OU AND SITE: <u>Site 35, FFF2</u>	DESCRIPTION: <u>Industrial</u>	
WELL ID: <u>MW-507</u>	NORTHING: <u>471296.849</u>	EASTING: <u>1204080.787</u>

INSPECTION CHECKLIST

MONITORING WELL LOCATED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
WELL CLEARLY LABELED?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
MONUMENT IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF WELL CASING:	<input type="checkbox"/> STICK-UP	<input checked="" type="checkbox"/> FLUSH-MOUNT <input type="checkbox"/> OTHER:
SIZE & NUMBER OF BOLTS ON FLUSH-MOUNT LID: <u>No bolts.</u>		
SURROUNDING SURFACE MATERIAL:	<input type="checkbox"/> CONCRETE	<input type="checkbox"/> ASPHALT <input checked="" type="checkbox"/> SOIL
CONCRETE APRON:	<input checked="" type="checkbox"/> NOT PRESENT	<input type="checkbox"/> SLOPING AWAY <input type="checkbox"/> SUNKEN
LID CONDITION (STICKUP WELL ONLY):	<input type="checkbox"/> INTACT AND LOCKABLE	<input type="checkbox"/> DAMAGED
NUMBER OF BOLLARDS:	<u>0</u>	
BOLLARD CONDITION:	<input checked="" type="checkbox"/> NOT PRESENT	<input type="checkbox"/> STILL PLUMB <input type="checkbox"/> DAMAGED: _____
CASING DIAMETER:	<input checked="" type="checkbox"/> 2"	<input type="checkbox"/> 4" <input type="checkbox"/> 6"
	<input type="checkbox"/> 8"	<input type="checkbox"/> OTHER: _____
IS THE CASING IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
IS THERE A CAP ON THE MONITORING WELL?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF CAP:	<input type="checkbox"/> PVC SLIP CAP	<input checked="" type="checkbox"/> J-PLUG <input type="checkbox"/> EXPANSION
	<input type="checkbox"/> PRODUCTION W/TUBING	<input type="checkbox"/> OTHER: _____
LOCK MATERIAL:	<input checked="" type="checkbox"/> BRASS	<input type="checkbox"/> STAINLESS STEEL <input type="checkbox"/> OTHER: _____
LOCK SHANK LENGTH (estimated):	<u>2 7/16</u> INCHES	
LOCK LOCATION:	<input checked="" type="checkbox"/> WELL CAP	<input type="checkbox"/> MONUMENT <input type="checkbox"/> BOTH
ANY EVIDENCE OF TAMPERING WITH THE WELL CASING OR CAP?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
ANY ODORS?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
IF YES, DESCRIBE ODOR:	<input type="checkbox"/> SOLVENT	<input type="checkbox"/> HYDROGEN SULFIDE/ROTTEN EGGS
	<input type="checkbox"/> PETROLEUM	<input type="checkbox"/> OTHER: _____
WERE PICTURES TAKEN?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO

COMMON DEFICIENCIES

COMMON DEFICIENCIES:	<input type="checkbox"/> MISSING LOCK	<input type="checkbox"/> RUSTY STICK-UP
	<input type="checkbox"/> RUSTY BOLLARDS	<input checked="" type="checkbox"/> MISSING BOLTS
		NUMBER OF BOLTS MISSING: <u>2</u>

ADDITIONAL NOTES OR COMMENTS ON CONDITION

New lock installed.

GENERAL CONDITION (CHECK ONE): ☒ GOOD ☐ MODERATE ☐ POOR



NAS Whidbey Island
Oak Harbor, WA
Naval Facilities Engineering Command Northwest

GROUNDWATER MONITORING WELL VISUAL INSPECTION CHECKLIST

DATE(S) (MM/DD/YY): <u>10/13/2021</u>	TIME (HH:MM): <u>1530</u>	WEATHER/TEMPERATURE: <u>Cloudy, 50°</u>
INSPECTOR(S): <u>Alex McCarthy, Jeff Fetter</u>		COMPANY: <u>Liberty JV</u>
OU AND SITE: <u>Site 35, FFF2</u>	DESCRIPTION: <u>Industrial</u>	
WELL ID: <u>MW-508</u>	NORTHING: <u>471357.431</u>	EASTING: <u>1204015.717</u>

INSPECTION CHECKLIST

MONITORING WELL LOCATED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
WELL CLEARLY LABELED?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
MONUMENT IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF WELL CASING:	<input type="checkbox"/> STICK-UP	<input checked="" type="checkbox"/> FLUSH-MOUNT <input type="checkbox"/> OTHER:
SIZE & NUMBER OF BOLTS ON FLUSH-MOUNT LID: <u>0</u>		
SURROUNDING SURFACE MATERIAL:	<input type="checkbox"/> CONCRETE	<input type="checkbox"/> ASPHALT <input checked="" type="checkbox"/> SOIL
	<input type="checkbox"/> OTHER: _____	
CONCRETE APRON:	<input checked="" type="checkbox"/> NOT PRESENT	<input type="checkbox"/> SLOPING AWAY <input type="checkbox"/> SUNKEN
LID CONDITION (STICKUP WELL ONLY):	<input type="checkbox"/> INTACT AND LOCKABLE	<input type="checkbox"/> DAMAGED
NUMBER OF BOLLARDS: <u>0</u>		
BOLLARD CONDITION:	<input checked="" type="checkbox"/> NOT PRESENT	<input type="checkbox"/> STILL PLUMB <input type="checkbox"/> DAMAGED: _____
CASING DIAMETER:	<input checked="" type="checkbox"/> 2" <input type="checkbox"/> 8"	<input type="checkbox"/> 4" <input type="checkbox"/> 6" <input type="checkbox"/> OTHER: _____
IS THE CASING IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
IS THERE A CAP ON THE MONITORING WELL?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF CAP:	<input type="checkbox"/> PVC SLIP CAP <input checked="" type="checkbox"/> J-PLUG <input type="checkbox"/> EXPANSION	<input type="checkbox"/> PRODUCTION W/TUBING <input type="checkbox"/> OTHER: _____
LOCK MATERIAL:	<input checked="" type="checkbox"/> BRASS	<input type="checkbox"/> STAINLESS STEEL <input type="checkbox"/> OTHER: _____
LOCK SHANK LENGTH (estimated): <u>2 7/16</u> INCHES		
LOCK LOCATION:	<input checked="" type="checkbox"/> WELL CAP	<input type="checkbox"/> MONUMENT <input type="checkbox"/> BOTH
ANY EVIDENCE OF TAMPERING WITH THE WELL CASING OR CAP?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
ANY ODORS?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
IF YES, DESCRIBE ODOR:	<input type="checkbox"/> SOLVENT <input type="checkbox"/> HYDROGEN SULFIDE/ROTTEN EGGS	<input type="checkbox"/> PETROLEUM <input type="checkbox"/> OTHER: _____
WERE PICTURES TAKEN?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO

COMMON DEFICIENCIES

COMMON DEFICIENCIES:	<input type="checkbox"/> MISSING LOCK	<input type="checkbox"/> RUSTY STICK-UP
	<input type="checkbox"/> RUSTY BOLLARDS	<input checked="" type="checkbox"/> MISSING BOLTS
		NUMBER OF BOLTS MISSING: <u>2</u>

ADDITIONAL NOTES OR COMMENTS ON CONDITION

New lock installed

GENERAL CONDITION (CHECK ONE): ☒ GOOD ☐ MODERATE ☐ POOR



NAS Whidbey Island
Oak Harbor, WA
Naval Facilities Engineering Command Northwest

GROUNDWATER MONITORING WELL VISUAL INSPECTION CHECKLIST

DATE(S) (MM/DD/YY): <u>10/13/2021</u>	TIME (HH:MM): <u>1545</u>	WEATHER/TEMPERATURE: <u>Cloudy, 58°</u>
INSPECTOR(S): <u>Alex McCarthy, Jeff Fetters</u>		COMPANY: <u>Liberty JV.</u>
OU AND SITE: <u>Site 35, FFF2</u>	DESCRIPTION: <u>INDUSTRIAL</u>	
WELL ID: <u>MW-716</u>	NORTHING: <u>471287.874</u>	EASTING: <u>1204150.345</u>

INSPECTION CHECKLIST

MONITORING WELL LOCATED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
WELL CLEARLY LABELED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
MONUMENT IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF WELL CASING:	<input type="checkbox"/> STICK-UP	<input type="checkbox"/> FLUSH-MOUNT <input checked="" type="checkbox"/> OTHER: <u>Sanitary</u>
SIZE & NUMBER OF BOLTS ON FLUSH-MOUNT LID:		
SURROUNDING SURFACE MATERIAL:	<input type="checkbox"/> CONCRETE	<input type="checkbox"/> ASPHALT <input checked="" type="checkbox"/> SOIL
CONCRETE APRON:	<input checked="" type="checkbox"/> NOT PRESENT	<input type="checkbox"/> SLOPING AWAY <input type="checkbox"/> SUNKEN
LID CONDITION (STICKUP WELL ONLY):	<input type="checkbox"/> INTACT AND LOCKABLE	<input type="checkbox"/> DAMAGED
NUMBER OF BOLLARDS:	<u>0</u>	
BOLLARD CONDITION:	<input checked="" type="checkbox"/> NOT PRESENT	<input type="checkbox"/> STILL PLUMB <input type="checkbox"/> DAMAGED: _____
CASING DIAMETER:	<input type="checkbox"/> 2" 8"	<input type="checkbox"/> 4" <input checked="" type="checkbox"/> 6" <input type="checkbox"/> OTHER: _____
IS THE CASING IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
IS THERE A CAP ON THE MONITORING WELL?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF CAP:	<input type="checkbox"/> PVC SLIP CAP <input checked="" type="checkbox"/> J-PLUG	<input type="checkbox"/> EXPANSION
	<input type="checkbox"/> PRODUCTION W/TUBING	<input type="checkbox"/> OTHER: _____
LOCK MATERIAL:	<input type="checkbox"/> BRASS	<input type="checkbox"/> STAINLESS STEEL <input type="checkbox"/> OTHER: _____
LOCK SHANK LENGTH (estimated):	<u>2 7/16</u> INCHES	
LOCK LOCATION:	<input checked="" type="checkbox"/> WELL CAP	<input type="checkbox"/> MONUMENT <input type="checkbox"/> BOTH
ANY EVIDENCE OF TAMPERING WITH THE WELL CASING OR CAP?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
ANY ODORS?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
IF YES, DESCRIBE ODOR:	<input type="checkbox"/> SOLVENT	<input type="checkbox"/> HYDROGEN SULFIDE/ROTTEN EGGS
	<input type="checkbox"/> PETROLEUM	<input type="checkbox"/> OTHER: _____
WERE PICTURES TAKEN?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO

COMMON DEFICIENCIES

COMMON DEFICIENCIES:	<input type="checkbox"/> MISSING LOCK	<input type="checkbox"/> RUSTY STICK-UP
	<input type="checkbox"/> RUSTY BOLLARDS	<input type="checkbox"/> MISSING BOLTS
	NUMBER OF BOLTS MISSING: _____	

ADDITIONAL NOTES OR COMMENTS ON CONDITION

New lock installed

GENERAL CONDITION (CHECK ONE): ☒ GOOD ☐ MODERATE ☐ POOR



NAS Whidbey Island
Oak Harbor, WA
Naval Facilities Engineering Command Northwest

GROUNDWATER MONITORING WELL VISUAL INSPECTION CHECKLIST

DATE(S) (MM/DD/YY): <u>10/13/2021</u>	TIME (HH:MM): <u>1538</u>	WEATHER/TEMPERATURE: <u>Cloudy, 50°</u>
INSPECTOR(S): <u>Alex McConkey, Jeff Fetters</u>		COMPANY: <u>Liberty JV</u>
OU AND SITE: <u>Site 35, FFF2</u>	DESCRIPTION: <u>INDUSTRIAL</u>	
WELL ID: <u>MW-717</u>	NORTHING: <u>471247.486</u>	EASTING: <u>1203982.061</u>

INSPECTION CHECKLIST

MONITORING WELL LOCATED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
WELL CLEARLY LABELED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
MONUMENT IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF WELL CASING:	<input type="checkbox"/> STICK-UP	<input type="checkbox"/> FLUSH-MOUNT <input checked="" type="checkbox"/> OTHER: <u>Vault</u>
SIZE & NUMBER OF BOLTS ON FLUSH-MOUNT LID:		
SURROUNDING SURFACE MATERIAL:	<input type="checkbox"/> CONCRETE	<input type="checkbox"/> ASPHALT <input checked="" type="checkbox"/> SOIL
	<input type="checkbox"/> OTHER: _____	
CONCRETE APRON:	<input checked="" type="checkbox"/> NOT PRESENT	<input type="checkbox"/> SLOPING AWAY <input type="checkbox"/> SUNKEN
LID CONDITION (STICKUP WELL ONLY):	<input type="checkbox"/> INTACT AND LOCKABLE	<input type="checkbox"/> DAMAGED
NUMBER OF BOLLARDS:	<u>0</u>	
BOLLARD CONDITION:	<input checked="" type="checkbox"/> NOT PRESENT	<input type="checkbox"/> STILL PLUMB <input type="checkbox"/> DAMAGED: _____
CASING DIAMETER:	<input type="checkbox"/> 2" <input type="checkbox"/> 4" <input type="checkbox"/> 8"	<input checked="" type="checkbox"/> 6"
IS THE CASING IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
IS THERE A CAP ON THE MONITORING WELL?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF CAP:	<input type="checkbox"/> PVC SLIP CAP <input checked="" type="checkbox"/> J-PLUG	<input type="checkbox"/> EXPANSION
	<input type="checkbox"/> PRODUCTION W/TUBING	<input type="checkbox"/> OTHER: _____
LOCK MATERIAL:	<input checked="" type="checkbox"/> BRASS	<input type="checkbox"/> STAINLESS STEEL <input type="checkbox"/> OTHER: _____
LOCK SHANK LENGTH (estimated):	<u>2 7/16</u> INCHES	
LOCK LOCATION:	<input checked="" type="checkbox"/> WELL CAP	<input type="checkbox"/> MONUMENT <input type="checkbox"/> BOTH
ANY EVIDENCE OF TAMPERING WITH THE WELL CASING OR CAP?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
ANY ODORS?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
IF YES, DESCRIBE ODOR:	<input type="checkbox"/> SOLVENT <input type="checkbox"/> HYDROGEN SULFIDE/ROTTEN EGGS	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> PETROLEUM	
WERE PICTURES TAKEN?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO

COMMON DEFICIENCIES

COMMON DEFICIENCIES:	<input type="checkbox"/> MISSING LOCK	<input type="checkbox"/> RUSTY STICK-UP
	<input type="checkbox"/> RUSTY BOLLARDS	<input type="checkbox"/> MISSING BOLTS
	NUMBER OF BOLTS MISSING: _____	

ADDITIONAL NOTES OR COMMENTS ON CONDITION

New Lock installed.

GENERAL CONDITION (CHECK ONE):	<input checked="" type="checkbox"/> GOOD	<input type="checkbox"/> MODERATE	<input type="checkbox"/> POOR
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NAS Whidbey Island
Oak Harbor, WA
Naval Facilities Engineering Command Northwest

GROUNDWATER MONITORING WELL VISUAL INSPECTION CHECKLIST

DATE(S) (MM/DD/YY): <u>10/16/2021</u>	TIME (HH:MM): <u>1112</u>	WEATHER/TEMPERATURE: <u>Cloudy 50°</u>
INSPECTOR(S): <u>Alex McConthay, Jeff Fetters</u>		COMPANY: <u>Liberty NV.</u>
OU AND SITE: <u>Pite 13, FFF 3</u>	DESCRIPTION: <u>Industrial</u>	
WELL ID: <u>MW-001</u>	NORTHING: <u>493167.280</u>	EASTING: <u>1194253.119</u>

INSPECTION CHECKLIST

MONITORING WELL LOCATED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
WELL CLEARLY LABELED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
MONUMENT IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF WELL CASING:	<input type="checkbox"/> STICK-UP	<input checked="" type="checkbox"/> FLUSH-MOUNT <input type="checkbox"/> OTHER:
SIZE & NUMBER OF BOLTS ON FLUSH-MOUNT LID: <u>2x 1/2 Hex Bolt</u>		
SURROUNDING SURFACE MATERIAL:	<input type="checkbox"/> CONCRETE	<input checked="" type="checkbox"/> ASPHALT <input type="checkbox"/> SOIL
	<input type="checkbox"/> OTHER: _____	
CONCRETE APRON:	<input checked="" type="checkbox"/> NOT PRESENT	<input type="checkbox"/> SLOPING AWAY <input type="checkbox"/> SUNKEN
LID CONDITION (STICKUP WELL ONLY):	<input type="checkbox"/> INTACT AND LOCKABLE	<input type="checkbox"/> DAMAGED
NUMBER OF BOLLARDS:	_____	
BOLLARD CONDITION:	<input type="checkbox"/> NOT PRESENT	<input type="checkbox"/> STILL PLUMB <input type="checkbox"/> DAMAGED: _____
CASING DIAMETER:	<input checked="" type="checkbox"/> 2" <input type="checkbox"/> 8"	<input type="checkbox"/> 4" <input type="checkbox"/> 6" <input type="checkbox"/> OTHER: _____
IS THE CASING IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
IS THERE A CAP ON THE MONITORING WELL?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF CAP:	<input checked="" type="checkbox"/> PVC SLIP CAP	<input type="checkbox"/> J-PLUG <input type="checkbox"/> EXPANSION
	<input type="checkbox"/> PRODUCTION W/TUBING	<input type="checkbox"/> OTHER: _____
LOCK MATERIAL: <u>None</u>	<input type="checkbox"/> BRASS	<input type="checkbox"/> STAINLESS STEEL <input type="checkbox"/> OTHER: _____
LOCK SHANK LENGTH (estimated): _____ INCHES		
LOCK LOCATION:	<input type="checkbox"/> WELL CAP	<input type="checkbox"/> MONUMENT <input type="checkbox"/> BOTH
ANY EVIDENCE OF TAMPERING WITH THE WELL CASING OR CAP?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
ANY ODORS?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
IF YES, DESCRIBE ODOR:	<input type="checkbox"/> SOLVENT	<input type="checkbox"/> HYDROGEN SULFIDE/ROTTEN EGGS
	<input type="checkbox"/> PETROLEUM	<input type="checkbox"/> OTHER: _____
WERE PICTURES TAKEN?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO

COMMON DEFICIENCIES

COMMON DEFICIENCIES:	<input type="checkbox"/> MISSING LOCK	<input type="checkbox"/> RUSTY STICK-UP
	<input type="checkbox"/> RUSTY BOLLARDS	<input type="checkbox"/> MISSING BOLTS
		NUMBER OF BOLTS MISSING: _____

ADDITIONAL NOTES OR COMMENTS ON CONDITION

Unable to install new lock on slip cap

GENERAL CONDITION (CHECK ONE): ☒ GOOD ☐ MODERATE ☐ POOR



NAS Whidbey Island
Oak Harbor, WA
Naval Facilities Engineering Command Northwest

GROUNDWATER MONITORING WELL VISUAL INSPECTION CHECKLIST

DATE(S) (MM/DD/YY): <u>10/16/2021</u>	TIME (HH:MM): <u>10:13</u>	WEATHER/TEMPERATURE: <u>Cloudy 50°</u>
INSPECTOR(S): <u>Alex McLouthy, Jeff Fettes</u>		COMPANY: <u>Liberty SV.</u>
OU AND SITE: <u>Site 13, FFF3</u>	DESCRIPTION: <u>INDUSTRIAL</u>	
WELL ID: <u>MW-002</u>	NORTHING: <u>493411.940</u>	EASTING: <u>1194579.332</u>

INSPECTION CHECKLIST

MONITORING WELL LOCATED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
WELL CLEARLY LABELED?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
MONUMENT IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF WELL CASING:	<input type="checkbox"/> STICK-UP	<input checked="" type="checkbox"/> FLUSH-MOUNT <input type="checkbox"/> OTHER:
SIZE & NUMBER OF BOLTS ON FLUSH-MOUNT LID: <u>2 x 9/16</u>		
SURROUNDING SURFACE MATERIAL:	<input type="checkbox"/> CONCRETE	<input checked="" type="checkbox"/> ASPHALT <input type="checkbox"/> SOIL
CONCRETE APRON:	<input type="checkbox"/> NOT PRESENT	<input checked="" type="checkbox"/> SLOPING AWAY <input type="checkbox"/> SUNKEN
LID CONDITION (STICKUP WELL ONLY):	<input type="checkbox"/> INTACT AND LOCKABLE	<input type="checkbox"/> DAMAGED
NUMBER OF BOLLARDS:		
BOLLARD CONDITION:	<input type="checkbox"/> NOT PRESENT	<input type="checkbox"/> STILL PLUMB <input type="checkbox"/> DAMAGED: _____
CASING DIAMETER:	<input checked="" type="checkbox"/> 2" <input type="checkbox"/> 8"	<input type="checkbox"/> 4" <input type="checkbox"/> 6" <input type="checkbox"/> OTHER: _____
IS THE CASING IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
IS THERE A CAP ON THE MONITORING WELL?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF CAP:	<input type="checkbox"/> PVC SLIP CAP	<input checked="" type="checkbox"/> J-PLUG <input type="checkbox"/> EXPANSION
	<input type="checkbox"/> PRODUCTION W/TUBING	<input type="checkbox"/> OTHER: _____
LOCK MATERIAL:	<input checked="" type="checkbox"/> BRASS	<input type="checkbox"/> STAINLESS STEEL <input type="checkbox"/> OTHER: _____
LOCK SHANK LENGTH (estimated): <u>0.5</u> INCHES		
LOCK LOCATION:	<input checked="" type="checkbox"/> WELL CAP	<input type="checkbox"/> MONUMENT <input type="checkbox"/> BOTH
ANY EVIDENCE OF TAMPERING WITH THE WELL CASING OR CAP?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
ANY ODORS?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
IF YES, DESCRIBE ODOR:	<input type="checkbox"/> SOLVENT	<input type="checkbox"/> HYDROGEN SULFIDE/ROTTEN EGGS
	<input type="checkbox"/> PETROLEUM	<input type="checkbox"/> OTHER: _____
WERE PICTURES TAKEN?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO

COMMON DEFICIENCIES

COMMON DEFICIENCIES:	<input type="checkbox"/> MISSING LOCK	<input type="checkbox"/> RUSTY STICK-UP
	<input type="checkbox"/> RUSTY BOLLARDS	<input checked="" type="checkbox"/> MISSING BOLTS
	NUMBER OF BOLTS MISSING: <u>2</u>	

ADDITIONAL NOTES OR COMMENTS ON CONDITION

Unable to install new lock, vault size does not accommodate shank length.

GENERAL CONDITION (CHECK ONE):

☒ GOOD

☐ MODERATE

☐ POOR



NAS Whidbey Island
Oak Harbor, WA
Naval Facilities Engineering Command Northwest

GROUNDWATER MONITORING WELL VISUAL INSPECTION CHECKLIST

DATE(S) (MM/DD/YY): <u>10/16/2021</u>	TIME (HH:MM): <u>1027</u>	WEATHER/TEMPERATURE: <u>Cloudy 50°</u>
INSPECTOR(S): <u>Alex McElroy, Jeff Fellers</u>		COMPANY: <u>Liberty JV</u>
OU AND SITE: <u>Site 10, FFF3</u>	DESCRIPTION: <u>Industrial</u>	
WELL ID: <u>MW-063</u>	NORTHING: <u>493243.143</u>	EASTING: <u>1194835.371</u>

INSPECTION CHECKLIST

MONITORING WELL LOCATED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
WELL CLEARLY LABELED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
MONUMENT IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF WELL CASING:	<input checked="" type="checkbox"/> STICK-UP	<input type="checkbox"/> FLUSH-MOUNT <input type="checkbox"/> OTHER:
SIZE & NUMBER OF BOLTS ON FLUSH-MOUNT LID:		
SURROUNDING SURFACE MATERIAL:	<input type="checkbox"/> CONCRETE	<input type="checkbox"/> ASPHALT <input checked="" type="checkbox"/> SOIL
	<input type="checkbox"/> OTHER: _____	
CONCRETE APRON:	<input type="checkbox"/> NOT PRESENT	<input checked="" type="checkbox"/> SLOPING AWAY <input type="checkbox"/> SUNKEN
LID CONDITION (STICKUP WELL ONLY):	<input type="checkbox"/> INTACT AND LOCKABLE	<input type="checkbox"/> DAMAGED
NUMBER OF BOLLARDS:	<u>0</u>	
BOLLARD CONDITION:	<input checked="" type="checkbox"/> NOT PRESENT	<input type="checkbox"/> STILL PLUMB <input type="checkbox"/> DAMAGED: _____
CASING DIAMETER:	<input checked="" type="checkbox"/> 2"	<input type="checkbox"/> 4" <input type="checkbox"/> 6"
	<input type="checkbox"/> 8"	<input type="checkbox"/> OTHER: _____
IS THE CASING IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
IS THERE A CAP ON THE MONITORING WELL?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF CAP:	<input checked="" type="checkbox"/> PVC SLIP CAP	<input type="checkbox"/> J-PLUG <input type="checkbox"/> EXPANSION
	<input type="checkbox"/> PRODUCTION W/TUBING	<input type="checkbox"/> OTHER: _____
LOCK MATERIAL:	<input checked="" type="checkbox"/> BRASS	<input type="checkbox"/> STAINLESS STEEL <input type="checkbox"/> OTHER: _____
LOCK SHANK LENGTH (estimated):	<u>2 7/16</u> INCHES	
LOCK LOCATION:	<input type="checkbox"/> WELL CAP	<input checked="" type="checkbox"/> MONUMENT <input type="checkbox"/> BOTH
ANY EVIDENCE OF TAMPERING WITH THE WELL CASING OR CAP?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
ANY ODORS?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
IF YES, DESCRIBE ODOR:	<input type="checkbox"/> SOLVENT	<input type="checkbox"/> HYDROGEN SULFIDE/ROTTEN EGGS
	<input type="checkbox"/> PETROLEUM	<input type="checkbox"/> OTHER: _____
WERE PICTURES TAKEN?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO

COMMON DEFICIENCIES

COMMON DEFICIENCIES:	<input type="checkbox"/> MISSING LOCK	<input type="checkbox"/> RUSTY STICK-UP
	<input type="checkbox"/> RUSTY BOLLARDS	<input type="checkbox"/> MISSING BOLTS
		NUMBER OF BOLTS MISSING: _____

ADDITIONAL NOTES OR COMMENTS ON CONDITION

New lock installed.
No bollards.

GENERAL CONDITION (CHECK ONE):

☒ GOOD

☐ MODERATE

☐ POOR



NAS Whidbey Island
Oak Harbor, WA
Naval Facilities Engineering Command Northwest

GROUNDWATER MONITORING WELL VISUAL INSPECTION CHECKLIST

DATE(S) (MM/DD/YY): <u>10/16/2021</u>	TIME (HH:MM): <u>834</u>	WEATHER/TEMPERATURE: <u>Cloudy 50°</u>
INSPECTOR(S): <u>Alex McCarthy, Jesse Feltner</u>		COMPANY: <u>Liberty JV</u>
OU AND SITE: <u>Site 13, FFF3</u>	DESCRIPTION: <u>IN PUMP ROOM</u>	
WELL ID: <u>MW-302</u>	NORTHING: <u>492774.686</u>	EASTING: <u>1194171.585</u>

INSPECTION CHECKLIST

MONITORING WELL LOCATED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
WELL CLEARLY LABELED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
MONUMENT IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF WELL CASING:	<input checked="" type="checkbox"/> STICK-UP	<input type="checkbox"/> FLUSH-MOUNT <input type="checkbox"/> OTHER:
SIZE & NUMBER OF BOLTS ON FLUSH-MOUNT LID:		
SURROUNDING SURFACE MATERIAL:	<input type="checkbox"/> CONCRETE	<input type="checkbox"/> ASPHALT <input checked="" type="checkbox"/> SOIL
	<input type="checkbox"/> OTHER: _____	
CONCRETE APRON:	<input type="checkbox"/> NOT PRESENT	<input checked="" type="checkbox"/> SLOPING AWAY <input type="checkbox"/> SUNKEN
LID CONDITION (STICKUP WELL ONLY):	<input checked="" type="checkbox"/> INTACT AND LOCKABLE	<input type="checkbox"/> DAMAGED
NUMBER OF BOLLARDS:	<u>3</u>	
BOLLARD CONDITION:	<input type="checkbox"/> NOT PRESENT	<input checked="" type="checkbox"/> STILL PLUMB <input type="checkbox"/> DAMAGED: _____
CASING DIAMETER:	<input checked="" type="checkbox"/> 2"	<input type="checkbox"/> 4" <input type="checkbox"/> 6"
	<input type="checkbox"/> 8"	<input type="checkbox"/> OTHER: _____
IS THE CASING IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
IS THERE A CAP ON THE MONITORING WELL?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF CAP:	<input type="checkbox"/> PVC SLIP CAP	<input checked="" type="checkbox"/> J-PLUG <input type="checkbox"/> EXPANSION
	<input type="checkbox"/> PRODUCTION W/TUBING	<input type="checkbox"/> OTHER: _____
LOCK MATERIAL:	<input checked="" type="checkbox"/> BRASS	<input type="checkbox"/> STAINLESS STEEL <input type="checkbox"/> OTHER: _____
LOCK SHANK LENGTH (estimated):	<u>2 7/16</u> INCHES	
LOCK LOCATION:	<input type="checkbox"/> WELL CAP	<input checked="" type="checkbox"/> MONUMENT <input type="checkbox"/> BOTH
ANY EVIDENCE OF TAMPERING WITH THE WELL CASING OR CAP?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
ANY ODORS?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
IF YES, DESCRIBE ODOR:	<input type="checkbox"/> SOLVENT	<input type="checkbox"/> HYDROGEN SULFIDE/ROTTEN EGGS
	<input type="checkbox"/> PETROLEUM	<input type="checkbox"/> OTHER: _____
WERE PICTURES TAKEN?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO

COMMON DEFICIENCIES

COMMON DEFICIENCIES:	<input type="checkbox"/> MISSING LOCK	<input type="checkbox"/> RUSTY STICK-UP
	<input type="checkbox"/> RUSTY BOLLARDS	<input type="checkbox"/> MISSING BOLTS
	NUMBER OF BOLTS MISSING: _____	

ADDITIONAL NOTES OR COMMENTS ON CONDITION

*New lock installed
lid newly installed shut*

GENERAL CONDITION (CHECK ONE):	<input checked="" type="checkbox"/> GOOD	<input type="checkbox"/> MODERATE	<input type="checkbox"/> POOR
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NAS Whidbey Island
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GROUNDWATER MONITORING WELL VISUAL INSPECTION CHECKLIST

DATE(S) (MM/DD/YY): <u>10/16/2021</u>	TIME (HH:MM): <u>900</u>	WEATHER/TEMPERATURE: <u>Cloudy 50°</u>
INSPECTOR(S): <u>Alex McCarthy, Jeff Fetters</u>		COMPANY: <u>Liberty JV</u>
LOCATION AND SITE: <u>Site 13, FFF3</u>	DESCRIPTION: <u>INDUSTRIAL</u>	
WELL ID: <u>MIA-303</u>	NORTHING: <u>492808.825</u>	EASTING: <u>1194574.848</u>

INSPECTION CHECKLIST

MONITORING WELL LOCATED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
WELL CLEARLY LABELED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO <u>on inside of monument cap</u>
MONUMENT IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF WELL CASING:	<input checked="" type="checkbox"/> STICK-UP	<input type="checkbox"/> FLUSH-MOUNT <input type="checkbox"/> OTHER:
SIZE & NUMBER OF BOLTS ON FLUSH-MOUNT LID:		
SURROUNDING SURFACE MATERIAL:	<input type="checkbox"/> CONCRETE	<input type="checkbox"/> ASPHALT <input checked="" type="checkbox"/> SOIL
CONCRETE APRON:	<input type="checkbox"/> OTHER: _____	
LID CONDITION (STICKUP WELL ONLY):	<input type="checkbox"/> NOT PRESENT	<input checked="" type="checkbox"/> SLOPING AWAY <input type="checkbox"/> SUNKEN
NUMBER OF BOLLARDS:	<input checked="" type="checkbox"/> INTACT AND LOCKABLE	<input type="checkbox"/> DAMAGED
BOLLARD CONDITION:	<u>3</u>	
CASING DIAMETER:	<input type="checkbox"/> 2" <input type="checkbox"/> 8"	<input checked="" type="checkbox"/> 4" <input type="checkbox"/> 6" <input type="checkbox"/> OTHER: _____
IS THE CASING IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
IS THERE A CAP ON THE MONITORING WELL?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF CAP:	<input checked="" type="checkbox"/> PVC SLIP CAP	<input type="checkbox"/> J-PLUG <input type="checkbox"/> EXPANSION
LOCK MATERIAL:	<input type="checkbox"/> PRODUCTION W/TUBING	<input type="checkbox"/> OTHER: _____
LOCK SHANK LENGTH (estimated):	<input checked="" type="checkbox"/> BRASS	<input type="checkbox"/> STAINLESS STEEL <input type="checkbox"/> OTHER: _____
LOCK LOCATION:	<u>2 7/16</u> INCHES	
ANY EVIDENCE OF TAMPERING WITH THE WELL CASING OR CAP?	<input type="checkbox"/> WELL CAP	<input checked="" type="checkbox"/> MONUMENT <input type="checkbox"/> BOTH
ANY ODORS?	<input type="checkbox"/> YES	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
IF YES, DESCRIBE ODOR:	<input type="checkbox"/> SOLVENT	<input type="checkbox"/> HYDROGEN SULFIDE/ROTTEN EGGS
WERE PICTURES TAKEN?	<input type="checkbox"/> PETROLEUM	<input type="checkbox"/> OTHER: _____
	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO

COMMON DEFICIENCIES

COMMON DEFICIENCIES:	<input type="checkbox"/> MISSING LOCK	<input type="checkbox"/> RUSTY STICK-UP
	<input type="checkbox"/> RUSTY BOLLARDS	<input type="checkbox"/> MISSING BOLTS
	NUMBER OF BOLTS MISSING: _____	

ADDITIONAL NOTES OR COMMENTS ON CONDITION

New lock installed

GENERAL CONDITION (CHECK ONE):

☒ GOOD

☐ MODERATE

☐ POOR



NAS Whidbey Island
Oak Harbor, WA
Naval Facilities Engineering Command Northwest

GROUNDWATER MONITORING WELL VISUAL INSPECTION CHECKLIST

DATE(S) (MM/DD/YY): <u>10/16/2021</u>	TIME (HH:MM): <u>9:42</u>	WEATHER/TEMPERATURE: <u>Cloudy 50°</u>
INSPECTOR(S): <u>Alex McPenthy, Jose Feltner</u>		COMPANY: <u>Liberty JV.</u>
OU AND SITE: <u>Site 10, FFB</u>	DESCRIPTION: <u>Industrial</u>	
WELL ID: <u>MW-305</u>	NORTHING: <u>493019.346</u>	EASTING: <u>1194490.192</u>

INSPECTION CHECKLIST

MONITORING WELL LOCATED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
WELL CLEARLY LABELED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
MONUMENT IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF WELL CASING:	<input checked="" type="checkbox"/> STICK-UP	<input type="checkbox"/> FLUSH-MOUNT <input type="checkbox"/> OTHER:
SIZE & NUMBER OF BOLTS ON FLUSH-MOUNT LID:		
SURROUNDING SURFACE MATERIAL:	<input type="checkbox"/> CONCRETE	<input type="checkbox"/> ASPHALT <input checked="" type="checkbox"/> SOIL
	<input type="checkbox"/> OTHER:	
CONCRETE APRON:	<input type="checkbox"/> NOT PRESENT	<input checked="" type="checkbox"/> SLOPING AWAY <input type="checkbox"/> SUNKEN
LID CONDITION (STICKUP WELL ONLY):	<input checked="" type="checkbox"/> INTACT AND LOCKABLE	<input type="checkbox"/> DAMAGED
NUMBER OF BOLLARDS:	<u>3</u>	
BOLLARD CONDITION:	<input type="checkbox"/> NOT PRESENT	<input checked="" type="checkbox"/> STILL PLUMB <input type="checkbox"/> DAMAGED: _____
CASING DIAMETER:	<input type="checkbox"/> 2" <input type="checkbox"/> 8"	<input checked="" type="checkbox"/> 4" <input type="checkbox"/> 6" <input type="checkbox"/> OTHER: _____
IS THE CASING IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
IS THERE A CAP ON THE MONITORING WELL?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF CAP:	<input type="checkbox"/> PVC SLIP CAP <input checked="" type="checkbox"/> J-PLUG	<input type="checkbox"/> EXPANSION
	<input type="checkbox"/> PRODUCTION W/TUBING	<input type="checkbox"/> OTHER: _____
LOCK MATERIAL:	<input checked="" type="checkbox"/> BRASS	<input type="checkbox"/> STAINLESS STEEL <input type="checkbox"/> OTHER: _____
LOCK SHANK LENGTH (estimated):	<u>2 7/16</u> INCHES	
LOCK LOCATION:	<input type="checkbox"/> WELL CAP <input checked="" type="checkbox"/> MONUMENT	<input type="checkbox"/> BOTH
ANY EVIDENCE OF TAMPERING WITH THE WELL CASING OR CAP?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
ANY ODORS?	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
IF YES, DESCRIBE ODOR:	<input type="checkbox"/> SOLVENT <input type="checkbox"/> HYDROGEN SULFIDE/ROTTEN EGGS	
	<input type="checkbox"/> PETROLEUM <input type="checkbox"/> OTHER: _____	
WERE PICTURES TAKEN?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO

COMMON DEFICIENCIES

COMMON DEFICIENCIES:	<input type="checkbox"/> MISSING LOCK	<input type="checkbox"/> RUSTY STICK-UP
	<input type="checkbox"/> RUSTY BOLLARDS	<input type="checkbox"/> MISSING BOLTS
	NUMBER OF BOLTS MISSING: _____	

ADDITIONAL NOTES OR COMMENTS ON CONDITION

New lock installed.

GENERAL CONDITION (CHECK ONE):

☒ GOOD

☐ MODERATE

☐ POOR



NAS Whidbey Island
Oak Harbor, WA
Naval Facilities Engineering Command Northwest

GROUNDWATER MONITORING WELL VISUAL INSPECTION CHECKLIST

DATE(S) (MM/DD/YY): <u>10/16/2021</u>	TIME (HH:MM): <u>1123</u>	WEATHER/TEMPERATURE: <u>Cloudy 50°</u>
INSPECTOR(S): <u>Alex McConthay, Jeff Fetter</u>		COMPANY: <u>Liberty JV.</u>
OU AND SITE: <u>Site 13, FFF3</u>	DESCRIPTION: <u>Industrial</u>	
WELL ID: <u>MW311</u>	NORTHING: <u>493317.110</u>	EASTING: <u>1194258.808.</u>

INSPECTION CHECKLIST

MONITORING WELL LOCATED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
WELL CLEARLY LABELED?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
MONUMENT IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF WELL CASING:	<input checked="" type="checkbox"/> STICK-UP	<input checked="" type="checkbox"/> FLUSH-MOUNT <input type="checkbox"/> OTHER:
SIZE & NUMBER OF BOLTS ON FLUSH-MOUNT LID:	<u>2 x 1/2 Hex</u>	
SURROUNDING SURFACE MATERIAL:	<input type="checkbox"/> CONCRETE	<input checked="" type="checkbox"/> ASPHALT <input type="checkbox"/> SOIL
	<input type="checkbox"/> OTHER: _____	
CONCRETE APRON:	<input checked="" type="checkbox"/> NOT PRESENT	<input type="checkbox"/> SLOPING AWAY <input type="checkbox"/> SUNKEN
LID CONDITION (STICKUP WELL ONLY):	<input type="checkbox"/> INTACT AND LOCKABLE	<input type="checkbox"/> DAMAGED
NUMBER OF BOLLARDS:	_____	
BOLLARD CONDITION:	<input type="checkbox"/> NOT PRESENT	<input type="checkbox"/> STILL PLUMB <input type="checkbox"/> DAMAGED: _____
CASING DIAMETER:	<input type="checkbox"/> 2" <input type="checkbox"/> 8"	<input checked="" type="checkbox"/> 4" <input type="checkbox"/> 6" <input type="checkbox"/> OTHER: _____
IS THE CASING IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
IS THERE A CAP ON THE MONITORING WELL?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF CAP:	<input type="checkbox"/> PVC SLIP CAP	<input checked="" type="checkbox"/> J-PLUG <input type="checkbox"/> EXPANSION
	<input type="checkbox"/> PRODUCTION W/TUBING	<input type="checkbox"/> OTHER: _____
LOCK MATERIAL:	<input checked="" type="checkbox"/> BRASS	<input type="checkbox"/> STAINLESS STEEL <input type="checkbox"/> OTHER: _____
LOCK SHANK LENGTH (estimated):	<u>2 7/16</u> INCHES	
LOCK LOCATION:	<input checked="" type="checkbox"/> WELL CAP	<input type="checkbox"/> MONUMENT <input type="checkbox"/> BOTH
ANY EVIDENCE OF TAMPERING WITH THE WELL CASING OR CAP?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
ANY ODORS?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
IF YES, DESCRIBE ODOR:	<input type="checkbox"/> SOLVENT	<input type="checkbox"/> HYDROGEN SULFIDE/ROTTEN EGGS
	<input type="checkbox"/> PETROLEUM	<input type="checkbox"/> OTHER: _____
WERE PICTURES TAKEN?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO

COMMON DEFICIENCIES

COMMON DEFICIENCIES:	<input type="checkbox"/> MISSING LOCK	<input type="checkbox"/> RUSTY STICK-UP
	<input type="checkbox"/> RUSTY BOLLARDS	<input type="checkbox"/> MISSING BOLTS
	NUMBER OF BOLTS MISSING: _____	

ADDITIONAL NOTES OR COMMENTS ON CONDITION

New lock installed.

GENERAL CONDITION (CHECK ONE): ☒ GOOD ☐ MODERATE ☐ POOR



NAS Whidbey Island
Oak Harbor, WA
Naval Facilities Engineering Command Northwest

GROUNDWATER MONITORING WELL VISUAL INSPECTION CHECKLIST

DATE(S) (MM/DD/YY): <u>10/16/2021</u>	TIME (HH:MM): <u>937</u>	WEATHER/TEMPERATURE: <u>Cloudy 50°</u>
INSPECTOR(S): <u>Alex McConthy, Jesse Fetter</u>		COMPANY: <u>Liberty JV</u>
OU AND SITE: <u>Site B, FFF3</u>	DESCRIPTION: <u>INDUSTRIAL</u>	
WELL ID: <u>MW 334</u>	NORTHING: <u>493000.380</u>	EASTING: <u>1194751.921</u>

INSPECTION CHECKLIST

MONITORING WELL LOCATED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
WELL CLEARLY LABELED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
MONUMENT IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF WELL CASING:	<input checked="" type="checkbox"/> STICK-UP	<input type="checkbox"/> FLUSH-MOUNT <input type="checkbox"/> OTHER:
SIZE & NUMBER OF BOLTS ON FLUSH-MOUNT LID:		
SURROUNDING SURFACE MATERIAL:	<input type="checkbox"/> CONCRETE <input type="checkbox"/> ASPHALT <input checked="" type="checkbox"/> SOIL	
CONCRETE APRON:	<input type="checkbox"/> OTHER: <u> </u>	
LID CONDITION (STICKUP WELL ONLY):	<input type="checkbox"/> NOT PRESENT <input checked="" type="checkbox"/> SLOPING AWAY <input type="checkbox"/> SUNKEN	
	<input checked="" type="checkbox"/> INTACT AND LOCKABLE <input type="checkbox"/> DAMAGED	
NUMBER OF BOLLARDS:	<u>3</u>	
BOLLARD CONDITION:	<input type="checkbox"/> NOT PRESENT <input checked="" type="checkbox"/> STILL PLUMB <input type="checkbox"/> DAMAGED: <u> </u>	
CASING DIAMETER:	<input type="checkbox"/> 2" <input checked="" type="checkbox"/> 4" <input type="checkbox"/> 6"	
	<input type="checkbox"/> 8" <input type="checkbox"/> OTHER: <u> </u>	
IS THE CASING IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	
IS THERE A CAP ON THE MONITORING WELL?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	
TYPE OF CAP:	<input type="checkbox"/> PVC SLIP CAP <input checked="" type="checkbox"/> J-PLUG <input type="checkbox"/> EXPANSION	
	<input type="checkbox"/> PRODUCTION W/TUBING <input type="checkbox"/> OTHER: <u> </u>	
LOCK MATERIAL:	<input checked="" type="checkbox"/> BRASS <input type="checkbox"/> STAINLESS STEEL <input type="checkbox"/> OTHER: <u> </u>	
LOCK SHANK LENGTH (estimated):	<u>2 7/16</u> INCHES	
LOCK LOCATION:	<input type="checkbox"/> WELL CAP <input checked="" type="checkbox"/> MONUMENT <input type="checkbox"/> BOTH	
ANY EVIDENCE OF TAMPERING WITH THE WELL CASING OR CAP?	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
ANY ODORS?	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
IF YES, DESCRIBE ODOR:	<input type="checkbox"/> SOLVENT <input type="checkbox"/> HYDROGEN SULFIDE/ROTTEN EGGS	
	<input type="checkbox"/> PETROLEUM <input type="checkbox"/> OTHER: <u> </u>	
WERE PICTURES TAKEN?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	

COMMON DEFICIENCIES

COMMON DEFICIENCIES:	<input type="checkbox"/> MISSING LOCK <input type="checkbox"/> RUSTY STICK-UP
	<input type="checkbox"/> RUSTY BOLLARDS <input type="checkbox"/> MISSING BOLTS
	NUMBER OF BOLTS MISSING: <u> </u>

ADDITIONAL NOTES OR COMMENTS ON CONDITION

New lock installed

GENERAL CONDITION (CHECK ONE): ☒ GOOD ☐ MODERATE ☐ POOR



NAS Whidbey Island
Oak Harbor, WA
Naval Facilities Engineering Command Northwest

GROUNDWATER MONITORING WELL VISUAL INSPECTION CHECKLIST

DATE(S) (MM/DD/YY): <u>10/16/2021</u>	TIME (HH:MM): <u>9:49</u>	WEATHER/TEMPERATURE: <u>Cloudy 50°</u>
INSPECTOR(S): <u>Alex McEntaney, Jeff Tetters</u>	COMPANY: <u>Liberty JV.</u>	
LOCATION AND SITE: <u>Site 13, FFF3</u>	DESCRIPTION: <u>INDUSTRIAL</u>	
WELL ID: <u>MW-335</u>	NORTHING: <u>493017.480</u>	EASTING: <u>1194205.704</u>

INSPECTION CHECKLIST

MONITORING WELL LOCATED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
WELL CLEARLY LABELED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
MONUMENT IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF WELL CASING:	<input checked="" type="checkbox"/> STICK-UP	<input type="checkbox"/> FLUSH-MOUNT <input type="checkbox"/> OTHER:
SIZE & NUMBER OF BOLTS ON FLUSH-MOUNT LID:		
SURROUNDING SURFACE MATERIAL:	<input type="checkbox"/> CONCRETE	<input type="checkbox"/> ASPHALT <input checked="" type="checkbox"/> SOIL
CONCRETE APRON:	<input type="checkbox"/> NOT PRESENT	<input type="checkbox"/> SLOPING AWAY <input type="checkbox"/> SUNKEN
LID CONDITION (STICKUP WELL ONLY):	<input checked="" type="checkbox"/> INTACT AND LOCKABLE	<input type="checkbox"/> DAMAGED
NUMBER OF BOLLARDS:	<u>3</u>	
BOLLARD CONDITION:	<input type="checkbox"/> NOT PRESENT	<input checked="" type="checkbox"/> STILL PLUMB <input type="checkbox"/> DAMAGED: _____
CASING DIAMETER:	<input type="checkbox"/> 2" <input type="checkbox"/> 8"	<input checked="" type="checkbox"/> 4" <input type="checkbox"/> 6" <input type="checkbox"/> OTHER: _____
IS THE CASING IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
IS THERE A CAP ON THE MONITORING WELL?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF CAP:	<input type="checkbox"/> PVC SLIP CAP <input type="checkbox"/> PRODUCTION W/TUBING	<input checked="" type="checkbox"/> J-PLUG <input type="checkbox"/> EXPANSION <input type="checkbox"/> OTHER: _____
LOCK MATERIAL:	<input checked="" type="checkbox"/> BRASS	<input type="checkbox"/> STAINLESS STEEL <input type="checkbox"/> OTHER: _____
LOCK SHANK LENGTH (estimated):	<u>2 7/16</u> INCHES	
LOCK LOCATION:	<input type="checkbox"/> WELL CAP	<input checked="" type="checkbox"/> MONUMENT <input type="checkbox"/> BOTH
ANY EVIDENCE OF TAMPERING WITH THE WELL CASING OR CAP?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
ANY ODORS?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
IF YES, DESCRIBE ODOR:	<input type="checkbox"/> SOLVENT <input type="checkbox"/> PETROLEUM	<input type="checkbox"/> HYDROGEN SULFIDE/ROTTEN EGGS <input type="checkbox"/> OTHER: _____
WERE PICTURES TAKEN?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO

COMMON DEFICIENCIES

COMMON DEFICIENCIES:	<input type="checkbox"/> MISSING LOCK <input type="checkbox"/> RUSTY BOLLARDS	<input type="checkbox"/> RUSTY STICK-UP <input type="checkbox"/> MISSING BOLTS
	NUMBER OF BOLTS MISSING: _____	

ADDITIONAL NOTES OR COMMENTS ON CONDITION

*Ground surface around well has been filled in - well still accessible
Lid nearly metal shut*

GENERAL CONDITION (CHECK ONE):	<input checked="" type="checkbox"/> GOOD	<input type="checkbox"/> MODERATE	<input type="checkbox"/> POOR
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**NAS Whidbey Island
Oak Harbor, WA
Naval Facilities Engineering Command Northwest**

GROUNDWATER MONITORING WELL VISUAL INSPECTION CHECKLIST

DATE(S) (MM/DD/YY): <u>10/16/2021</u>	TIME (HH:MM): <u>1133</u>	WEATHER/TEMPERATURE: <u>Cloudy 58°</u>
INSPECTOR(S): <u>Alex McConthy, Jesse Fellers</u>		COMPANY: <u>Liberty SV</u>
OU AND SITE: <u>Site 13, FFF3</u>	DESCRIPTION: <u>Industrial</u>	
WELL ID: <u>MW-380</u>	NORTHING: <u>493269.696</u>	EASTING: <u>1194385.880</u>

INSPECTION CHECKLIST

MONITORING WELL LOCATED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
WELL CLEARLY LABELED?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
MONUMENT IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF WELL CASING:	<input checked="" type="checkbox"/> STICK-UP	<input checked="" type="checkbox"/> FLUSH-MOUNT <input type="checkbox"/> OTHER:
SIZE & NUMBER OF BOLTS ON FLUSH-MOUNT LID:	<u>2 x 1/2 Hex</u>	
SURROUNDING SURFACE MATERIAL:	<input type="checkbox"/> CONCRETE	<input type="checkbox"/> ASPHALT <input checked="" type="checkbox"/> SOIL <u>gravel</u>
	<input type="checkbox"/> OTHER: _____	
CONCRETE APRON:	<input checked="" type="checkbox"/> NOT PRESENT	<input type="checkbox"/> SLOPING AWAY <input type="checkbox"/> SUNKEN
LID CONDITION (STICKUP WELL ONLY):	<input type="checkbox"/> INTACT AND LOCKABLE	<input type="checkbox"/> DAMAGED
NUMBER OF BOLLARDS:	_____	
BOLLARD CONDITION:	<input type="checkbox"/> NOT PRESENT	<input type="checkbox"/> STILL PLUMB <input type="checkbox"/> DAMAGED: _____
CASING DIAMETER:	<input checked="" type="checkbox"/> 2" <input type="checkbox"/> 8"	<input type="checkbox"/> 4" <input type="checkbox"/> 6" <input type="checkbox"/> OTHER: _____
IS THE CASING IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
IS THERE A CAP ON THE MONITORING WELL?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF CAP:	<input type="checkbox"/> -PVC SLIP CAP <input type="checkbox"/> PRODUCTION W/TUBING	<input checked="" type="checkbox"/> J-PLUG <input type="checkbox"/> EXPANSION <input type="checkbox"/> OTHER: _____
LOCK MATERIAL: <u>None</u>	<input type="checkbox"/> BRASS	<input type="checkbox"/> STAINLESS STEEL <input type="checkbox"/> OTHER: _____
LOCK SHANK LENGTH (estimated):	_____ INCHES	
LOCK LOCATION:	<input type="checkbox"/> WELL CAP	<input type="checkbox"/> MONUMENT <input type="checkbox"/> BOTH
ANY EVIDENCE OF TAMPERING WITH THE WELL CASING OR CAP?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
ANY ODORS?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
IF YES, DESCRIBE ODOR:	<input type="checkbox"/> SOLVENT <input type="checkbox"/> PETROLEUM	<input type="checkbox"/> HYDROGEN SULFIDE/ROTTEN EGGS <input type="checkbox"/> OTHER: _____
WERE PICTURES TAKEN?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO

COMMON DEFICIENCIES

COMMON DEFICIENCIES:	<input type="checkbox"/> MISSING LOCK	<input type="checkbox"/> RUSTY STICK-UP
	<input type="checkbox"/> RUSTY BOLLARDS	<input type="checkbox"/> MISSING BOLTS
	NUMBER OF BOLTS MISSING: _____	

ADDITIONAL NOTES OR COMMENTS ON CONDITION

*Flush mount cover is not affixed, moved around in well casing.
Unable to install new lock*

GENERAL CONDITION (CHECK ONE): ☒ GOOD ☐ MODERATE ☐ POOR



NAS Whidbey Island
Oak Harbor, WA
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GROUNDWATER MONITORING WELL VISUAL INSPECTION CHECKLIST

DATE(S) (MM/DD/YY): <u>10/16/2021</u>	TIME (HH:MM): <u>1139</u>	WEATHER/TEMPERATURE: <u>Cloudy 50°</u>
INSPECTOR(S): <u>Alex McConthy, Jeff Fetters</u>		COMPANY: <u>Liberty JV.</u>
LOCATION AND SITE: <u>Site 16, FFFJ</u>	DESCRIPTION: <u>INDUSTRIAL</u>	
WELL ID: <u>MW-357</u>	NORTHING: <u>493226.074</u>	EASTING: <u>1194488.296</u>

INSPECTION CHECKLIST

MONITORING WELL LOCATED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
WELL CLEARLY LABELED?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
MONUMENT IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF WELL CASING:	<input checked="" type="checkbox"/> STICK-UP	<input checked="" type="checkbox"/> FLUSH-MOUNT <input type="checkbox"/> OTHER:
SIZE & NUMBER OF BOLTS ON FLUSH-MOUNT LID:	<u>2 x 1/2 Hex</u>	
SURROUNDING SURFACE MATERIAL:	<input type="checkbox"/> CONCRETE <input type="checkbox"/> ASPHALT <input checked="" type="checkbox"/> SOIL - gravel	
	<input type="checkbox"/> OTHER: _____	
CONCRETE APRON:	<input checked="" type="checkbox"/> NOT PRESENT	<input type="checkbox"/> SLOPING AWAY <input type="checkbox"/> SUNKEN
LID CONDITION (STICKUP WELL ONLY):	<input type="checkbox"/> INTACT AND LOCKABLE	<input type="checkbox"/> DAMAGED
NUMBER OF BOLLARDS:	_____	
BOLLARD CONDITION:	<input type="checkbox"/> NOT PRESENT	<input type="checkbox"/> STILL PLUMB <input type="checkbox"/> DAMAGED: _____
CASING DIAMETER:	<input checked="" type="checkbox"/> 2" <input type="checkbox"/> 4" <input type="checkbox"/> 6" <input type="checkbox"/> 8"	<input type="checkbox"/> OTHER: _____
IS THE CASING IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
IS THERE A CAP ON THE MONITORING WELL?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF CAP:	<input type="checkbox"/> PVC SLIP CAP <input type="checkbox"/> PRODUCTION W/TUBING	<input checked="" type="checkbox"/> J-PLUG <input type="checkbox"/> EXPANSION
	<input type="checkbox"/> OTHER: _____	
LOCK MATERIAL:	<input checked="" type="checkbox"/> BRASS	<input type="checkbox"/> STAINLESS STEEL <input type="checkbox"/> OTHER: _____
LOCK SHANK LENGTH (estimated):	<u>2 3/16</u> INCHES	
LOCK LOCATION:	<input type="checkbox"/> WELL CAP	<input checked="" type="checkbox"/> MONUMENT <input type="checkbox"/> BOTH
ANY EVIDENCE OF TAMPERING WITH THE WELL CASING OR CAP?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
ANY ODORS?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
IF YES, DESCRIBE ODOR:	<input type="checkbox"/> SOLVENT <input type="checkbox"/> PETROLEUM	<input type="checkbox"/> HYDROGEN SULFIDE/ROTTEN EGGS <input type="checkbox"/> OTHER: _____
WERE PICTURES TAKEN?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO

COMMON DEFICIENCIES

COMMON DEFICIENCIES:	<input type="checkbox"/> MISSING LOCK <input type="checkbox"/> RUSTY STICK-UP
	<input type="checkbox"/> RUSTY BOLLARDS <input type="checkbox"/> MISSING BOLTS
	NUMBER OF BOLTS MISSING: _____

ADDITIONAL NOTES OR COMMENTS ON CONDITION

New lock installed on monument within flush mount casing.

GENERAL CONDITION (CHECK ONE): ☒ GOOD ☐ MODERATE ☐ POOR



NAS Whidbey Island
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GROUNDWATER MONITORING WELL VISUAL INSPECTION CHECKLIST

DATE(S) (MM/DD/YY): <u>10/16/2021</u>	TIME (HH:MM): <u>1012</u>	WEATHER/TEMPERATURE: <u>Cloudy 50°</u>
INSPECTOR(S): <u>Alex McLarty, Jeff Fether</u>		COMPANY: <u>Liberty JV.</u>
LOCATION AND SITE: <u>Site 13, FFF3</u>	DESCRIPTION: <u>Indium</u>	
WELL ID: <u>MW-352</u>	NORTHING: <u>493197.625</u>	EASTING: <u>1194632.436</u>

INSPECTION CHECKLIST

MONITORING WELL LOCATED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
WELL CLEARLY LABELED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
MONUMENT IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF WELL CASING:	<input checked="" type="checkbox"/> STICK-UP	<input type="checkbox"/> FLUSH-MOUNT <input type="checkbox"/> OTHER:
SIZE & NUMBER OF BOLTS ON FLUSH-MOUNT LID:		
SURROUNDING SURFACE MATERIAL:	<input type="checkbox"/> CONCRETE	<input type="checkbox"/> ASPHALT <input checked="" type="checkbox"/> SOIL
	<input type="checkbox"/> OTHER: _____	
CONCRETE APRON:	<input type="checkbox"/> NOT PRESENT	<input checked="" type="checkbox"/> SLOPING AWAY <input type="checkbox"/> SUNKEN
LID CONDITION (STICKUP WELL ONLY):	<input checked="" type="checkbox"/> INTACT AND LOCKABLE	<input type="checkbox"/> DAMAGED
NUMBER OF BOLLARDS:	<u>3</u>	
BOLLARD CONDITION:	<input type="checkbox"/> NOT PRESENT	<input checked="" type="checkbox"/> STILL PLUMB <input type="checkbox"/> DAMAGED: _____
CASING DIAMETER:	<input checked="" type="checkbox"/> 2" <input type="checkbox"/> 8"	<input type="checkbox"/> 4" <input type="checkbox"/> 6" <input type="checkbox"/> OTHER: _____
IS THE CASING IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
IS THERE A CAP ON THE MONITORING WELL?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF CAP:	<input type="checkbox"/> PVC SLIP CAP <input checked="" type="checkbox"/> J-PLUG <input type="checkbox"/> EXPANSION	<input type="checkbox"/> PRODUCTION W/TUBING <input type="checkbox"/> OTHER: _____
LOCK MATERIAL:	<input checked="" type="checkbox"/> BRASS	<input type="checkbox"/> STAINLESS STEEL <input type="checkbox"/> OTHER: _____
LOCK SHANK LENGTH (estimated):	<u>2 7/16</u> INCHES	
LOCK LOCATION:	<input type="checkbox"/> WELL CAP <input checked="" type="checkbox"/> MONUMENT <input type="checkbox"/> BOTH	
ANY EVIDENCE OF TAMPERING WITH THE WELL CASING OR CAP?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
ANY ODORS?	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
IF YES, DESCRIBE ODOR:	<input type="checkbox"/> SOLVENT <input type="checkbox"/> HYDROGEN SULFIDE/ROTTEN EGGS	<input type="checkbox"/> PETROLEUM <input type="checkbox"/> OTHER: _____
WERE PICTURES TAKEN?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO

COMMON DEFICIENCIES

COMMON DEFICIENCIES:	<input type="checkbox"/> MISSING LOCK	<input type="checkbox"/> RUSTY STICK-UP
	<input type="checkbox"/> RUSTY BOLLARDS	<input type="checkbox"/> MISSING BOLTS
	NUMBER OF BOLTS MISSING: _____	

ADDITIONAL NOTES OR COMMENTS ON CONDITION

New lock installed

GENERAL CONDITION (CHECK ONE): ☒ GOOD ☐ MODERATE ☐ POOR



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GROUNDWATER MONITORING WELL VISUAL INSPECTION CHECKLIST

DATE(S) (MM/DD/YY): <u>10/16/2021</u>	TIME (HH:MM): <u>1019</u>	WEATHER/TEMPERATURE: <u>Cloudy 50°</u>
INSPECTOR(S): <u>Alex McConthy, Jeff Fettes</u>		COMPANY: <u>Liberty JV</u>
OU AND SITE: <u>Site 13, FFF3</u>	DESCRIPTION: <u>INDUSTRIAL</u>	
WELL ID: <u>MW-353</u>	NORTHING: <u>493209.005</u>	EASTING: <u>1194740.572</u>

INSPECTION CHECKLIST

MONITORING WELL LOCATED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
WELL CLEARLY LABELED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO inside of monument
MONUMENT IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF WELL CASING:	<input checked="" type="checkbox"/> STICK-UP	<input type="checkbox"/> FLUSH-MOUNT <input type="checkbox"/> OTHER:
SIZE & NUMBER OF BOLTS ON FLUSH-MOUNT LID:		
SURROUNDING SURFACE MATERIAL:	<input type="checkbox"/> CONCRETE	<input type="checkbox"/> ASPHALT <input checked="" type="checkbox"/> SOIL
	<input type="checkbox"/> OTHER: _____	
CONCRETE APRON:	<input type="checkbox"/> NOT PRESENT	<input checked="" type="checkbox"/> SLOPING AWAY <input type="checkbox"/> SUNKEN
LID CONDITION (STICKUP WELL ONLY):	<input checked="" type="checkbox"/> INTACT AND LOCKABLE	<input type="checkbox"/> DAMAGED
NUMBER OF BOLLARDS:	<u>3</u>	
BOLLARD CONDITION:	<input type="checkbox"/> NOT PRESENT	<input checked="" type="checkbox"/> STILL PLUMB <input type="checkbox"/> DAMAGED: _____
CASING DIAMETER:	<input checked="" type="checkbox"/> 2"	<input type="checkbox"/> 4" <input type="checkbox"/> 6"
	<input type="checkbox"/> 8"	<input type="checkbox"/> OTHER: _____
IS THE CASING IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
IS THERE A CAP ON THE MONITORING WELL?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF CAP:	<input type="checkbox"/> PVC SLIP CAP	<input checked="" type="checkbox"/> J-PLUG <input type="checkbox"/> EXPANSION
	<input type="checkbox"/> PRODUCTION W/TUBING	<input type="checkbox"/> OTHER: _____
LOCK MATERIAL:	<input checked="" type="checkbox"/> BRASS	<input type="checkbox"/> STAINLESS STEEL <input type="checkbox"/> OTHER: _____
LOCK SHANK LENGTH (estimated):	<u>2 3/16</u> INCHES	
LOCK LOCATION:	<input type="checkbox"/> WELL CAP	<input checked="" type="checkbox"/> MONUMENT <input type="checkbox"/> BOTH
ANY EVIDENCE OF TAMPERING WITH THE WELL CASING OR CAP?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
ANY ODORS?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
IF YES, DESCRIBE ODOR:	<input type="checkbox"/> SOLVENT	<input type="checkbox"/> HYDROGEN SULFIDE/ROTTEN EGGS
	<input type="checkbox"/> PETROLEUM	<input type="checkbox"/> OTHER: _____
WERE PICTURES TAKEN?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO

COMMON DEFICIENCIES

COMMON DEFICIENCIES:	<input type="checkbox"/> MISSING LOCK	<input type="checkbox"/> RUSTY STICK-UP
	<input type="checkbox"/> RUSTY BOLLARDS	<input type="checkbox"/> MISSING BOLTS
		NUMBER OF BOLTS MISSING: _____

ADDITIONAL NOTES OR COMMENTS ON CONDITION

New lock installed.

GENERAL CONDITION (CHECK ONE): ☒ GOOD ☐ MODERATE ☐ POOR



NAS Whidbey Island
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GROUNDWATER MONITORING WELL VISUAL INSPECTION CHECKLIST

DATE(S) (MM/DD/YY): <u>10/16/2021</u>	TIME (HH:MM): <u>1024</u>	WEATHER/TEMPERATURE: <u>Cloudy 50°</u>
INSPECTOR(S): <u>Alex McCarthy, Jeff Feltus</u>		COMPANY: <u>Liberty JV.</u>
OU AND SITE: <u>Site 13, FFF3</u>	DESCRIPTION: <u>INDUSTRIAL</u>	
WELL ID: <u>MW-354</u>	NORTHING: <u>493163-187</u>	EASTING: <u>1194911-239</u>

INSPECTION CHECKLIST

MONITORING WELL LOCATED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
WELL CLEARLY LABELED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO on inside of monument
MONUMENT IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF WELL CASING:	<input checked="" type="checkbox"/> STICK-UP	<input type="checkbox"/> FLUSH-MOUNT <input type="checkbox"/> OTHER:
SIZE & NUMBER OF BOLTS ON FLUSH-MOUNT LID:		
SURROUNDING SURFACE MATERIAL:	<input type="checkbox"/> CONCRETE	<input type="checkbox"/> ASPHALT <input checked="" type="checkbox"/> SOIL
CONCRETE APRON:	<input type="checkbox"/> OTHER: _____	
LID CONDITION (STICKUP WELL ONLY):	<input type="checkbox"/> NOT PRESENT	<input checked="" type="checkbox"/> SLOPING AWAY <input type="checkbox"/> SUNKEN
NUMBER OF BOLLARDS:	<u>3</u>	<input type="checkbox"/> DAMAGED: _____
BOLLARD CONDITION:	<input type="checkbox"/> NOT PRESENT	<input checked="" type="checkbox"/> STILL PLUMB
CASING DIAMETER:	<input checked="" type="checkbox"/> 2"	<input type="checkbox"/> 4" <input type="checkbox"/> 6" <input type="checkbox"/> OTHER: _____
IS THE CASING IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
IS THERE A CAP ON THE MONITORING WELL?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF CAP:	<input type="checkbox"/> PVC SLIP CAP	<input checked="" type="checkbox"/> J-PLUG <input type="checkbox"/> EXPANSION
	<input type="checkbox"/> PRODUCTION W/TUBING	<input type="checkbox"/> OTHER: _____
LOCK MATERIAL:	<input checked="" type="checkbox"/> BRASS	<input type="checkbox"/> STAINLESS STEEL <input type="checkbox"/> OTHER: _____
LOCK SHANK LENGTH (estimated):	<u>2 7/16</u> INCHES	
LOCK LOCATION:	<input type="checkbox"/> WELL CAP	<input checked="" type="checkbox"/> MONUMENT <input type="checkbox"/> BOTH
ANY EVIDENCE OF TAMPERING WITH THE WELL CASING OR CAP?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
ANY ODORS?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
IF YES, DESCRIBE ODOR:	<input type="checkbox"/> SOLVENT	<input type="checkbox"/> HYDROGEN SULFIDE/ROTTEN EGGS
	<input type="checkbox"/> PETROLEUM	<input type="checkbox"/> OTHER: _____
WERE PICTURES TAKEN?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO

COMMON DEFICIENCIES

COMMON DEFICIENCIES:	<input type="checkbox"/> MISSING LOCK	<input type="checkbox"/> RUSTY STICK-UP
	<input type="checkbox"/> RUSTY BOLLARDS	<input type="checkbox"/> MISSING BOLTS
	NUMBER OF BOLTS MISSING: _____	

ADDITIONAL NOTES OR COMMENTS ON CONDITION

*New lock installed
lid rusted shut*

GENERAL CONDITION (CHECK ONE): ☒ GOOD ☐ MODERATE ☐ POOR



NAS Whidbey Island
Oak Harbor, WA
Naval Facilities Engineering Command Northwest

GROUNDWATER MONITORING WELL VISUAL INSPECTION CHECKLIST

DATE(S) (MM/DD/YY): <u>10/16/2021</u>	TIME (HH:MM): <u>928</u>	WEATHER/TEMPERATURE: <u>Cloudy 50°</u>
INSPECTOR(S): <u>Alex McEnty, Jeff Fettes</u>		COMPANY: <u>Liberty JV</u>
OU AND SITE: <u>Site 13, FFF3</u>	DESCRIPTION: <u>Industrial</u>	
WELL ID: <u>MW-355</u>	NORTHING: <u>493058.581</u>	EASTING: <u>1194941.580</u>

INSPECTION CHECKLIST

MONITORING WELL LOCATED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
WELL CLEARLY LABELED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
MONUMENT IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF WELL CASING:	<input checked="" type="checkbox"/> STICK-UP	<input type="checkbox"/> FLUSH-MOUNT <input type="checkbox"/> OTHER:
SIZE & NUMBER OF BOLTS ON FLUSH-MOUNT LID:		
SURROUNDING SURFACE MATERIAL:	<input type="checkbox"/> CONCRETE	<input type="checkbox"/> ASPHALT <input checked="" type="checkbox"/> SOIL
	<input type="checkbox"/> OTHER: _____	
CONCRETE APRON:	<input type="checkbox"/> NOT PRESENT	<input checked="" type="checkbox"/> SLOPING AWAY <input type="checkbox"/> SUNKEN
LID CONDITION (STICKUP WELL ONLY):	<input checked="" type="checkbox"/> INTACT AND LOCKABLE	<input type="checkbox"/> DAMAGED
NUMBER OF BOLLARDS:	<u>3</u>	
BOLLARD CONDITION:	<input type="checkbox"/> NOT PRESENT	<input checked="" type="checkbox"/> STILL PLUMB <input type="checkbox"/> DAMAGED: _____
CASING DIAMETER:	<input checked="" type="checkbox"/> 2"	<input type="checkbox"/> 4" <input type="checkbox"/> 6"
	<input type="checkbox"/> 8"	<input type="checkbox"/> OTHER: _____
IS THE CASING IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
IS THERE A CAP ON THE MONITORING WELL?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF CAP:	<input type="checkbox"/> PVC SLIP CAP	<input checked="" type="checkbox"/> J-PLUG <input type="checkbox"/> EXPANSION
	<input type="checkbox"/> PRODUCTION W/TUBING	<input type="checkbox"/> OTHER: _____
LOCK MATERIAL:	<input checked="" type="checkbox"/> BRASS	<input type="checkbox"/> STAINLESS STEEL <input type="checkbox"/> OTHER: _____
LOCK SHANK LENGTH (estimated):	<u>2 7/16</u> INCHES	
LOCK LOCATION:	<input type="checkbox"/> WELL CAP	<input checked="" type="checkbox"/> MONUMENT <input type="checkbox"/> BOTH
ANY EVIDENCE OF TAMPERING WITH THE WELL CASING OR CAP?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
ANY ODORS?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
IF YES, DESCRIBE ODOR:	<input type="checkbox"/> SOLVENT	<input type="checkbox"/> HYDROGEN SULFIDE/ROTTEN EGGS
	<input type="checkbox"/> PETROLEUM	<input type="checkbox"/> OTHER: _____
WERE PICTURES TAKEN?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO

COMMON DEFICIENCIES

COMMON DEFICIENCIES:	<input type="checkbox"/> MISSING LOCK	<input type="checkbox"/> RUSTY STICK-UP
	<input type="checkbox"/> RUSTY BOLLARDS	<input type="checkbox"/> MISSING BOLTS
		NUMBER OF BOLTS MISSING: _____

ADDITIONAL NOTES OR COMMENTS ON CONDITION

New hole installed

GENERAL CONDITION (CHECK ONE):

☒ GOOD

☐ MODERATE

☐ POOR



NAS Whidbey Island
Oak Harbor, WA
Naval Facilities Engineering Command Northwest

GROUNDWATER MONITORING WELL VISUAL INSPECTION CHECKLIST

DATE(S) (MM/DD/YY): <u>10/16/2021</u>	TIME (HH:MM): <u>9:18</u>	WEATHER/TEMPERATURE: <u>Cloudy 50°</u>
INSPECTOR(S): <u>Alex McConthy, Jeff Fetters</u>		COMPANY: <u>Liberty JV.</u>
OU AND SITE: <u>Site 13, FFE3</u>	DESCRIPTION: <u>INDUSTRIAL</u>	
WELL ID: <u>MW-356</u>	NORTHING: <u>492932.103</u>	EASTING: <u>1194878.992</u>

INSPECTION CHECKLIST

MONITORING WELL LOCATED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
WELL CLEARLY LABELED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
MONUMENT IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF WELL CASING:	<input checked="" type="checkbox"/> STICK-UP	<input type="checkbox"/> FLUSH-MOUNT <input type="checkbox"/> OTHER:
SIZE & NUMBER OF BOLTS ON FLUSH-MOUNT LID:		
SURROUNDING SURFACE MATERIAL:	<input type="checkbox"/> CONCRETE	<input type="checkbox"/> ASPHALT <input checked="" type="checkbox"/> SOIL
CONCRETE APRON:	<input type="checkbox"/> NOT PRESENT	<input checked="" type="checkbox"/> SLOPING AWAY <input type="checkbox"/> SUNKEN
LID CONDITION (STICKUP WELL ONLY):	<input type="checkbox"/> INTACT AND LOCKABLE	<input type="checkbox"/> DAMAGED
NUMBER OF BOLLARDS:	<u>3</u>	
BOLLARD CONDITION:	<input type="checkbox"/> NOT PRESENT	<input checked="" type="checkbox"/> STILL PLUMB <input type="checkbox"/> DAMAGED: _____
CASING DIAMETER:	<input checked="" type="checkbox"/> 2"	<input type="checkbox"/> 4" <input type="checkbox"/> 6"
	<input type="checkbox"/> 8"	<input type="checkbox"/> OTHER: _____
IS THE CASING IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
IS THERE A CAP ON THE MONITORING WELL?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF CAP:	<input type="checkbox"/> PVC SLIP CAP	<input checked="" type="checkbox"/> J-PLUG <input type="checkbox"/> EXPANSION
	<input type="checkbox"/> PRODUCTION W/TUBING	<input type="checkbox"/> OTHER: _____
LOCK MATERIAL:	<input checked="" type="checkbox"/> BRASS	<input type="checkbox"/> STAINLESS STEEL <input type="checkbox"/> OTHER: _____
LOCK SHANK LENGTH (estimated):	<u>2 7/16</u> INCHES	
LOCK LOCATION:	<input checked="" type="checkbox"/> WELL CAP	<input type="checkbox"/> MONUMENT <input type="checkbox"/> BOTH
ANY EVIDENCE OF TAMPERING WITH THE WELL CASING OR CAP?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
ANY ODORS?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
IF YES, DESCRIBE ODOR:	<input type="checkbox"/> SOLVENT	<input type="checkbox"/> HYDROGEN SULFIDE/ROTTEN EGGS
	<input type="checkbox"/> PETROLEUM	<input type="checkbox"/> OTHER: _____
WERE PICTURES TAKEN?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO

COMMON DEFICIENCIES

COMMON DEFICIENCIES:	<input type="checkbox"/> MISSING LOCK	<input type="checkbox"/> RUSTY STICK-UP
	<input type="checkbox"/> RUSTY BOLLARDS	<input type="checkbox"/> MISSING BOLTS
	NUMBER OF BOLTS MISSING: _____	

ADDITIONAL NOTES OR COMMENTS ON CONDITION

New lock installed on well cap.

GENERAL CONDITION (CHECK ONE):	<input checked="" type="checkbox"/> GOOD	<input type="checkbox"/> MODERATE	<input type="checkbox"/> POOR
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NAS Whidbey Island
Oak Harbor, WA
Naval Facilities Engineering Command Northwest

GROUNDWATER MONITORING WELL VISUAL INSPECTION CHECKLIST

DATE(S) (MM/DD/YY): <u>10/16/2021</u>	TIME (HH:MM): <u>907</u>	WEATHER/TEMPERATURE: <u>Cloudy 50°</u>
INSPECTOR(S): <u>Alex McConthy, Jose Fettes</u>		COMPANY: <u>Liberty JV.</u>
OU AND SITE: <u>Pite 13, FFF3</u>	DESCRIPTION: <u>INDUSTRIAL</u>	
WELL ID: <u>MW-357</u>	NORTHING: <u>492889.689</u>	EASTING: <u>1194755.714</u>

INSPECTION CHECKLIST

MONITORING WELL LOCATED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
WELL CLEARLY LABELED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO <u>inside of monument cap</u>
MONUMENT IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF WELL CASING:	<input type="checkbox"/> STICK-UP	<input checked="" type="checkbox"/> FLUSH-MOUNT <input type="checkbox"/> OTHER:
SIZE & NUMBER OF BOLTS ON FLUSH-MOUNT LID: <u>3 x 9/16</u>		
SURROUNDING SURFACE MATERIAL:	<input type="checkbox"/> CONCRETE	<input type="checkbox"/> ASPHALT <input checked="" type="checkbox"/> SOIL
	<input type="checkbox"/> OTHER: _____	
CONCRETE APRON:	<input checked="" type="checkbox"/> NOT PRESENT	<input type="checkbox"/> SLOPING AWAY <input type="checkbox"/> SUNKEN
LID CONDITION (STICKUP WELL ONLY):	<input type="checkbox"/> INTACT AND LOCKABLE	<input type="checkbox"/> DAMAGED
NUMBER OF BOLLARDS:	_____	
BOLLARD CONDITION:	<input type="checkbox"/> NOT PRESENT	<input type="checkbox"/> STILL PLUMB <input type="checkbox"/> DAMAGED: _____
CASING DIAMETER:	<input checked="" type="checkbox"/> 2" <input type="checkbox"/> 8"	<input type="checkbox"/> 4" <input type="checkbox"/> 6" <input type="checkbox"/> OTHER: _____
IS THE CASING IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
IS THERE A CAP ON THE MONITORING WELL?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF CAP:	<input type="checkbox"/> PVC SLIP CAP <input checked="" type="checkbox"/> J-PLUG <input type="checkbox"/> EXPANSION	
	<input type="checkbox"/> PRODUCTION W/TUBING <input type="checkbox"/> OTHER: _____	
LOCK MATERIAL:	<input checked="" type="checkbox"/> BRASS	<input type="checkbox"/> STAINLESS STEEL <input type="checkbox"/> OTHER: _____
LOCK SHANK LENGTH (estimated): <u>2 7/16</u> INCHES		
LOCK LOCATION:	<input checked="" type="checkbox"/> WELL CAP	<input type="checkbox"/> MONUMENT <input type="checkbox"/> BOTH
ANY EVIDENCE OF TAMPERING WITH THE WELL CASING OR CAP?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
ANY ODORS?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
IF YES, DESCRIBE ODOR:	<input type="checkbox"/> SOLVENT <input type="checkbox"/> HYDROGEN SULFIDE/ROTTEN EGGS	
	<input type="checkbox"/> PETROLEUM <input type="checkbox"/> OTHER: _____	
WERE PICTURES TAKEN?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO

COMMON DEFICIENCIES

COMMON DEFICIENCIES:	<input type="checkbox"/> MISSING LOCK <input checked="" type="checkbox"/> RUSTY STICK-UP
	<input type="checkbox"/> RUSTY BOLLARDS <input checked="" type="checkbox"/> MISSING BOLTS
	NUMBER OF BOLTS MISSING: <u>1</u>

ADDITIONAL NOTES OR COMMENTS ON CONDITION

New lock installed.

GENERAL CONDITION (CHECK ONE):	<input checked="" type="checkbox"/> GOOD	<input type="checkbox"/> MODERATE	<input type="checkbox"/> POOR
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NAS Whidbey Island
Oak Harbor, WA
Naval Facilities Engineering Command Northwest

GROUNDWATER MONITORING WELL VISUAL INSPECTION CHECKLIST

DATE(S) (MM/DD/YY): <u>10/16/2021</u>	TIME (HH:MM): <u>8:51</u>	WEATHER/TEMPERATURE: <u>Cloudy 50°</u>
INSPECTOR(S): <u>Alex McCortney, Jeff Fetters</u>		COMPANY: <u>Liberty JV.</u>
OU AND SITE: <u>Site 13, FFF3</u>	DESCRIPTION: <u>INDUSTRIAL</u>	
WELL ID: <u>MW 358</u>	NORTHING: <u>492744.341</u>	EASTING: <u>1194560.366</u>

INSPECTION CHECKLIST

MONITORING WELL LOCATED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
WELL CLEARLY LABELED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO <u>in vault</u>
MONUMENT IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF WELL CASING:	<input type="checkbox"/> STICK-UP	<input type="checkbox"/> FLUSH-MOUNT <input checked="" type="checkbox"/> OTHER: <u>Vault.</u>
SIZE & NUMBER OF BOLTS ON FLUSH-MOUNT LID:		
SURROUNDING SURFACE MATERIAL:	<input type="checkbox"/> CONCRETE	<input type="checkbox"/> ASPHALT <input checked="" type="checkbox"/> SOIL
	<input type="checkbox"/> OTHER: _____	
CONCRETE APRON:	<input type="checkbox"/> NOT PRESENT	<input type="checkbox"/> SLOPING AWAY <input type="checkbox"/> SUNKEN
LID CONDITION (STICKUP WELL ONLY):	<input type="checkbox"/> INTACT AND LOCKABLE	<input type="checkbox"/> DAMAGED
NUMBER OF BOLLARDS:	_____	
BOLLARD CONDITION:	<input type="checkbox"/> NOT PRESENT	<input type="checkbox"/> STILL PLUMB <input type="checkbox"/> DAMAGED: _____
CASING DIAMETER:	<input checked="" type="checkbox"/> 2"	<input type="checkbox"/> 4" <input type="checkbox"/> 6"
	<input type="checkbox"/> 8"	<input type="checkbox"/> OTHER: _____
IS THE CASING IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
IS THERE A CAP ON THE MONITORING WELL?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF CAP:	<input type="checkbox"/> PVC SLIP CAP	<input checked="" type="checkbox"/> J-PLUG <input type="checkbox"/> EXPANSION
	<input type="checkbox"/> PRODUCTION W/TUBING	<input type="checkbox"/> OTHER: _____
LOCK MATERIAL:	<input checked="" type="checkbox"/> BRASS	<input type="checkbox"/> STAINLESS STEEL <input type="checkbox"/> OTHER: _____
LOCK SHANK LENGTH (estimated):	<u>2 7/16</u> INCHES	
LOCK LOCATION:	<input checked="" type="checkbox"/> WELL CAP	<input type="checkbox"/> MONUMENT <input type="checkbox"/> BOTH
ANY EVIDENCE OF TAMPERING WITH THE WELL CASING OR CAP?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
ANY ODORS?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
IF YES, DESCRIBE ODOR:	<input type="checkbox"/> SOLVENT	<input type="checkbox"/> HYDROGEN SULFIDE/ROTTEN EGGS
	<input type="checkbox"/> PETROLEUM	<input type="checkbox"/> OTHER: _____
WERE PICTURES TAKEN?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO

COMMON DEFICIENCIES

COMMON DEFICIENCIES:	<input type="checkbox"/> MISSING LOCK	<input type="checkbox"/> RUSTY STICK-UP
	<input type="checkbox"/> RUSTY BOLLARDS	<input type="checkbox"/> MISSING BOLTS
	NUMBER OF BOLTS MISSING: _____	

ADDITIONAL NOTES OR COMMENTS ON CONDITION

New lock installed.

GENERAL CONDITION (CHECK ONE): ☒ GOOD ☐ MODERATE ☐ POOR



NAS Whidbey Island
Oak Harbor, WA
Naval Facilities Engineering Command Northwest

GROUNDWATER MONITORING WELL VISUAL INSPECTION CHECKLIST

DATE(S) (MM/DD/YY): <u>10/16/2021</u>	TIME (HH:MM): <u>8:18</u>	WEATHER/TEMPERATURE: <u>Cloudy 50°</u>
INSPECTOR(S): <u>Alex McCarthy, Jeff Fettes</u>		COMPANY: <u>Liberty JV.</u>
OU AND SITE: <u>Pile 13, FFB</u>	DESCRIPTION: <u>INDUSTRIAL</u>	
WELL ID: <u>MW-359</u>	NORTHING: <u>492732.962</u>	EASTING: <u>1194456.054</u>

INSPECTION CHECKLIST

MONITORING WELL LOCATED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
WELL CLEARLY LABELED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
MONUMENT IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF WELL CASING:	<input type="checkbox"/> STICK-UP	<input type="checkbox"/> FLUSH-MOUNT <input checked="" type="checkbox"/> OTHER: <u>Vault</u>
SIZE & NUMBER OF BOLTS ON FLUSH-MOUNT LID:		
SURROUNDING SURFACE MATERIAL:	<input type="checkbox"/> CONCRETE	<input type="checkbox"/> ASPHALT <input type="checkbox"/> SOIL
	<input type="checkbox"/> OTHER: _____	
CONCRETE APRON:	<input type="checkbox"/> NOT PRESENT	<input type="checkbox"/> SLOPING AWAY <input type="checkbox"/> SUNKEN
LID CONDITION (STICKUP WELL ONLY):	<input type="checkbox"/> INTACT AND LOCKABLE	<input type="checkbox"/> DAMAGED
NUMBER OF BOLLARDS:		
BOLLARD CONDITION:	<input type="checkbox"/> NOT PRESENT	<input type="checkbox"/> STILL PLUMB <input type="checkbox"/> DAMAGED: _____
CASING DIAMETER:	<input checked="" type="checkbox"/> 2"	<input type="checkbox"/> 4" <input type="checkbox"/> 6"
	<input type="checkbox"/> 8"	<input type="checkbox"/> OTHER: _____
IS THE CASING IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
IS THERE A CAP ON THE MONITORING WELL?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF CAP:	<input type="checkbox"/> PVC SLIP CAP	<input checked="" type="checkbox"/> J-PLUG <input type="checkbox"/> EXPANSION
	<input type="checkbox"/> PRODUCTION W/TUBING	<input type="checkbox"/> OTHER: _____
LOCK MATERIAL:	<input type="checkbox"/> BRASS	<input type="checkbox"/> STAINLESS STEEL <input type="checkbox"/> OTHER: _____
LOCK SHANK LENGTH (estimated):	_____ INCHES	
LOCK LOCATION:	<input type="checkbox"/> WELL CAP	<input type="checkbox"/> MONUMENT <input type="checkbox"/> BOTH
ANY EVIDENCE OF TAMPERING WITH THE WELL CASING OR CAP?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
ANY ODORS?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
IF YES, DESCRIBE ODOR:	<input type="checkbox"/> SOLVENT	<input type="checkbox"/> HYDROGEN SULFIDE/ROTTEN EGGS
	<input type="checkbox"/> PETROLEUM	<input type="checkbox"/> OTHER: _____
WERE PICTURES TAKEN?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO

COMMON DEFICIENCIES

COMMON DEFICIENCIES:	<input type="checkbox"/> MISSING LOCK	<input type="checkbox"/> RUSTY STICK-UP
	<input type="checkbox"/> RUSTY BOLLARDS	<input type="checkbox"/> MISSING BOLTS
	NUMBER OF BOLTS MISSING: _____	

ADDITIONAL NOTES OR COMMENTS ON CONDITION

No lock installed, unable to secure lock

GENERAL CONDITION (CHECK ONE):	<input checked="" type="checkbox"/> GOOD	<input type="checkbox"/> MODERATE	<input type="checkbox"/> POOR
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NAS Whidbey Island
Oak Harbor, WA
Naval Facilities Engineering Command Northwest

GROUNDWATER MONITORING WELL VISUAL INSPECTION CHECKLIST

DATE(S) (MM/DD/YY): <u>10/16/2021</u>	TIME (HH:MM): <u>1837</u>	WEATHER/TEMPERATURE: <u>Cloudy 54°</u>
INSPECTOR(S): <u>Alex McElarney, Jeff Fettes</u>		COMPANY: <u>Liberty JV.</u>
OU AND SITE: <u>Site 13, FF3</u>	DESCRIPTION: <u>INDUSTRIAL</u>	
WELL ID: <u>MW-360</u>	NORTHING: <u>492734.858</u>	EASTING: <u>1194313.810</u>

INSPECTION CHECKLIST

MONITORING WELL LOCATED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
WELL CLEARLY LABELED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
MONUMENT IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF WELL CASING:	<input checked="" type="checkbox"/> STICK-UP	<input type="checkbox"/> FLUSH-MOUNT <input type="checkbox"/> OTHER:
SIZE & NUMBER OF BOLTS ON FLUSH-MOUNT LID:		
SURROUNDING SURFACE MATERIAL:	<input type="checkbox"/> CONCRETE	<input type="checkbox"/> ASPHALT <input checked="" type="checkbox"/> SOIL
CONCRETE APRON:	<input type="checkbox"/> NOT PRESENT	<input checked="" type="checkbox"/> SLOPING AWAY <input type="checkbox"/> SUNKEN
LID CONDITION (STICKUP WELL ONLY):	<input checked="" type="checkbox"/> INTACT AND LOCKABLE	<input type="checkbox"/> DAMAGED
NUMBER OF BOLLARDS:	<u>3</u>	
BOLLARD CONDITION:	<input type="checkbox"/> NOT PRESENT	<input checked="" type="checkbox"/> STILL PLUMB <input type="checkbox"/> DAMAGED: _____
CASING DIAMETER:	<input checked="" type="checkbox"/> 2"	<input type="checkbox"/> 4" <input type="checkbox"/> 6"
	<input type="checkbox"/> 8"	<input type="checkbox"/> OTHER: _____
IS THE CASING IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
IS THERE A CAP ON THE MONITORING WELL?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF CAP:	<input type="checkbox"/> PVC SLIP CAP	<input checked="" type="checkbox"/> J-PLUG <input type="checkbox"/> EXPANSION
	<input type="checkbox"/> PRODUCTION W/TUBING	<input type="checkbox"/> OTHER: _____
LOCK MATERIAL:	<input checked="" type="checkbox"/> BRASS	<input type="checkbox"/> STAINLESS STEEL <input type="checkbox"/> OTHER: _____
LOCK SHANK LENGTH (estimated):	<u>2 7/16</u> INCHES	
LOCK LOCATION:	<input type="checkbox"/> WELL CAP	<input checked="" type="checkbox"/> MONUMENT <input type="checkbox"/> BOTH
ANY EVIDENCE OF TAMPERING WITH THE WELL CASING OR CAP?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
ANY ODORS?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
IF YES, DESCRIBE ODOR:	<input type="checkbox"/> SOLVENT	<input type="checkbox"/> HYDROGEN SULFIDE/ROTTEN EGGS
	<input type="checkbox"/> PETROLEUM	<input type="checkbox"/> OTHER: _____
WERE PICTURES TAKEN?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO

COMMON DEFICIENCIES

COMMON DEFICIENCIES:	<input type="checkbox"/> MISSING LOCK	<input type="checkbox"/> RUSTY STICK-UP
	<input type="checkbox"/> RUSTY BOLLARDS	<input type="checkbox"/> MISSING BOLTS
	NUMBER OF BOLTS MISSING: _____	

ADDITIONAL NOTES OR COMMENTS ON CONDITION

New lock installed

GENERAL CONDITION (CHECK ONE):	<input checked="" type="checkbox"/> GOOD	<input type="checkbox"/> MODERATE	<input type="checkbox"/> POOR
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NAS Whidbey Island
Oak Harbor, WA
Naval Facilities Engineering Command Northwest

GROUNDWATER MONITORING WELL VISUAL INSPECTION CHECKLIST

DATE(S) (MM/DD/YY): <u>10/16/2021</u>	TIME (HH:MM): <u>830</u>	WEATHER/TEMPERATURE: <u>Cloudy, 50°</u>
INSPECTOR(S): <u>Alex McEnty, Jeff Feltus</u>		COMPANY: <u>Liberty JV.</u>
OU AND SITE: <u>Site 13, FFF3</u>	DESCRIPTION: <u>INDUSTRIAL</u>	
WELL ID: <u>MW-361</u>	NORTHING: <u>492892.275</u>	EASTING: <u>1194065.357</u>

INSPECTION CHECKLIST

MONITORING WELL LOCATED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
WELL CLEARLY LABELED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO or inside of monument lid
MONUMENT IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF WELL CASING:	<input checked="" type="checkbox"/> STICK-UP	<input type="checkbox"/> FLUSH-MOUNT <input type="checkbox"/> OTHER:
SIZE & NUMBER OF BOLTS ON FLUSH-MOUNT LID:		
SURROUNDING SURFACE MATERIAL:	<input type="checkbox"/> CONCRETE	<input type="checkbox"/> ASPHALT <input checked="" type="checkbox"/> SOIL
CONCRETE APRON:	<input type="checkbox"/> OTHER: _____	
LID CONDITION (STICKUP WELL ONLY):	<input type="checkbox"/> NOT PRESENT	<input checked="" type="checkbox"/> SLOPING AWAY <input type="checkbox"/> SUNKEN
NUMBER OF BOLLARDS:	<u>3</u>	<input type="checkbox"/> DAMAGED: _____
BOLLARD CONDITION:	<input type="checkbox"/> NOT PRESENT	<input checked="" type="checkbox"/> STILL PLUMB
CASING DIAMETER:	<input checked="" type="checkbox"/> 2"	<input type="checkbox"/> 4" <input type="checkbox"/> 6" <input type="checkbox"/> OTHER: _____
IS THE CASING IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
IS THERE A CAP ON THE MONITORING WELL?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF CAP:	<input type="checkbox"/> PVC SLIP CAP	<input checked="" type="checkbox"/> J-PLUG <input type="checkbox"/> EXPANSION
LOCK MATERIAL:	<input checked="" type="checkbox"/> BRASS	<input type="checkbox"/> STAINLESS STEEL <input type="checkbox"/> OTHER: _____
LOCK SHANK LENGTH (estimated):	<u>2 7/16</u> INCHES	
LOCK LOCATION:	<input type="checkbox"/> WELL CAP	<input checked="" type="checkbox"/> MONUMENT <input type="checkbox"/> BOTH
ANY EVIDENCE OF TAMPERING WITH THE WELL CASING OR CAP?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
ANY ODORS?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
IF YES, DESCRIBE ODOR:	<input type="checkbox"/> SOLVENT	<input type="checkbox"/> HYDROGEN SULFIDE/ROTTEN EGGS
	<input type="checkbox"/> PETROLEUM	<input type="checkbox"/> OTHER: _____
WERE PICTURES TAKEN?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO

COMMON DEFICIENCIES

COMMON DEFICIENCIES:	<input type="checkbox"/> MISSING LOCK	<input type="checkbox"/> RUSTY STICK-UP
	<input type="checkbox"/> RUSTY BOLLARDS	<input type="checkbox"/> MISSING BOLTS
		NUMBER OF BOLTS MISSING: _____

ADDITIONAL NOTES OR COMMENTS ON CONDITION

New lock installed

GENERAL CONDITION (CHECK ONE): ☒ GOOD ☐ MODERATE ☐ POOR



NAS Whidbey Island
Oak Harbor, WA
Naval Facilities Engineering Command Northwest

GROUNDWATER MONITORING WELL VISUAL INSPECTION CHECKLIST

DATE(S) (MM/DD/YY): <u>10/16/2021</u>	TIME (HH:MM): <u>1116</u>	WEATHER/TEMPERATURE: <u>Cloudy 58°</u>
INSPECTOR(S): <u>Alex McLenthy, Jeff Fettes</u>		COMPANY: <u>Liberty JV</u>
OU AND SITE: <u>Site 13, FFF3</u>	DESCRIPTION: <u>Industrial</u>	
WELL ID: <u>MW-363</u>	NORTHING: <u>493154.004</u>	EASTING: <u>1194154.496</u>

INSPECTION CHECKLIST

MONITORING WELL LOCATED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
WELL CLEARLY LABELED?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
MONUMENT IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF WELL CASING:	<input type="checkbox"/> STICK-UP	<input checked="" type="checkbox"/> FLUSH-MOUNT <input type="checkbox"/> OTHER:
SIZE & NUMBER OF BOLTS ON FLUSH-MOUNT LID: <u>3 x 9/16</u>		
SURROUNDING SURFACE MATERIAL:	<input type="checkbox"/> CONCRETE	<input type="checkbox"/> ASPHALT <input checked="" type="checkbox"/> SOIL
	<input type="checkbox"/> OTHER: _____	
CONCRETE APRON:	<input checked="" type="checkbox"/> NOT PRESENT	<input type="checkbox"/> SLOPING AWAY <input type="checkbox"/> SUNKEN
LID CONDITION (STICKUP WELL ONLY):	<input type="checkbox"/> INTACT AND LOCKABLE	<input type="checkbox"/> DAMAGED
NUMBER OF BOLLARDS:	_____	
BOLLARD CONDITION:	<input type="checkbox"/> NOT PRESENT	<input type="checkbox"/> STILL PLUMB <input type="checkbox"/> DAMAGED: _____
CASING DIAMETER:	<input checked="" type="checkbox"/> 2"	<input type="checkbox"/> 4" <input type="checkbox"/> 6"
	<input type="checkbox"/> 8"	<input type="checkbox"/> OTHER: _____
IS THE CASING IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
IS THERE A CAP ON THE MONITORING WELL?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF CAP:	<input type="checkbox"/> PVC SLIP CAP	<input checked="" type="checkbox"/> J-PLUG <input type="checkbox"/> EXPANSION
	<input type="checkbox"/> PRODUCTION W/TUBING	<input type="checkbox"/> OTHER: _____
LOCK MATERIAL:	<input checked="" type="checkbox"/> BRASS	<input type="checkbox"/> STAINLESS STEEL <input type="checkbox"/> OTHER: _____
LOCK SHANK LENGTH (estimated): <u>2 7/16</u> INCHES		
LOCK LOCATION:	<input checked="" type="checkbox"/> WELL CAP	<input type="checkbox"/> MONUMENT <input type="checkbox"/> BOTH
ANY EVIDENCE OF TAMPERING WITH THE WELL CASING OR CAP?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
ANY ODORS?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
IF YES, DESCRIBE ODOR:	<input type="checkbox"/> SOLVENT	<input type="checkbox"/> HYDROGEN SULFIDE/ROTTEN EGGS
	<input type="checkbox"/> PETROLEUM	<input type="checkbox"/> OTHER: _____
WERE PICTURES TAKEN?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO

COMMON DEFICIENCIES

COMMON DEFICIENCIES:	<input type="checkbox"/> MISSING LOCK	<input type="checkbox"/> RUSTY STICK-UP
	<input type="checkbox"/> RUSTY BOLLARDS	<input checked="" type="checkbox"/> MISSING BOLTS
	NUMBER OF BOLTS MISSING: <u>3</u>	

ADDITIONAL NOTES OR COMMENTS ON CONDITION

New lock installed

GENERAL CONDITION (CHECK ONE): ☒ GOOD ☐ MODERATE ☐ POOR



NAS Whidbey Island
Oak Harbor, WA
Naval Facilities Engineering Command Northwest

GROUNDWATER MONITORING WELL VISUAL INSPECTION CHECKLIST

DATE(S) (MM/DD/YY): <u>10/16/2021</u>	TIME (HH:MM): <u>1030</u>	WEATHER/TEMPERATURE: <u>Cloudy 50°</u>
INSPECTOR(S): <u>Alex McLaughlin, Jeff Fettes</u>		COMPANY: <u>Liberty Inc.</u>
OU AND SITE: <u>Site 13, FFF3</u>	DESCRIPTION: <u>Industrial</u>	
WELL ID: <u>MW-364</u>	NORTHING: <u>493339.869</u>	EASTING: <u>1194844.854</u>

INSPECTION CHECKLIST

MONITORING WELL LOCATED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
WELL CLEARLY LABELED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO <u>inside monument cap</u>
MONUMENT IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF WELL CASING:	<input checked="" type="checkbox"/> STICK-UP	<input type="checkbox"/> FLUSH-MOUNT <input type="checkbox"/> OTHER:
SIZE & NUMBER OF BOLTS ON FLUSH-MOUNT LID:		
SURROUNDING SURFACE MATERIAL:	<input type="checkbox"/> CONCRETE	<input type="checkbox"/> ASPHALT <input checked="" type="checkbox"/> SOIL
CONCRETE APRON:	<input type="checkbox"/> NOT PRESENT	<input checked="" type="checkbox"/> SLOPING AWAY <input type="checkbox"/> SUNKEN
LID CONDITION (STICKUP WELL ONLY):	<input checked="" type="checkbox"/> INTACT AND LOCKABLE	<input type="checkbox"/> DAMAGED
NUMBER OF BOLLARDS:	<u>3</u>	
BOLLARD CONDITION:	<input type="checkbox"/> NOT PRESENT	<input checked="" type="checkbox"/> STILL PLUMB <input type="checkbox"/> DAMAGED: _____
CASING DIAMETER:	<input checked="" type="checkbox"/> 2"	<input type="checkbox"/> 4" <input type="checkbox"/> 6"
	<input type="checkbox"/> 8"	<input type="checkbox"/> OTHER: _____
IS THE CASING IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
IS THERE A CAP ON THE MONITORING WELL?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF CAP:	<input type="checkbox"/> PVC SLIP CAP	<input checked="" type="checkbox"/> J-PLUG <input type="checkbox"/> EXPANSION
	<input type="checkbox"/> PRODUCTION W/TUBING	<input type="checkbox"/> OTHER: _____
LOCK MATERIAL:	<input checked="" type="checkbox"/> BRASS	<input type="checkbox"/> STAINLESS STEEL <input type="checkbox"/> OTHER: _____
LOCK SHANK LENGTH (estimated):	<u>2 1/16</u> INCHES	
LOCK LOCATION:	<input type="checkbox"/> WELL CAP	<input checked="" type="checkbox"/> MONUMENT <input type="checkbox"/> BOTH
ANY EVIDENCE OF TAMPERING WITH THE WELL CASING OR CAP?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
ANY ODORS?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
IF YES, DESCRIBE ODOR:	<input type="checkbox"/> SOLVENT	<input type="checkbox"/> HYDROGEN SULFIDE/ROTTEN EGGS
	<input type="checkbox"/> PETROLEUM	<input type="checkbox"/> OTHER: _____
WERE PICTURES TAKEN?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO

COMMON DEFICIENCIES

COMMON DEFICIENCIES:	<input type="checkbox"/> MISSING LOCK	<input type="checkbox"/> RUSTY STICK-UP
	<input type="checkbox"/> RUSTY BOLLARDS	<input type="checkbox"/> MISSING BOLTS
	NUMBER OF BOLTS MISSING: _____	

ADDITIONAL NOTES OR COMMENTS ON CONDITION

New lock installed

GENERAL CONDITION (CHECK ONE):	<input checked="" type="checkbox"/> GOOD	<input type="checkbox"/> MODERATE	<input type="checkbox"/> POOR
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NAS Whidbey Island
Oak Harbor, WA
Naval Facilities Engineering Command Northwest

GROUNDWATER MONITORING WELL VISUAL INSPECTION CHECKLIST

DATE(S) (MM/DD/YY): <u>10/16/2021</u>	TIME (HH:MM): <u>1041</u>	WEATHER/TEMPERATURE: <u>Cloudy 50°</u>
INSPECTOR(S): <u>Alex McCarthy, Jeff Fellers</u>		COMPANY: <u>Liberty JV.</u>
OU AND SITE: <u>Site 13, FFF3</u>	DESCRIPTION: <u>INDUSTRIAL</u>	
WELL ID: <u>MW-365</u>	NORTHING: <u>493330.386</u>	EASTING: <u>1194768.990</u>

INSPECTION CHECKLIST

MONITORING WELL LOCATED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
WELL CLEARLY LABELED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO <u>inside monument cap</u>
MONUMENT IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF WELL CASING:	<input type="checkbox"/> STICK-UP	<input checked="" type="checkbox"/> FLUSH-MOUNT <input type="checkbox"/> OTHER:
SIZE & NUMBER OF BOLTS ON FLUSH-MOUNT LID: <u>3 x 9/16</u>		
SURROUNDING SURFACE MATERIAL:	<input type="checkbox"/> CONCRETE	<input checked="" type="checkbox"/> ASPHALT <input type="checkbox"/> SOIL
	<input type="checkbox"/> OTHER: _____	
CONCRETE APRON:	<input checked="" type="checkbox"/> NOT PRESENT	<input type="checkbox"/> SLOPING AWAY <input type="checkbox"/> SUNKEN
LID CONDITION (STICKUP WELL ONLY):	<input type="checkbox"/> INTACT AND LOCKABLE	<input type="checkbox"/> DAMAGED
NUMBER OF BOLLARDS:	_____	
BOLLARD CONDITION:	<input type="checkbox"/> NOT PRESENT	<input type="checkbox"/> STILL PLUMB <input type="checkbox"/> DAMAGED: _____
CASING DIAMETER:	<input checked="" type="checkbox"/> 2"	<input type="checkbox"/> 4" <input type="checkbox"/> 6"
	<input type="checkbox"/> 8"	<input type="checkbox"/> OTHER: _____
IS THE CASING IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
IS THERE A CAP ON THE MONITORING WELL?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF CAP:	<input type="checkbox"/> PVC SLIP CAP	<input checked="" type="checkbox"/> J-PLUG <input type="checkbox"/> EXPANSION
	<input type="checkbox"/> PRODUCTION W/TUBING	<input type="checkbox"/> OTHER: _____
LOCK MATERIAL:	<input checked="" type="checkbox"/> BRASS	<input type="checkbox"/> STAINLESS STEEL <input type="checkbox"/> OTHER: _____
LOCK SHANK LENGTH (estimated): <u>2 3/16</u> INCHES		
LOCK LOCATION:	<input checked="" type="checkbox"/> WELL CAP	<input type="checkbox"/> MONUMENT <input type="checkbox"/> BOTH
ANY EVIDENCE OF TAMPERING WITH THE WELL CASING OR CAP?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
ANY ODORS?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
IF YES, DESCRIBE ODOR:	<input type="checkbox"/> SOLVENT	<input type="checkbox"/> HYDROGEN SULFIDE/ROTTEN EGGS
	<input type="checkbox"/> PETROLEUM	<input type="checkbox"/> OTHER: _____
WERE PICTURES TAKEN?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO

COMMON DEFICIENCIES

COMMON DEFICIENCIES:	<input type="checkbox"/> MISSING LOCK	<input type="checkbox"/> RUSTY STICK-UP
	<input type="checkbox"/> RUSTY BOLLARDS	<input checked="" type="checkbox"/> MISSING BOLTS
	NUMBER OF BOLTS MISSING: <u>3</u>	

ADDITIONAL NOTES OR COMMENTS ON CONDITION

New lock installed
Valve filled w/ water

GENERAL CONDITION (CHECK ONE): ☒ GOOD ☐ MODERATE ☐ POOR



NAS Whidbey Island
Oak Harbor, WA
Naval Facilities Engineering Command Northwest

GROUNDWATER MONITORING WELL VISUAL INSPECTION CHECKLIST

DATE(S) (MM/DD/YY): <u>10/16/2021</u>	TIME (HH:MM): <u>300</u>	WEATHER/TEMPERATURE: <u>Cloudy 50°</u>
INSPECTOR(S): <u>Alex McElroy, Jesse Fetters</u>		COMPANY: <u>Liberty JV.</u>
OU AND SITE: <u>Site 13, FFF3.</u>	DESCRIPTION: <u>INDUSTRIAL</u>	
WELL ID: <u>MW-368</u>	NORTHING: <u>492488.302</u>	EASTING: <u>1194911.284</u>

INSPECTION CHECKLIST

MONITORING WELL LOCATED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
WELL CLEARLY LABELED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO <u>on monument cap</u>
MONUMENT IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF WELL CASING:	<input checked="" type="checkbox"/> STICK-UP	<input type="checkbox"/> FLUSH-MOUNT <input type="checkbox"/> OTHER:
SIZE & NUMBER OF BOLTS ON FLUSH-MOUNT LID:		
SURROUNDING SURFACE MATERIAL:	<input type="checkbox"/> CONCRETE	<input type="checkbox"/> ASPHALT <input checked="" type="checkbox"/> SOIL
	<input type="checkbox"/> OTHER:	
CONCRETE APRON:	<input type="checkbox"/> NOT PRESENT	<input checked="" type="checkbox"/> SLOPING AWAY <input type="checkbox"/> SUNKEN
LID CONDITION (STICKUP WELL ONLY):	<input checked="" type="checkbox"/> INTACT AND LOCKABLE	<input type="checkbox"/> DAMAGED
NUMBER OF BOLLARDS:	<u>3</u>	
BOLLARD CONDITION:	<input type="checkbox"/> NOT PRESENT	<input checked="" type="checkbox"/> STILL PLUMB <input type="checkbox"/> DAMAGED: _____
CASING DIAMETER:	<input checked="" type="checkbox"/> 2"	<input type="checkbox"/> 4" <input type="checkbox"/> 6"
	<input type="checkbox"/> 8"	<input type="checkbox"/> OTHER: _____
IS THE CASING IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
IS THERE A CAP ON THE MONITORING WELL?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF CAP:	<input type="checkbox"/> PVC SLIP CAP	<input checked="" type="checkbox"/> J-PLUG <input type="checkbox"/> EXPANSION
	<input type="checkbox"/> PRODUCTION W/TUBING	<input type="checkbox"/> OTHER: _____
LOCK MATERIAL:	<input checked="" type="checkbox"/> BRASS	<input type="checkbox"/> STAINLESS STEEL <input type="checkbox"/> OTHER: _____
LOCK SHANK LENGTH (estimated):	<u>2 7/16</u> INCHES	
LOCK LOCATION:	<input type="checkbox"/> WELL CAP	<input checked="" type="checkbox"/> MONUMENT <input type="checkbox"/> BOTH
ANY EVIDENCE OF TAMPERING WITH THE WELL CASING OR CAP?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
ANY ODORS?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
IF YES, DESCRIBE ODOR:	<input type="checkbox"/> SOLVENT	<input type="checkbox"/> HYDROGEN SULFIDE/ROTTEN EGGS
	<input type="checkbox"/> PETROLEUM	<input type="checkbox"/> OTHER: _____
WERE PICTURES TAKEN?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO

COMMON DEFICIENCIES

COMMON DEFICIENCIES:	<input type="checkbox"/> MISSING LOCK	<input type="checkbox"/> RUSTY STICK-UP
	<input type="checkbox"/> RUSTY BOLLARDS	<input type="checkbox"/> MISSING BOLTS
	NUMBER OF BOLTS MISSING: _____	

ADDITIONAL NOTES OR COMMENTS ON CONDITION

New lock installed

GENERAL CONDITION (CHECK ONE):

☒ GOOD

☐ MODERATE

☐ POOR



NAS Whidbey Island
Oak Harbor, WA
Naval Facilities Engineering Command Northwest

GROUNDWATER MONITORING WELL VISUAL INSPECTION CHECKLIST

DATE(S) (MM/DD/YY): <u>10/16/2021</u>	TIME (HH:MM): <u>807</u>	WEATHER/TEMPERATURE: <u>Cloudy 50°</u>
INSPECTOR(S): <u>Alex McCarthy, Jeff Fettes</u>	COMPANY: <u>Liberty JV.</u>	
OU AND SITE: <u>Site 13, FFF3</u>	DESCRIPTION: <u>INDUSTRIAL</u>	
WELL ID: <u>MW-369</u>	NORTHING: <u>492634.339</u>	EASTING: <u>1194640.022</u>

INSPECTION CHECKLIST

MONITORING WELL LOCATED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
WELL CLEARLY LABELED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO <u>on inside monument cap</u>
MONUMENT IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF WELL CASING:	<input checked="" type="checkbox"/> STICK-UP	<input type="checkbox"/> FLUSH-MOUNT <input type="checkbox"/> OTHER:
SIZE & NUMBER OF BOLTS ON FLUSH-MOUNT LID:		
SURROUNDING SURFACE MATERIAL:	<input type="checkbox"/> CONCRETE	<input type="checkbox"/> ASPHALT <input checked="" type="checkbox"/> SOIL
CONCRETE APRON:	<input type="checkbox"/> OTHER: _____	<input checked="" type="checkbox"/> SLOPING AWAY <input type="checkbox"/> SUNKEN
LID CONDITION (STICKUP WELL ONLY):	<input type="checkbox"/> NOT PRESENT	<input checked="" type="checkbox"/> DAMAGED
NUMBER OF BOLLARDS:	<u>3</u>	
BOLLARD CONDITION:	<input type="checkbox"/> NOT PRESENT	<input checked="" type="checkbox"/> STILL PLUMB <input type="checkbox"/> DAMAGED: _____
CASING DIAMETER:	<input checked="" type="checkbox"/> 2"	<input type="checkbox"/> 4" <input type="checkbox"/> 6"
	<input type="checkbox"/> 8"	<input type="checkbox"/> OTHER: _____
IS THE CASING IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
IS THERE A CAP ON THE MONITORING WELL?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF CAP:	<input type="checkbox"/> PVC SLIP CAP	<input checked="" type="checkbox"/> J-PLUG <input type="checkbox"/> EXPANSION
	<input type="checkbox"/> PRODUCTION W/TUBING	<input type="checkbox"/> OTHER: _____
LOCK MATERIAL:	<input checked="" type="checkbox"/> BRASS	<input type="checkbox"/> STAINLESS STEEL <input type="checkbox"/> OTHER: _____
LOCK SHANK LENGTH (estimated):	<u>2 1/4</u> INCHES	
LOCK LOCATION:	<input type="checkbox"/> WELL CAP	<input checked="" type="checkbox"/> MONUMENT <input type="checkbox"/> BOTH
ANY EVIDENCE OF TAMPERING WITH THE WELL CASING OR CAP?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
ANY ODORS?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
IF YES, DESCRIBE ODOR:	<input type="checkbox"/> SOLVENT	<input type="checkbox"/> HYDROGEN SULFIDE/ROTTEN EGGS
	<input type="checkbox"/> PETROLEUM	<input type="checkbox"/> OTHER: _____
WERE PICTURES TAKEN?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO

COMMON DEFICIENCIES

COMMON DEFICIENCIES:	<input type="checkbox"/> MISSING LOCK	<input type="checkbox"/> RUSTY STICK-UP
	<input type="checkbox"/> RUSTY BOLLARDS	<input type="checkbox"/> MISSING BOLTS
	NUMBER OF BOLTS MISSING: _____	

ADDITIONAL NOTES OR COMMENTS ON CONDITION

New lock installed
Well overgrown by vegetation

GENERAL CONDITION (CHECK ONE):	<input checked="" type="checkbox"/> GOOD	<input type="checkbox"/> MODERATE	<input type="checkbox"/> POOR
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NAS Whidbey Island
Oak Harbor, WA
Naval Facilities Engineering Command Northwest

GROUNDWATER MONITORING WELL VISUAL INSPECTION CHECKLIST

DATE(S) (MM/DD/YY): <u>10/16/2021</u>	TIME (HH:MM): <u>152</u>	WEATHER/TEMPERATURE: <u>Cloudy 50°</u>
INSPECTOR(S): <u>Alex McEnty, Jeff Tetters</u>		COMPANY: <u>Liberty JV.</u>
OU AND SITE: <u>Pile 13, FFF3</u>	DESCRIPTION: <u>INDUSTRIAL</u>	
WELL ID: <u>MW-371</u>	NORTHING: <u>492344.161</u>	EASTING: <u>1194537.607</u>

INSPECTION CHECKLIST

MONITORING WELL LOCATED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
WELL CLEARLY LABELED?	<input checked="" type="checkbox"/> YES	<input checked="" type="checkbox"/> NO - on bottom of monument cap.
MONUMENT IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF WELL CASING:	<input type="checkbox"/> STICK-UP	<input checked="" type="checkbox"/> FLUSH-MOUNT <input type="checkbox"/> OTHER:
SIZE & NUMBER OF BOLTS ON FLUSH-MOUNT LID:	<u>3x 9/16</u>	
SURROUNDING SURFACE MATERIAL:	<input type="checkbox"/> CONCRETE	<input checked="" type="checkbox"/> ASPHALT <input type="checkbox"/> SOIL
	<input type="checkbox"/> OTHER:	
CONCRETE APRON:	<input checked="" type="checkbox"/> NOT PRESENT	<input type="checkbox"/> SLOPING AWAY <input type="checkbox"/> SUNKEN
LID CONDITION (STICKUP WELL ONLY):	<input type="checkbox"/> INTACT AND LOCKABLE	<input type="checkbox"/> DAMAGED
NUMBER OF BOLLARDS:		
BOLLARD CONDITION:	<input type="checkbox"/> NOT PRESENT	<input type="checkbox"/> STILL PLUMB <input type="checkbox"/> DAMAGED:
CASING DIAMETER:	<input checked="" type="checkbox"/> 2"	<input type="checkbox"/> 4" <input type="checkbox"/> 6"
	<input type="checkbox"/> 8"	<input type="checkbox"/> OTHER:
IS THE CASING IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
IS THERE A CAP ON THE MONITORING WELL?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF CAP:	<input type="checkbox"/> PVC SLIP CAP	<input checked="" type="checkbox"/> J-PLUG <input type="checkbox"/> EXPANSION
	<input type="checkbox"/> PRODUCTION W/TUBING	<input type="checkbox"/> OTHER:
LOCK MATERIAL:	<input checked="" type="checkbox"/> BRASS	<input type="checkbox"/> STAINLESS STEEL <input type="checkbox"/> OTHER:
LOCK SHANK LENGTH (estimated):	<u>2 1/4</u> INCHES	
LOCK LOCATION:	<input checked="" type="checkbox"/> WELL CAP	<input type="checkbox"/> MONUMENT <input type="checkbox"/> BOTH
ANY EVIDENCE OF TAMPERING WITH THE WELL CASING OR CAP?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
ANY ODORS?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
IF YES, DESCRIBE ODOR:	<input type="checkbox"/> SOLVENT	<input type="checkbox"/> HYDROGEN SULFIDE/ROTTEN EGGS
	<input type="checkbox"/> PETROLEUM	<input type="checkbox"/> OTHER:
WERE PICTURES TAKEN?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO

COMMON DEFICIENCIES

COMMON DEFICIENCIES:	<input type="checkbox"/> MISSING LOCK	<input type="checkbox"/> RUSTY STICK-UP
	<input type="checkbox"/> RUSTY BOLLARDS	<input checked="" type="checkbox"/> MISSING BOLTS
	NUMBER OF BOLTS MISSING: <u>3</u>	

ADDITIONAL NOTES OR COMMENTS ON CONDITION

*Well is sunken in asphalt and accumulates water
New lock installed*

GENERAL CONDITION (CHECK ONE): ☐ GOOD ☒ MODERATE ☐ POOR



NAS Whidbey Island
Oak Harbor, WA
Naval Facilities Engineering Command Northwest

GROUNDWATER MONITORING WELL VISUAL INSPECTION CHECKLIST

DATE(S) (MM/DD/YY): <u>10/16/2021</u>	TIME (HH:MM): <u>0745</u>	WEATHER/TEMPERATURE: <u>Cloudy 80°</u>
INSPECTOR(S): <u>Alex McElrath, Jeff Fetters</u>		COMPANY: <u>Liberty JV.</u>
OU AND SITE: <u>Pile 13 FFF3</u>	DESCRIPTION: <u>INDUSTRIAL</u>	
WELL ID: <u>MW-372</u>	NORTHING: <u>492323.299</u>	EASTING: <u>1194376.397</u>

INSPECTION CHECKLIST

MONITORING WELL LOCATED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
WELL CLEARLY LABELED?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
MONUMENT IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF WELL CASING:	<input type="checkbox"/> STICK-UP	<input checked="" type="checkbox"/> FLUSH-MOUNT <input type="checkbox"/> OTHER:
SIZE & NUMBER OF BOLTS ON FLUSH-MOUNT LID: <u>0 x 9/16</u>		
SURROUNDING SURFACE MATERIAL:	<input type="checkbox"/> CONCRETE	<input checked="" type="checkbox"/> ASPHALT <input type="checkbox"/> SOIL
	<input type="checkbox"/> OTHER: _____	
CONCRETE APRON:	<input checked="" type="checkbox"/> NOT PRESENT	<input type="checkbox"/> SLOPING AWAY <input type="checkbox"/> SUNKEN
LID CONDITION (STICKUP WELL ONLY):	<input type="checkbox"/> INTACT AND LOCKABLE	<input type="checkbox"/> DAMAGED
NUMBER OF BOLLARDS:	_____	
BOLLARD CONDITION:	<input type="checkbox"/> NOT PRESENT	<input type="checkbox"/> STILL PLUMB <input type="checkbox"/> DAMAGED: _____
CASING DIAMETER:	<input checked="" type="checkbox"/> 2" <input type="checkbox"/> 8"	<input type="checkbox"/> 4" <input type="checkbox"/> 6" <input type="checkbox"/> OTHER: _____
IS THE CASING IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
IS THERE A CAP ON THE MONITORING WELL?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF CAP:	<input type="checkbox"/> PVC SLIP CAP <input checked="" type="checkbox"/> J-PLUG <input type="checkbox"/> EXPANSION	
	<input type="checkbox"/> PRODUCTION W/TUBING <input type="checkbox"/> OTHER: _____	
LOCK MATERIAL:	<input checked="" type="checkbox"/> BRASS	<input type="checkbox"/> STAINLESS STEEL <input type="checkbox"/> OTHER: _____
LOCK SHANK LENGTH (estimated): <u>2 7/16</u> INCHES		
LOCK LOCATION:	<input checked="" type="checkbox"/> WELL CAP	<input type="checkbox"/> MONUMENT <input type="checkbox"/> BOTH
ANY EVIDENCE OF TAMPERING WITH THE WELL CASING OR CAP?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
ANY ODORS?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
IF YES, DESCRIBE ODOR:	<input type="checkbox"/> SOLVENT <input type="checkbox"/> HYDROGEN SULFIDE/ROTTEN EGGS	
	<input type="checkbox"/> PETROLEUM <input type="checkbox"/> OTHER: _____	
WERE PICTURES TAKEN?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO

COMMON DEFICIENCIES

COMMON DEFICIENCIES:	<input type="checkbox"/> MISSING LOCK	<input type="checkbox"/> RUSTY STICK-UP
	<input type="checkbox"/> RUSTY BOLLARDS	<input checked="" type="checkbox"/> MISSING BOLTS
		NUMBER OF BOLTS MISSING: <u>3</u>

ADDITIONAL NOTES OR COMMENTS ON CONDITION

*Well is sunken in asphalt & vault collects water.
New lock installed.*

GENERAL CONDITION (CHECK ONE): ☐ GOOD ☒ MODERATE ☐ POOR



NAS Whidbey Island
Oak Harbor, WA
Naval Facilities Engineering Command Northwest

GROUNDWATER MONITORING WELL VISUAL INSPECTION CHECKLIST

DATE(S) (MM/DD/YY): <u>10/16/2021</u>	TIME (HH:MM): <u>839</u>	WEATHER/TEMPERATURE: <u>Cloudy, 58°</u>
INSPECTOR(S): <u>Alex McCarthy, Jesse Fettes</u>		COMPANY: <u>Liberty SV</u>
OU AND SITE: <u>Site 13, FFF3</u>	DESCRIPTION: <u>INDUSTRIAL</u>	
WELL ID: <u>MW-501</u>	NORTHING: <u>492736.755</u>	EASTING: <u>1194328.982</u>

INSPECTION CHECKLIST

MONITORING WELL LOCATED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
WELL CLEARLY LABELED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO <u>on well cap</u>
MONUMENT IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF WELL CASING:	<input type="checkbox"/> STICK-UP	<input type="checkbox"/> FLUSH-MOUNT <input checked="" type="checkbox"/> OTHER: <u>Vault</u>
SIZE & NUMBER OF BOLTS ON FLUSH-MOUNT LID:		
SURROUNDING SURFACE MATERIAL:	<input type="checkbox"/> CONCRETE	<input type="checkbox"/> ASPHALT <input type="checkbox"/> SOIL
CONCRETE APRON:	<input type="checkbox"/> OTHER: _____	
LID CONDITION (STICKUP WELL ONLY):	<input type="checkbox"/> NOT PRESENT	<input type="checkbox"/> SLOPING AWAY <input type="checkbox"/> SUNKEN
	<input type="checkbox"/> INTACT AND LOCKABLE	<input type="checkbox"/> DAMAGED
NUMBER OF BOLLARDS:		
BOLLARD CONDITION:	<input type="checkbox"/> NOT PRESENT	<input type="checkbox"/> STILL PLUMB <input type="checkbox"/> DAMAGED: _____
CASING DIAMETER:	<input type="checkbox"/> 2" <input type="checkbox"/> 4" <input type="checkbox"/> 6"	<input checked="" type="checkbox"/> OTHER: <u>12"</u>
IS THE CASING IN GOOD CONDITION?	<input type="checkbox"/> YES	<input type="checkbox"/> NO
IS THERE A CAP ON THE MONITORING WELL?	<input type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF CAP:	<input type="checkbox"/> PVC SLIP CAP	<input type="checkbox"/> J-PLUG <input type="checkbox"/> EXPANSION
	<input checked="" type="checkbox"/> PRODUCTION W/TUBING	<input type="checkbox"/> OTHER: _____
LOCK MATERIAL:	<input type="checkbox"/> BRASS	<input type="checkbox"/> STAINLESS STEEL <input type="checkbox"/> OTHER: _____
LOCK SHANK LENGTH (estimated):	_____ INCHES	
LOCK LOCATION:	<input type="checkbox"/> WELL CAP	<input type="checkbox"/> MONUMENT <input type="checkbox"/> BOTH
ANY EVIDENCE OF TAMPERING WITH THE WELL CASING OR CAP?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
ANY ODORS?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
IF YES, DESCRIBE ODOR:	<input type="checkbox"/> SOLVENT	<input type="checkbox"/> HYDROGEN SULFIDE/ROTTEN EGGS
	<input type="checkbox"/> PETROLEUM	<input type="checkbox"/> OTHER: _____
WERE PICTURES TAKEN?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO

COMMON DEFICIENCIES

COMMON DEFICIENCIES:	<input type="checkbox"/> MISSING LOCK	<input type="checkbox"/> RUSTY STICK-UP
	<input type="checkbox"/> RUSTY BOLLARDS	<input type="checkbox"/> MISSING BOLTS
	NUMBER OF BOLTS MISSING: _____	

ADDITIONAL NOTES OR COMMENTS ON CONDITION

No lock installed - no location to secure lock.

GENERAL CONDITION (CHECK ONE):	<input checked="" type="checkbox"/> GOOD	<input type="checkbox"/> MODERATE	<input type="checkbox"/> POOR
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GROUNDWATER MONITORING WELL VISUAL INSPECTION CHECKLIST

DATE(S) (MM/DD/YY): <u>10/16/2021</u>	TIME (HH:MM): <u>944</u>	WEATHER/TEMPERATURE: <u>Cloudy 50°</u>
INSPECTOR(S): <u>Alex McLeary, Jeff Fetters</u>		COMPANY: <u>Liberty JV.</u>
OU AND SITE: <u>Site 13, FFF3</u>	DESCRIPTION: <u>INDUSTRIAL</u>	
WELL ID: <u>MW-502</u>	NORTHING: <u>493013.650</u>	EASTING: <u>1194450.36-1</u>

INSPECTION CHECKLIST

MONITORING WELL LOCATED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
WELL CLEARLY LABELED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO <u>inside vault or well cap</u>
MONUMENT IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF WELL CASING:	<input type="checkbox"/> STICK-UP	<input type="checkbox"/> FLUSH-MOUNT <input checked="" type="checkbox"/> OTHER: <u>Vault</u>
SIZE & NUMBER OF BOLTS ON FLUSH-MOUNT LID:		
SURROUNDING SURFACE MATERIAL:	<input type="checkbox"/> CONCRETE	<input type="checkbox"/> ASPHALT <input checked="" type="checkbox"/> SOIL
	<input type="checkbox"/> OTHER: _____	
CONCRETE APRON:	<input type="checkbox"/> NOT PRESENT	<input type="checkbox"/> SLOPING AWAY <input type="checkbox"/> SUNKEN
LID CONDITION (STICKUP WELL ONLY):	<input type="checkbox"/> INTACT AND LOCKABLE	<input type="checkbox"/> DAMAGED
NUMBER OF BOLLARDS:	_____	
BOLLARD CONDITION:	<input type="checkbox"/> NOT PRESENT	<input type="checkbox"/> STILL PLUMB <input type="checkbox"/> DAMAGED: _____
CASING DIAMETER:	<input type="checkbox"/> 2"	<input checked="" type="checkbox"/> 4" <input type="checkbox"/> 6"
	<input type="checkbox"/> 8"	<input type="checkbox"/> OTHER: _____
IS THE CASING IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
IS THERE A CAP ON THE MONITORING WELL?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF CAP:	<input checked="" type="checkbox"/> PVC SLIP CAP	<input type="checkbox"/> J-PLUG <input type="checkbox"/> EXPANSION
	<input type="checkbox"/> PRODUCTION W/TUBING	<input type="checkbox"/> OTHER: _____
LOCK MATERIAL:	<input type="checkbox"/> BRASS	<input type="checkbox"/> STAINLESS STEEL <input type="checkbox"/> OTHER: _____
LOCK SHANK LENGTH (estimated):	_____ INCHES	
LOCK LOCATION:	<input type="checkbox"/> WELL CAP	<input type="checkbox"/> MONUMENT <input type="checkbox"/> BOTH
ANY EVIDENCE OF TAMPERING WITH THE WELL CASING OR CAP?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
ANY ODORS?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
IF YES, DESCRIBE ODOR:	<input type="checkbox"/> SOLVENT	<input type="checkbox"/> HYDROGEN SULFIDE/ROTTEN EGGS
	<input type="checkbox"/> PETROLEUM	<input type="checkbox"/> OTHER: _____
WERE PICTURES TAKEN?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO

COMMON DEFICIENCIES

COMMON DEFICIENCIES:	<input type="checkbox"/> MISSING LOCK	<input type="checkbox"/> RUSTY STICK-UP
	<input type="checkbox"/> RUSTY BOLLARDS	<input type="checkbox"/> MISSING BOLTS
		NUMBER OF BOLTS MISSING: _____

ADDITIONAL NOTES OR COMMENTS ON CONDITION

No lock installed, unable to secure lock to well or vault.

GENERAL CONDITION (CHECK ONE): ☒ GOOD ☐ MODERATE ☐ POOR



NAS Whidbey Island
Oak Harbor, WA
Naval Facilities Engineering Command Northwest

GROUNDWATER MONITORING WELL VISUAL INSPECTION CHECKLIST

DATE(S) (MM/DD/YY): <u>10/16/2021</u>	TIME (HH:MM): <u>1015</u>	WEATHER/TEMPERATURE: <u>Cloudy 50°</u>
INSPECTOR(S): <u>Alex McConthy, Jack Fettes</u>		COMPANY: <u>Liberty JV.</u>
OU AND SITE: <u>Site 13, FFF3</u>	DESCRIPTION: <u>INDUSTRIAL</u>	
WELL ID: <u>MW-503</u>	NORTHING: <u>493182.453</u>	EASTING: <u>1194689.337</u>

INSPECTION CHECKLIST

MONITORING WELL LOCATED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
WELL CLEARLY LABELED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO <u>inside vault on well cap.</u>
MONUMENT IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF WELL CASING:	<input type="checkbox"/> STICK-UP	<input type="checkbox"/> FLUSH-MOUNT <input checked="" type="checkbox"/> OTHER: <u>Vault.</u>
SIZE & NUMBER OF BOLTS ON FLUSH-MOUNT LID:		
SURROUNDING SURFACE MATERIAL:	<input type="checkbox"/> CONCRETE	<input type="checkbox"/> ASPHALT <input checked="" type="checkbox"/> SOIL
	<input type="checkbox"/> OTHER: _____	
CONCRETE APRON:	<input type="checkbox"/> NOT PRESENT	<input type="checkbox"/> SLOPING AWAY <input type="checkbox"/> SUNKEN
LID CONDITION (STICKUP WELL ONLY):	<input type="checkbox"/> INTACT AND LOCKABLE	<input type="checkbox"/> DAMAGED
NUMBER OF BOLLARDS:		
BOLLARD CONDITION:	<input type="checkbox"/> NOT PRESENT	<input type="checkbox"/> STILL PLUMB <input type="checkbox"/> DAMAGED: _____
CASING DIAMETER:	<input type="checkbox"/> 2" <input type="checkbox"/> 8"	<input type="checkbox"/> 4" <input checked="" type="checkbox"/> OTHER: <u>12"</u> <input type="checkbox"/> 6"
IS THE CASING IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
IS THERE A CAP ON THE MONITORING WELL?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF CAP:	<input checked="" type="checkbox"/> PVC SLIP CAP	<input type="checkbox"/> J-PLUG <input type="checkbox"/> EXPANSION
	<input type="checkbox"/> PRODUCTION W/TUBING	<input type="checkbox"/> OTHER: _____
LOCK MATERIAL:	<input type="checkbox"/> BRASS	<input type="checkbox"/> STAINLESS STEEL <input type="checkbox"/> OTHER: _____
LOCK SHANK LENGTH (estimated):	_____ INCHES	
LOCK LOCATION:	<input type="checkbox"/> WELL CAP	<input type="checkbox"/> MONUMENT <input type="checkbox"/> BOTH
ANY EVIDENCE OF TAMPERING WITH THE WELL CASING OR CAP?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
ANY ODORS?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
IF YES, DESCRIBE ODOR:	<input type="checkbox"/> SOLVENT	<input type="checkbox"/> HYDROGEN SULFIDE/ROTTEN EGGS
	<input type="checkbox"/> PETROLEUM	<input type="checkbox"/> OTHER: _____
WERE PICTURES TAKEN?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO

COMMON DEFICIENCIES

COMMON DEFICIENCIES:	<input type="checkbox"/> MISSING LOCK	<input type="checkbox"/> RUSTY STICK-UP
	<input type="checkbox"/> RUSTY BOLLARDS	<input type="checkbox"/> MISSING BOLTS
	NUMBER OF BOLTS MISSING: _____	

ADDITIONAL NOTES OR COMMENTS ON CONDITION

No new lock installed, unable to secure lock on vault or well cap.

GENERAL CONDITION (CHECK ONE):

☒ GOOD

☐ MODERATE

☐ POOR



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GROUNDWATER MONITORING WELL VISUAL INSPECTION CHECKLIST

DATE(S) (MM DD YY): <u>10/16/2021</u>	TIME (HH:MM): <u>1108</u>	WEATHER/TEMPERATURE: <u>Cloudy 50°</u>
INSPECTOR(S): <u>Alex McConkey, Jose Fedders</u>		COMPANY: <u>Liberty JV.</u>
OU AND SITE: <u>Site 13, FFF3</u>	DESCRIPTION: <u>Industrial</u>	
WELL ID: <u>HW-584</u>	NORTHING: <u>493165.383</u>	EASTING: <u>1194268-291</u>

INSPECTION CHECKLIST

MONITORING WELL LOCATED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
WELL CLEARLY LABELED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO <u>on well cap.</u>
MONUMENT IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF WELL CASING:	<input type="checkbox"/> STICK-UP	<input checked="" type="checkbox"/> FLUSH-MOUNT <input type="checkbox"/> OTHER:
SIZE & NUMBER OF BOLTS ON FLUSH-MOUNT LID: <u>2 x 1/2 Hex</u>		
SURROUNDING SURFACE MATERIAL:	<input type="checkbox"/> CONCRETE	<input checked="" type="checkbox"/> ASPHALT <input type="checkbox"/> SOIL
	<input type="checkbox"/> OTHER: _____	
CONCRETE APRON:	<input checked="" type="checkbox"/> NOT PRESENT	<input type="checkbox"/> SLOPING AWAY <input type="checkbox"/> SUNKEN
LID CONDITION (STICKUP WELL ONLY):	<input type="checkbox"/> INTACT AND LOCKABLE	<input type="checkbox"/> DAMAGED
NUMBER OF BOLLARDS:		
BOLLARD CONDITION:	<input type="checkbox"/> NOT PRESENT	<input type="checkbox"/> STILL PLUMB <input type="checkbox"/> DAMAGED: _____
CASING DIAMETER:	<input type="checkbox"/> 2" <input type="checkbox"/> 8"	<input type="checkbox"/> 4" <input checked="" type="checkbox"/> OTHER: <u>12"</u> <input type="checkbox"/> 6"
IS THE CASING IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
IS THERE A CAP ON THE MONITORING WELL?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF CAP:	<input checked="" type="checkbox"/> PVC SLIP CAP	<input type="checkbox"/> J-PLUG <input type="checkbox"/> EXPANSION
	<input type="checkbox"/> PRODUCTION W/TUBING	<input type="checkbox"/> OTHER: _____
LOCK MATERIAL: <u>None</u>	<input type="checkbox"/> BRASS	<input type="checkbox"/> STAINLESS STEEL <input type="checkbox"/> OTHER: _____
LOCK SHANK LENGTH (estimated): _____ INCHES		
LOCK LOCATION:	<input type="checkbox"/> WELL CAP	<input type="checkbox"/> MONUMENT <input type="checkbox"/> BOTH
ANY EVIDENCE OF TAMPERING WITH THE WELL CASING OR CAP?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
ANY ODORS?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
IF YES, DESCRIBE ODOR:	<input type="checkbox"/> SOLVENT	<input type="checkbox"/> HYDROGEN SULFIDE/ROTTEN EGGS
	<input type="checkbox"/> PETROLEUM	<input type="checkbox"/> OTHER: _____
WERE PICTURES TAKEN?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO

COMMON DEFICIENCIES

COMMON DEFICIENCIES:	<input type="checkbox"/> MISSING LOCK	<input type="checkbox"/> RUSTY STICK-UP
	<input type="checkbox"/> RUSTY BOLLARDS	<input type="checkbox"/> MISSING BOLTS
		NUMBER OF BOLTS MISSING: _____

ADDITIONAL NOTES OR COMMENTS ON CONDITION

Unable to install new dish on slip cap

GENERAL CONDITION (CHECK ONE):

☒ GOOD

☐ MODERATE

☐ POOR



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GROUNDWATER MONITORING WELL VISUAL INSPECTION CHECKLIST

DATE(S) (MM/DD/YY): 10/16/2021	TIME (HH:MM): 1105	WEATHER/TEMPERATURE: Cloudy 80°
INSPECTOR(S): Alex McLenthy, Jeff Fellers		COMPANY: Liberty JV.
OU AND SITE: Pile 13, FFF3	DESCRIPTION: Industrial	
WELL ID: MW-805.	NORTHING: 493161.570	EASTING: 1194355.539

INSPECTION CHECKLIST

MONITORING WELL LOCATED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
WELL CLEARLY LABELED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO or well cap
MONUMENT IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF WELL CASING:	<input type="checkbox"/> STICK-UP	<input checked="" type="checkbox"/> FLUSH-MOUNT <input type="checkbox"/> OTHER:
SIZE & NUMBER OF BOLTS ON FLUSH-MOUNT LID: 2 x		
SURROUNDING SURFACE MATERIAL:	<input type="checkbox"/> CONCRETE	<input checked="" type="checkbox"/> ASPHALT <input type="checkbox"/> SOIL
	<input type="checkbox"/> OTHER: _____	
CONCRETE APRON:	<input checked="" type="checkbox"/> NOT PRESENT	<input type="checkbox"/> SLOPING AWAY <input type="checkbox"/> SUNKEN
LID CONDITION (STICKUP WELL ONLY):	<input type="checkbox"/> INTACT AND LOCKABLE	<input type="checkbox"/> DAMAGED
NUMBER OF BOLLARDS:	_____	
BOLLARD CONDITION:	<input type="checkbox"/> NOT PRESENT	<input type="checkbox"/> STILL PLUMB <input type="checkbox"/> DAMAGED: _____
CASING DIAMETER:	<input type="checkbox"/> 2" <input type="checkbox"/> 4" <input type="checkbox"/> 6" <input checked="" type="checkbox"/> OTHER: 12"	
IS THE CASING IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
IS THERE A CAP ON THE MONITORING WELL?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF CAP:	<input checked="" type="checkbox"/> PVC SLIP CAP <input type="checkbox"/> J-PLUG <input type="checkbox"/> EXPANSION	
	<input type="checkbox"/> PRODUCTION W/TUBING <input type="checkbox"/> OTHER: _____	
LOCK MATERIAL: None.	<input type="checkbox"/> BRASS	<input type="checkbox"/> STAINLESS STEEL <input type="checkbox"/> OTHER: _____
LOCK SHANK LENGTH (estimated): _____ INCHES		
LOCK LOCATION:	<input type="checkbox"/> WELL CAP	<input type="checkbox"/> MONUMENT <input type="checkbox"/> BOTH
ANY EVIDENCE OF TAMPERING WITH THE WELL CASING OR CAP?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
ANY ODORS?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
IF YES, DESCRIBE ODOR:	<input type="checkbox"/> SOLVENT <input type="checkbox"/> HYDROGEN SULFIDE/ROTTEN EGGS	
	<input type="checkbox"/> PETROLEUM <input type="checkbox"/> OTHER: _____	
WERE PICTURES TAKEN?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO

COMMON DEFICIENCIES

COMMON DEFICIENCIES:	<input type="checkbox"/> MISSING LOCK	<input type="checkbox"/> RUSTY STICK-UP
	<input type="checkbox"/> RUSTY BOLLARDS	<input type="checkbox"/> MISSING BOLTS
		NUMBER OF BOLTS MISSING: _____

ADDITIONAL NOTES OR COMMENTS ON CONDITION

Unable to install new lock on slip cap.

GENERAL CONDITION (CHECK ONE):

☒ GOOD

☐ MODERATE

☐ POOR



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GROUNDWATER MONITORING WELL VISUAL INSPECTION CHECKLIST

DATE(S) (MM/DD/YY): 10/16/2021	TIME (HH:MM): 856	WEATHER/TEMPERATURE: Cloudy 50°
INSPECTOR(S): Alex McPenthy, Jeff Fettess		COMPANY: Liberty NV.
OU AND SITE: Site 13, FFF3	DESCRIPTION: Industrial	
WELL ID: MW-506	NORTHING: 492765.204	EASTING: 1194547.090.

INSPECTION CHECKLIST

MONITORING WELL LOCATED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
WELL CLEARLY LABELED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO on well cap
MONUMENT IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF WELL CASING:	<input type="checkbox"/> STICK-UP	<input type="checkbox"/> FLUSH-MOUNT <input checked="" type="checkbox"/> OTHER: Vault
SIZE & NUMBER OF BOLTS ON FLUSH-MOUNT LID:		
SURROUNDING SURFACE MATERIAL:	<input type="checkbox"/> CONCRETE	<input type="checkbox"/> ASPHALT <input checked="" type="checkbox"/> SOIL
CONCRETE APRON:	<input type="checkbox"/> NOT PRESENT	<input type="checkbox"/> SLOPING AWAY <input type="checkbox"/> SUNKEN
LID CONDITION (STICKUP WELL ONLY):	<input type="checkbox"/> INTACT AND LOCKABLE	<input type="checkbox"/> DAMAGED
NUMBER OF BOLLARDS:		
BOLLARD CONDITION:	<input type="checkbox"/> NOT PRESENT	<input type="checkbox"/> STILL PLUMB <input type="checkbox"/> DAMAGED: _____
CASING DIAMETER:	<input type="checkbox"/> 2" <input type="checkbox"/> 4" <input checked="" type="checkbox"/> OTHER: 12"	<input type="checkbox"/> 6"
IS THE CASING IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
IS THERE A CAP ON THE MONITORING WELL?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF CAP:	<input type="checkbox"/> PVC SLIP CAP <input checked="" type="checkbox"/> PRODUCTION W/TUBING	<input type="checkbox"/> J-PLUG <input type="checkbox"/> EXPANSION
LOCK MATERIAL:	<input type="checkbox"/> BRASS	<input type="checkbox"/> STAINLESS STEEL <input type="checkbox"/> OTHER: _____
LOCK SHANK LENGTH (estimated):	_____ INCHES	
LOCK LOCATION:	<input type="checkbox"/> WELL CAP	<input type="checkbox"/> MONUMENT <input type="checkbox"/> BOTH
ANY EVIDENCE OF TAMPERING WITH THE WELL CASING OR CAP?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
ANY ODORS?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
IF YES, DESCRIBE ODOR:	<input type="checkbox"/> SOLVENT <input checked="" type="checkbox"/> PETROLEUM	<input type="checkbox"/> HYDROGEN SULFIDE/ROTTEN EGGS
WERE PICTURES TAKEN?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO

COMMON DEFICIENCIES

COMMON DEFICIENCIES:	<input type="checkbox"/> MISSING LOCK	<input type="checkbox"/> RUSTY STICK-UP
	<input type="checkbox"/> RUSTY BOLLARDS	<input type="checkbox"/> MISSING BOLTS
	NUMBER OF BOLTS MISSING: _____	

ADDITIONAL NOTES OR COMMENTS ON CONDITION

No lock installed, Unable to secure lock to well

GENERAL CONDITION (CHECK ONE): ☒ GOOD ☐ MODERATE ☐ POOR



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GROUNDWATER MONITORING WELL VISUAL INSPECTION CHECKLIST

DATE(S) (MM/DD/YY): <u>10/16/2021</u>	TIME (HH:MM): <u>8:47</u>	WEATHER/TEMPERATURE: <u>Cloudy 50"</u>
INSPECTOR(S): <u>Alex McCarthy, Jeff Fettes</u>		COMPANY: <u>Liberty JV</u>
OU AND SITE: <u>Site 13, FFF3</u>	DESCRIPTION: <u>Industrial</u>	
WELL ID: <u>MW-507</u>	NORTHING: <u>492778.480</u>	EASTING: <u>1194602.091</u>

INSPECTION CHECKLIST

MONITORING WELL LOCATED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
WELL CLEARLY LABELED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO <u>on well cap</u>
MONUMENT IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF WELL CASING:	<input type="checkbox"/> STICK-UP	<input type="checkbox"/> FLUSH-MOUNT <input checked="" type="checkbox"/> OTHER: <u>Vault</u>
SIZE & NUMBER OF BOLTS ON FLUSH-MOUNT LID:		
SURROUNDING SURFACE MATERIAL:	<input type="checkbox"/> CONCRETE	<input type="checkbox"/> ASPHALT <input type="checkbox"/> SOIL
	<input type="checkbox"/> OTHER: _____	
CONCRETE APRON:	<input type="checkbox"/> NOT PRESENT	<input type="checkbox"/> SLOPING AWAY <input type="checkbox"/> SUNKEN
LID CONDITION (STICKUP WELL ONLY):	<input type="checkbox"/> INTACT AND LOCKABLE	<input type="checkbox"/> DAMAGED
NUMBER OF BOLLARDS:	_____	
BOLLARD CONDITION:	<input type="checkbox"/> NOT PRESENT	<input type="checkbox"/> STILL PLUMB <input type="checkbox"/> DAMAGED: _____
CASING DIAMETER:	<input type="checkbox"/> 2"	<input type="checkbox"/> 4" <input type="checkbox"/> 6"
	<input type="checkbox"/> 8"	<input checked="" type="checkbox"/> OTHER: <u>12"</u>
IS THE CASING IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
IS THERE A CAP ON THE MONITORING WELL?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF CAP:	<input type="checkbox"/> PVC SLIP CAP	<input type="checkbox"/> J-PLUG <input type="checkbox"/> EXPANSION
	<input checked="" type="checkbox"/> PRODUCTION W/TUBING	<input type="checkbox"/> OTHER: _____
LOCK MATERIAL:	<input type="checkbox"/> BRASS	<input type="checkbox"/> STAINLESS STEEL <input type="checkbox"/> OTHER: _____
LOCK SHANK LENGTH (estimated):	_____ INCHES	
LOCK LOCATION:	<input type="checkbox"/> WELL CAP	<input type="checkbox"/> MONUMENT <input type="checkbox"/> BOTH
ANY EVIDENCE OF TAMPERING WITH THE WELL CASING OR CAP?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
ANY ODORS?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
IF YES, DESCRIBE ODOR:	<input type="checkbox"/> SOLVENT	<input type="checkbox"/> HYDROGEN SULFIDE/ROTTEN EGGS
	<input type="checkbox"/> PETROLEUM	<input type="checkbox"/> OTHER: _____
WERE PICTURES TAKEN?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO

COMMON DEFICIENCIES

COMMON DEFICIENCIES:	<input type="checkbox"/> MISSING LOCK	<input type="checkbox"/> RUSTY STICK-UP
	<input type="checkbox"/> RUSTY BOLLARDS	<input type="checkbox"/> MISSING BOLTS
	NUMBER OF BOLTS MISSING: _____	

ADDITIONAL NOTES OR COMMENTS ON CONDITION

No new lock installed, unable to secure lock to well

GENERAL CONDITION (CHECK ONE): ☒ GOOD ☐ MODERATE ☐ POOR



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GROUNDWATER MONITORING WELL VISUAL INSPECTION CHECKLIST

DATE(S) (MM/DD/YY): <u>10/16/2021</u>	TIME (HH:MM): <u>1452</u>	WEATHER/TEMPERATURE: <u>Cloudy 50°</u>
INSPECTOR(S): <u>Alex McLaughlin, Jeff Fellers</u>		COMPANY: <u>Liberty JV</u>
OU AND SITE: <u>Site 13, FFF3</u>	DESCRIPTION: <u>Industrial</u>	
WELL ID: <u>MW-701</u>	NORTHING: <u>493262.779</u>	EASTING: <u>1194613.770</u>

INSPECTION CHECKLIST

MONITORING WELL LOCATED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
WELL CLEARLY LABELED?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
MONUMENT IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF WELL CASING:	<input type="checkbox"/> STICK-UP	<input checked="" type="checkbox"/> FLUSH-MOUNT <input type="checkbox"/> OTHER:
SIZE & NUMBER OF BOLTS ON FLUSH-MOUNT LID: <u>3 x 9/16</u>		
SURROUNDING SURFACE MATERIAL:	<input type="checkbox"/> CONCRETE	<input checked="" type="checkbox"/> ASPHALT <input type="checkbox"/> SOIL
	<input type="checkbox"/> OTHER: _____	
CONCRETE APRON:	<input type="checkbox"/> NOT PRESENT	<input checked="" type="checkbox"/> SLOPING AWAY <input type="checkbox"/> SUNKEN
LID CONDITION (STICKUP WELL ONLY):	<input type="checkbox"/> INTACT AND LOCKABLE	<input type="checkbox"/> DAMAGED
NUMBER OF BOLLARDS:	_____	
BOLLARD CONDITION:	<input type="checkbox"/> NOT PRESENT	<input type="checkbox"/> STILL PLUMB <input type="checkbox"/> DAMAGED: _____
CASING DIAMETER:	<input type="checkbox"/> 2"	<input checked="" type="checkbox"/> 4" <input type="checkbox"/> 6"
	<input type="checkbox"/> 8"	<input type="checkbox"/> OTHER: _____
IS THE CASING IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
IS THERE A CAP ON THE MONITORING WELL?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF CAP:	<input type="checkbox"/> PVC SLIP CAP	<input checked="" type="checkbox"/> J-PLUG <input type="checkbox"/> EXPANSION
	<input type="checkbox"/> PRODUCTION W/TUBING	<input type="checkbox"/> OTHER: _____
LOCK MATERIAL:	<input checked="" type="checkbox"/> BRASS	<input type="checkbox"/> STAINLESS STEEL <input type="checkbox"/> OTHER: _____
LOCK SHANK LENGTH (estimated): <u>2 7/16</u> INCHES		
LOCK LOCATION:	<input checked="" type="checkbox"/> WELL CAP	<input type="checkbox"/> MONUMENT <input type="checkbox"/> BOTH
ANY EVIDENCE OF TAMPERING WITH THE WELL CASING OR CAP?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
ANY ODORS?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
IF YES, DESCRIBE ODOR:	<input type="checkbox"/> SOLVENT	<input type="checkbox"/> HYDROGEN SULFIDE/ROTTEN EGGS
	<input type="checkbox"/> PETROLEUM	<input type="checkbox"/> OTHER: _____
WERE PICTURES TAKEN?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO

COMMON DEFICIENCIES

COMMON DEFICIENCIES:	<input type="checkbox"/> MISSING LOCK	<input type="checkbox"/> RUSTY STICK-UP
	<input type="checkbox"/> RUSTY BOLLARDS	<input checked="" type="checkbox"/> MISSING BOLTS
		NUMBER OF BOLTS MISSING: <u>3</u>

ADDITIONAL NOTES OR COMMENTS ON CONDITION

New lock installed
Vault was filled w/ water.

GENERAL CONDITION (CHECK ONE): ☒ GOOD ☐ MODERATE ☐ POOR



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GROUNDWATER MONITORING WELL VISUAL INSPECTION CHECKLIST

DATE(S) (MM/DD/YY): <u>10/16/2021</u>	TIME (HH:MM): <u>813</u>	WEATHER/TEMPERATURE: <u>Cloudy 50°</u>
INSPECTOR(S): <u>Alex McCarthy, Pete Fellers</u>		COMPANY: <u>Liberty JV</u>
LOCATION AND SITE: <u>Site 13, FFF3</u>	DESCRIPTION: <u>INTERNAL</u>	
WELL ID: <u>MW-702</u>	NORTHING: <u>492588.821</u>	EASTING: <u>1194471.226</u>

INSPECTION CHECKLIST

MONITORING WELL LOCATED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
WELL CLEARLY LABELED?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
MONUMENT IN GOOD CONDITION?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
TYPE OF WELL CASING:	<input type="checkbox"/> STICK-UP	<input checked="" type="checkbox"/> FLUSH-MOUNT <input type="checkbox"/> OTHER:
SIZE & NUMBER OF BOLTS ON FLUSH-MOUNT LID: <u>3 x 3/16</u>		
SURROUNDING SURFACE MATERIAL:	<input checked="" type="checkbox"/> CONCRETE	<input type="checkbox"/> ASPHALT <input type="checkbox"/> SOIL
	<input type="checkbox"/> OTHER: _____	
CONCRETE APRON:	<input type="checkbox"/> NOT PRESENT	<input type="checkbox"/> SLOPING AWAY <input checked="" type="checkbox"/> SUNKEN
LID CONDITION (STICKUP WELL ONLY):	<input type="checkbox"/> INTACT AND LOCKABLE	<input type="checkbox"/> DAMAGED
NUMBER OF BOLLARDS:	_____	
BOLLARD CONDITION:	<input type="checkbox"/> NOT PRESENT	<input type="checkbox"/> STILL PLUMB <input type="checkbox"/> DAMAGED: _____
CASING DIAMETER:	<input type="checkbox"/> 2" <input type="checkbox"/> 8"	<input checked="" type="checkbox"/> 4" <input type="checkbox"/> 6"
	<input type="checkbox"/> OTHER: _____	
IS THE CASING IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
IS THERE A CAP ON THE MONITORING WELL?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF CAP:	<input type="checkbox"/> PVC SLIP CAP <input checked="" type="checkbox"/> J-PLUG	<input type="checkbox"/> EXPANSION
	<input type="checkbox"/> PRODUCTION W/TUBING	<input type="checkbox"/> OTHER: _____
LOCK MATERIAL:	<input checked="" type="checkbox"/> BRASS	<input type="checkbox"/> STAINLESS STEEL <input type="checkbox"/> OTHER: _____
LOCK SHANK LENGTH (estimated): <u>2 3/16</u> INCHES		
LOCK LOCATION:	<input checked="" type="checkbox"/> WELL CAP	<input type="checkbox"/> MONUMENT <input type="checkbox"/> BOTH
ANY EVIDENCE OF TAMPERING WITH THE WELL CASING OR CAP?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
ANY ODORS?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
IF YES, DESCRIBE ODOR:	<input type="checkbox"/> SOLVENT <input type="checkbox"/> HYDROGEN SULFIDE/ROTTEN EGGS	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> PETROLEUM	
WERE PICTURES TAKEN?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO

COMMON DEFICIENCIES

COMMON DEFICIENCIES:	<input type="checkbox"/> MISSING LOCK	<input type="checkbox"/> RUSTY STICK-UP
	<input type="checkbox"/> RUSTY BOLLARDS	<input checked="" type="checkbox"/> MISSING BOLTS
	NUMBER OF BOLTS MISSING: _____	

ADDITIONAL NOTES OR COMMENTS ON CONDITION

*New lock installed
Concrete apron is sunken & monument is angled.*

GENERAL CONDITION (CHECK ONE): ☐ GOOD ☐ MODERATE ☒ POOR



NAS Whidbey Island
Oak Harbor, WA
Naval Facilities Engineering Command Northwest

GROUNDWATER MONITORING WELL VISUAL INSPECTION CHECKLIST

DATE(S) (MM/DD/YY): <u>10/13/2021</u>	TIME (HH:MM): <u>1730</u>	WEATHER/TEMPERATURE: <u>Cloudy, 58°</u>
INSPECTOR(S): <u>Alex McCarthy, Jeff Fettes</u>		COMPANY: <u>Liberty JV.</u>
OU AND SITE: <u>Site 11, FFF4</u>	DESCRIPTION: <u>Industrial</u>	
WELL ID: <u>MW-109</u>	NORTHING: <u>489905.557</u>	EASTING: <u>1196219.915</u>

INSPECTION CHECKLIST

MONITORING WELL LOCATED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
WELL CLEARLY LABELED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
MONUMENT IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF WELL CASING:	<input checked="" type="checkbox"/> STICK-UP	<input type="checkbox"/> FLUSH-MOUNT <input type="checkbox"/> OTHER:
SIZE & NUMBER OF BOLTS ON FLUSH-MOUNT LID:		
SURROUNDING SURFACE MATERIAL:	<input type="checkbox"/> CONCRETE	<input type="checkbox"/> ASPHALT <input checked="" type="checkbox"/> SOIL
	<input type="checkbox"/> OTHER: _____	
CONCRETE APRON:	<input type="checkbox"/> NOT PRESENT	<input checked="" type="checkbox"/> SLOPING AWAY <input type="checkbox"/> SUNKEN
LID CONDITION (STICKUP WELL ONLY):	<input checked="" type="checkbox"/> INTACT AND LOCKABLE	<input type="checkbox"/> DAMAGED
NUMBER OF BOLLARDS:	<u>3</u>	
BOLLARD CONDITION:	<input type="checkbox"/> NOT PRESENT	<input checked="" type="checkbox"/> STILL PLUMB <input type="checkbox"/> DAMAGED: _____
CASING DIAMETER:	<input checked="" type="checkbox"/> 2"	<input type="checkbox"/> 4" <input type="checkbox"/> 6"
	<input type="checkbox"/> 8"	<input type="checkbox"/> OTHER: _____
IS THE CASING IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
IS THERE A CAP ON THE MONITORING WELL?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF CAP:	<input type="checkbox"/> PVC SLIP CAP	<input checked="" type="checkbox"/> J-PLUG <input type="checkbox"/> EXPANSION
	<input type="checkbox"/> PRODUCTION W/TUBING	<input type="checkbox"/> OTHER: _____
LOCK MATERIAL:	<input checked="" type="checkbox"/> BRASS	<input type="checkbox"/> STAINLESS STEEL <input type="checkbox"/> OTHER: _____
LOCK SHANK LENGTH (estimated):	<u>2 7/16</u> INCHES	
LOCK LOCATION:	<input type="checkbox"/> WELL CAP	<input checked="" type="checkbox"/> MONUMENT <input type="checkbox"/> BOTH
ANY EVIDENCE OF TAMPERING WITH THE WELL CASING OR CAP?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
ANY ODORS?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
IF YES, DESCRIBE ODOR:	<input type="checkbox"/> SOLVENT	<input type="checkbox"/> HYDROGEN SULFIDE/ROTTEN EGGS
	<input type="checkbox"/> PETROLEUM	<input type="checkbox"/> OTHER: _____
WERE PICTURES TAKEN?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO

COMMON DEFICIENCIES

COMMON DEFICIENCIES:	<input type="checkbox"/> MISSING LOCK	<input type="checkbox"/> RUSTY STICK-UP
	<input type="checkbox"/> RUSTY BOLLARDS	<input type="checkbox"/> MISSING BOLTS
		NUMBER OF BOLTS MISSING: _____

ADDITIONAL NOTES OR COMMENTS ON CONDITION

New lock installed

GENERAL CONDITION (CHECK ONE): ☒ GOOD ☐ MODERATE ☐ POOR



NAS Whidbey Island
Oak Harbor, WA
Naval Facilities Engineering Command Northwest

GROUNDWATER MONITORING WELL VISUAL INSPECTION CHECKLIST

DATE(S) (MM/DD/YY): <u>10/13/2021</u>	TIME (HH:MM): <u>1735</u>	WEATHER/TEMPERATURE: <u>Cloudy, 50°</u>
INSPECTOR(S): <u>Alex McCarthy, Jeff Feters</u>		COMPANY: <u>Liberty JV</u>
OU AND SITE: <u>Site 11, FFF4</u>	DESCRIPTION: <u>INDUSTRIAL</u>	
WELL ID: <u>MW-114</u>	NORTHING: <u>489922.666</u>	EASTING: <u>1196122.375</u>

INSPECTION CHECKLIST

MONITORING WELL LOCATED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
WELL CLEARLY LABELED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
MONUMENT IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF WELL CASING:	<input checked="" type="checkbox"/> STICK-UP	<input type="checkbox"/> FLUSH-MOUNT <input type="checkbox"/> OTHER:
SIZE & NUMBER OF BOLTS ON FLUSH-MOUNT LID:		
SURROUNDING SURFACE MATERIAL:	<input type="checkbox"/> CONCRETE	<input type="checkbox"/> ASPHALT <input checked="" type="checkbox"/> SOIL
	<input type="checkbox"/> OTHER: _____	
CONCRETE APRON:	<input type="checkbox"/> NOT PRESENT	<input checked="" type="checkbox"/> SLOPING AWAY <input type="checkbox"/> SUNKEN
LID CONDITION (STICKUP WELL ONLY):	<input checked="" type="checkbox"/> INTACT AND LOCKABLE	<input type="checkbox"/> DAMAGED
NUMBER OF BOLLARDS:	<u>3</u>	
BOLLARD CONDITION:	<input type="checkbox"/> NOT PRESENT	<input checked="" type="checkbox"/> STILL PLUMB <input type="checkbox"/> DAMAGED: _____
CASING DIAMETER:	<input checked="" type="checkbox"/> 2"	<input type="checkbox"/> 4" <input type="checkbox"/> 6"
	<input type="checkbox"/> 8"	<input type="checkbox"/> OTHER: _____
IS THE CASING IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
IS THERE A CAP ON THE MONITORING WELL?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF CAP:	<input type="checkbox"/> PVC SLIP CAP	<input type="checkbox"/> J-PLUG <input type="checkbox"/> EXPANSION
	<input type="checkbox"/> PRODUCTION W/TUBING	<input checked="" type="checkbox"/> OTHER: <u>Twik-Lap - Rubber Slip Cap</u>
LOCK MATERIAL:	<input checked="" type="checkbox"/> BRASS	<input type="checkbox"/> STAINLESS STEEL <input type="checkbox"/> OTHER: _____
LOCK SHANK LENGTH (estimated):	<u>2 7/16</u> INCHES	
LOCK LOCATION:	<input type="checkbox"/> WELL CAP	<input checked="" type="checkbox"/> MONUMENT <input type="checkbox"/> BOTH
ANY EVIDENCE OF TAMPERING WITH THE WELL CASING OR CAP?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
ANY ODORS?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
IF YES, DESCRIBE ODOR:	<input type="checkbox"/> SOLVENT	<input type="checkbox"/> HYDROGEN SULFIDE/ROTTEN EGGS
	<input type="checkbox"/> PETROLEUM	<input type="checkbox"/> OTHER: _____
WERE PICTURES TAKEN?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO

COMMON DEFICIENCIES

COMMON DEFICIENCIES:	<input type="checkbox"/> MISSING LOCK	<input type="checkbox"/> RUSTY STICK-UP
	<input type="checkbox"/> RUSTY BOLLARDS	<input type="checkbox"/> MISSING BOLTS
		NUMBER OF BOLTS MISSING: _____

ADDITIONAL NOTES OR COMMENTS ON CONDITION

New lock installed

GENERAL CONDITION (CHECK ONE):

☒ GOOD

☐ MODERATE

☐ POOR



NAS Whidbey Island
Oak Harbor, WA
Naval Facilities Engineering Command Northwest

GROUNDWATER MONITORING WELL VISUAL INSPECTION CHECKLIST

DATE(S) (MM/DD/YY): <u>10/13/2021</u>	TIME (HH:MM): <u>1755</u>	WEATHER/TEMPERATURE: <u>Cloudy, 50°</u>
INSPECTOR(S): <u>Alex McCarthy, Jeff Fellers.</u>		COMPANY: <u>Liberty JV.</u>
OU AND SITE: <u>Site 11 FFF 4</u>	DESCRIPTION: <u>INDUSTRIAL</u>	
WELL ID: <u>MW-113.(491).</u>	NORTHING: <u>490110.901</u>	EASTING: <u>1196098.412</u>

INSPECTION CHECKLIST

MONITORING WELL LOCATED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
WELL CLEARLY LABELED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
MONUMENT IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF WELL CASING:	<input type="checkbox"/> STICK-UP	<input checked="" type="checkbox"/> FLUSH-MOUNT <input type="checkbox"/> OTHER:
SIZE & NUMBER OF BOLTS ON FLUSH-MOUNT LID: <u>0</u>		
SURROUNDING SURFACE MATERIAL:	<input checked="" type="checkbox"/> CONCRETE	<input type="checkbox"/> ASPHALT <input type="checkbox"/> SOIL
	<input type="checkbox"/> OTHER: _____	
CONCRETE APRON:	<input type="checkbox"/> NOT PRESENT	<input checked="" type="checkbox"/> SLOPING AWAY <input type="checkbox"/> SUNKEN
LID CONDITION (STICKUP WELL ONLY):	<input type="checkbox"/> INTACT AND LOCKABLE	<input type="checkbox"/> DAMAGED
NUMBER OF BOLLARDS: <u>0</u>		
BOLLARD CONDITION:	<input checked="" type="checkbox"/> NOT PRESENT	<input type="checkbox"/> STILL PLUMB <input type="checkbox"/> DAMAGED: _____
CASING DIAMETER:	<input checked="" type="checkbox"/> 2"	<input type="checkbox"/> 4" <input type="checkbox"/> 6"
	<input type="checkbox"/> 8"	<input type="checkbox"/> OTHER: _____
IS THE CASING IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
IS THERE A CAP ON THE MONITORING WELL?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF CAP:	<input type="checkbox"/> PVC SLIP CAP	<input checked="" type="checkbox"/> J-PLUG <input type="checkbox"/> EXPANSION
	<input type="checkbox"/> PRODUCTION W/TUBING	<input type="checkbox"/> OTHER: _____
LOCK MATERIAL:	<input checked="" type="checkbox"/> BRASS	<input type="checkbox"/> STAINLESS STEEL <input type="checkbox"/> OTHER: _____
LOCK SHANK LENGTH (estimated): <u>2 7/16</u> INCHES		
LOCK LOCATION:	<input checked="" type="checkbox"/> WELL CAP	<input type="checkbox"/> MONUMENT <input type="checkbox"/> BOTH
ANY EVIDENCE OF TAMPERING WITH THE WELL CASING OR CAP?	<input type="checkbox"/> YES	<input type="checkbox"/> NO
ANY ODORS?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
IF YES, DESCRIBE ODOR:	<input type="checkbox"/> SOLVENT	<input type="checkbox"/> HYDROGEN SULFIDE/ROTTEN EGGS
	<input type="checkbox"/> PETROLEUM	<input type="checkbox"/> OTHER: _____
WERE PICTURES TAKEN?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO

COMMON DEFICIENCIES

COMMON DEFICIENCIES:	<input type="checkbox"/> MISSING LOCK	<input type="checkbox"/> RUSTY STICK-UP
	<input type="checkbox"/> RUSTY BOLLARDS	<input checked="" type="checkbox"/> MISSING BOLTS
		NUMBER OF BOLTS MISSING: <u>3</u>

ADDITIONAL NOTES OR COMMENTS ON CONDITION

New lock installed.

GENERAL CONDITION (CHECK ONE):	<input checked="" type="checkbox"/> GOOD	<input type="checkbox"/> MODERATE	<input type="checkbox"/> POOR
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NAS Whidbey Island
Oak Harbor, WA
Naval Facilities Engineering Command Northwest

GROUNDWATER MONITORING WELL VISUAL INSPECTION CHECKLIST

DATE(S) (MM/DD/YY): <u>10/13/2021</u>	TIME (HH:MM): <u>1745</u>	WEATHER/TEMPERATURE: <u>Cloudy, 58°</u>
INSPECTOR(S): <u>Alex McElarthy, Jeff Fetters</u>		COMPANY: <u>Liberty JV.</u>
OU AND SITE: <u>Site 11 FFF4</u>	DESCRIPTION: <u>INDUSTRIAL</u>	
WELL ID: <u>MW-114 (491)</u>	NORTHING: <u>490155.393</u>	EASTING: <u>1196098.417</u>

INSPECTION CHECKLIST

MONITORING WELL LOCATED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
WELL CLEARLY LABELED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
MONUMENT IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF WELL CASING:	<input type="checkbox"/> STICK-UP	<input checked="" type="checkbox"/> FLUSH-MOUNT <input type="checkbox"/> OTHER:
SIZE & NUMBER OF BOLTS ON FLUSH-MOUNT LID:	<u>2 x 9/16</u>	
SURROUNDING SURFACE MATERIAL:	<input checked="" type="checkbox"/> CONCRETE	<input type="checkbox"/> ASPHALT <input type="checkbox"/> SOIL
CONCRETE APRON:	<input type="checkbox"/> OTHER: _____	<input type="checkbox"/> SUNKEN
LID CONDITION (STICKUP WELL ONLY):	<input type="checkbox"/> NOT PRESENT	<input checked="" type="checkbox"/> SLOPING AWAY
	<input type="checkbox"/> INTACT AND LOCKABLE	<input type="checkbox"/> DAMAGED
NUMBER OF BOLLARDS:	<u>0</u>	
BOLLARD CONDITION:	<input checked="" type="checkbox"/> NOT PRESENT	<input type="checkbox"/> STILL PLUMB <input type="checkbox"/> DAMAGED: _____
CASING DIAMETER:	<input checked="" type="checkbox"/> 2"	<input type="checkbox"/> 4" <input type="checkbox"/> 6"
	<input type="checkbox"/> 8"	<input type="checkbox"/> OTHER: _____
IS THE CASING IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
IS THERE A CAP ON THE MONITORING WELL?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF CAP:	<input type="checkbox"/> PVC SLIP CAP	<input checked="" type="checkbox"/> J-PLUG <input type="checkbox"/> EXPANSION
	<input type="checkbox"/> PRODUCTION W/TUBING	<input type="checkbox"/> OTHER: _____
LOCK MATERIAL:	<input type="checkbox"/> BRASS	<input type="checkbox"/> STAINLESS STEEL <input checked="" type="checkbox"/> OTHER: <u>None</u>
LOCK SHANK LENGTH (estimated):	_____ INCHES	
LOCK LOCATION:	<input type="checkbox"/> WELL CAP	<input type="checkbox"/> MONUMENT <input type="checkbox"/> BOTH
ANY EVIDENCE OF TAMPERING WITH THE WELL CASING OR CAP?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
ANY ODORS?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
IF YES, DESCRIBE ODOR:	<input type="checkbox"/> SOLVENT	<input type="checkbox"/> HYDROGEN SULFIDE/ROTTEN EGGS
	<input type="checkbox"/> PETROLEUM	<input type="checkbox"/> OTHER: _____
WERE PICTURES TAKEN?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO

COMMON DEFICIENCIES

COMMON DEFICIENCIES:	<input type="checkbox"/> MISSING LOCK	<input type="checkbox"/> RUSTY STICK-UP
	<input type="checkbox"/> RUSTY BOLLARDS	<input type="checkbox"/> MISSING BOLTS
		NUMBER OF BOLTS MISSING: <u>1</u>

ADDITIONAL NOTES OR COMMENTS ON CONDITION

Unable to install lock on well cap.

GENERAL CONDITION (CHECK ONE):	<input checked="" type="checkbox"/> GOOD	<input type="checkbox"/> MODERATE	<input type="checkbox"/> POOR
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NAS Whidbey Island
Oak Harbor, WA
Naval Facilities Engineering Command Northwest

GROUNDWATER MONITORING WELL VISUAL INSPECTION CHECKLIST

DATE(S) (MM/DD/YY): <u>10/13/2021</u>	TIME (HH:MM): <u>1750</u>	WEATHER/TEMPERATURE: <u>Cloudy, 50°</u>
INSPECTOR(S): <u>Alex McCarthy, Jeff Fellers</u>		COMPANY: <u>Liberty JV</u>
OU AND SITE: <u>Site 11, FFF4</u>	DESCRIPTION: <u>INDUSTRIAL</u>	
WELL ID: <u>MW-115/491</u>	NORTHING: <u>490153.682</u>	EASTING: <u>1196127.808</u>

INSPECTION CHECKLIST

MONITORING WELL LOCATED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
WELL CLEARLY LABELED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
MONUMENT IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF WELL CASING:	<input type="checkbox"/> STICK-UP	<input checked="" type="checkbox"/> FLUSH-MOUNT <input type="checkbox"/> OTHER:
SIZE & NUMBER OF BOLTS ON FLUSH-MOUNT LID: <u>2 x 9/16</u>		
SURROUNDING SURFACE MATERIAL:	<input type="checkbox"/> CONCRETE	<input type="checkbox"/> ASPHALT <input type="checkbox"/> SOIL
	<input type="checkbox"/> OTHER: _____	
CONCRETE APRON:	<input type="checkbox"/> NOT PRESENT	<input checked="" type="checkbox"/> SLOPING AWAY <input type="checkbox"/> SUNKEN
LID CONDITION (STICKUP WELL ONLY):	<input type="checkbox"/> INTACT AND LOCKABLE	<input type="checkbox"/> DAMAGED
NUMBER OF BOLLARDS:	<u>0</u>	
BOLLARD CONDITION:	<input checked="" type="checkbox"/> NOT PRESENT	<input type="checkbox"/> STILL PLUMB <input type="checkbox"/> DAMAGED: _____
CASING DIAMETER:	<input checked="" type="checkbox"/> 2" <input type="checkbox"/> 4" <input type="checkbox"/> 6" <input type="checkbox"/> 8"	<input type="checkbox"/> OTHER: _____
IS THE CASING IN GOOD CONDITION?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
IS THERE A CAP ON THE MONITORING WELL?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TYPE OF CAP:	<input type="checkbox"/> PVC SLIP CAP <input type="checkbox"/> PRODUCTION W/TUBING	<input checked="" type="checkbox"/> J-PLUG <input type="checkbox"/> EXPANSION
	<input type="checkbox"/> BRASS	<input type="checkbox"/> OTHER: _____
LOCK MATERIAL:	<input type="checkbox"/> BRASS	<input type="checkbox"/> STAINLESS STEEL <input checked="" type="checkbox"/> OTHER: <u>None</u>
LOCK SHANK LENGTH (estimated):	_____ INCHES	
LOCK LOCATION:	<input type="checkbox"/> WELL CAP	<input type="checkbox"/> MONUMENT <input type="checkbox"/> BOTH
ANY EVIDENCE OF TAMPERING WITH THE WELL CASING OR CAP?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
ANY ODORS?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
IF YES, DESCRIBE ODOR:	<input type="checkbox"/> SOLVENT <input type="checkbox"/> PETROLEUM	<input type="checkbox"/> HYDROGEN SULFIDE/ROTTEN EGGS <input type="checkbox"/> OTHER: _____
WERE PICTURES TAKEN?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO

COMMON DEFICIENCIES

COMMON DEFICIENCIES:	<input type="checkbox"/> MISSING LOCK <input type="checkbox"/> RUSTY BOLLARDS	<input checked="" type="checkbox"/> RUSTY STICK-UP <input checked="" type="checkbox"/> MISSING BOLTS
		NUMBER OF BOLTS MISSING: <u>1</u>

ADDITIONAL NOTES OR COMMENTS ON CONDITION

Unable to install lock on well cap.

GENERAL CONDITION (CHECK ONE): ☒ GOOD ☐ MODERATE ☐ POOR

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Appendix D: Field Notes

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10/12/21

0700	Arrive @ Paso de Ito.
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1355 START INSPECTION @ JUS AREA 52.

1450 START INSPECTION @ OUR AREA 1

1400 START INSPECTION @ DUZ AREA 4

045. AREA 52

K1	0095
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K2	0167-
----	-------

K3	0097
----	------

K4	0096
----	------

KS	0098
----	------

KL	0099
----	------

K7	0100.
----	-------

K8	0108.
----	-------

k 9	0101
-----	------

K10	0102
-----	------

k11	0103
-----	------

k12	0104
-----	------

k13	0105
-----	------

K14	0106
-----	------

Contains building numbers.

Repaired. Well lower

Seawall resting.

Rite in the Rain.

[illegible]

10/13/2021		LAKE HANCOCK.		✓	
0735	Arrive @ Lake Hancock Rocky Way Gate. Safety & Tangle.	01	0154.		
		02	0130		
		03	0138.		
		04	0137.		
0850	Gain Access to Lake Hancock.	05	0136		
		06	0134	06.1 New	0135 Fencing.
			0133.		
1245	Leave Lake Hancock.	07	More broken 07.1	0131	07.2 0132 Broken fence
		08	0142	08.1	0139 Broken fence.
1315	Start Inspection @ 0124 Areas 48/4.	09	0140.	09.1 Required	0153
		010	0141		
1500	Start Inspection @ 0122	011	0145.		
1600	Start Inspection @ TCE Tank	012	0146.	Access still possible.	
1650	Start Inspection @ FFF 4	013	0144		
		014	0143.		
1800	All crew off-base	015	0148.	0147 S. to Overseer	
		016			
		017	0150.		
		018			
		019	0151		
		020	0149.		
		020.1	0152	South side overruns.	New
		030	0156		
		030-1	0155		
		029	0157	029-1 New fence & S. to Overseer	Put in the Run

8	Lane Hancock Continued		✓	OLD AREAS 48/49		✓
032.	0159	New Signage.		H12	0171.	
033	0160.			H13	Not taken - no longer relevant.	
033.1	0161	<u>Repaired fence.</u>		H15	0172.	
034/036	0162			Now 4 H18.	0173	Site overrun facing West.
038	0163.			H20 ² 0174		
038.1	164	NEW SEA site overrun.		H21	0175	
037	0165			H22	0176.	
035	—	Trashcan gone.		NEW	0177	Potential Erosion.
040	0166.					On South Side → exposure of
025.	0167.					file, concrete, concrete
024	0168			H23	0178.	bar.
021.	0167.			H24	0179.	
022	0170.			H16	0180	H19 0193
				H14	0181	H19 0194
				H25	0182	
				H26	0183	
				H27.1	0184	
				H27.2	0185	
				H8/H7	0186.	
				H1	0187.	
				H2	0188	
				H3	0189	
				H4	0190	
				H5	0191	
				H6	0192	
						Rat in the Pen

DCN: LBJV-5006-4104-0009

Rite in the Rain

10/14/2021

Side 22 Hango 5

Site 16 (a-c) Running Ditches
005 Area 31

1330	Collected photo of MW-373 @ FFF1
	Photo ID 314

1460 Start Inspection @ MGRS 1542

1636 Start inspection @ SW Area 5.

1715 Street inspection @ 042 Area 3.

1305	All crew off-bore.
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Site 22 Hanga 5

42	261.	H5-MW-3
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LA	262	45-MW-2
----	-----	---------

L3	263	H5-MW-1
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Rite in the Rain.

16 RUNWAY DETOURS ✓			17 ✓		
G28	264	16b Ditch facing south	G9.3	285	Secondary 8km south of Main 16c stem facing West
G28.1	265	16b Ditch facing north	G9.4	286	Secondary 8km facing east
G31	266	16b Looking north (west arm)	G7	287	16c 4 intersection facing West
G31.1	267	16b Looking east (east arm)	G8	288	16c @ 4 facing east
G31.2	268	16b Dammed Weir	G6	289	16c P eastern road facing west
G31.3	269	16b Weir / filter	G6.1	290	16c part road facing NE
G28.1	271	16b facing southern arm	G4	291	16c eastern end culvert
G28.2	270	16b facing north southern arm	G5	292	16c eastern end facing SW
G29	272	16b facing north from southern end	G3	293	16a eastern end facing west
G17	273	16c facing North	G2	294	16a middle facing East
G18	274	16c facing South	G2.1	295	16a middle facing West
G17.1	275	16c intersection looking east	G37	304	16c New portion intersection facing NW
G14	276	16c facing south @ intersection	G38	305	16c New portion intersection facing NE
G15	277	16c facing north @ O. Spill	G36	306	16 southern portion of NW Area south of taxiway facing South
G12	278	16c @ south to east and facing south	G26	307	Southern portion 16c west end facing east
G12.1	279	16c @ south to east and facing east	G26.1	308	
G11	280	16c Main facing east	G24	309	facing west
G10	281	16c facing north		310	facing east
G10.1	282	16c outfalls into 16c Main			Southern end 16a middle
G9	283	16c Main facing east			
G9.1	284	16c Main facing west			

Return to Rain

DCN: LBJV-5006-4104-0009

20	MGRs B & C.	✓	21		✓
316	Site Overview from Southern boundary near road facing N.		331	Site overview facing east from western boundary (middle).	
317	Site Overview from SE corner facing NW.		332	Site overview from SW corner facing NE.	
318	Perimeter along Southern boundary		333	Site overview from SW corner facing East along boundary.	
M1, M2 319	NE Corner facing SW.				
M13 320	Site overview from East boundary facing SW.				
321	Site overview from East boundary facing NW.				
322	Site overview facing south from eastern boundary (where road crosses).				
323	Site overview facing west from eastern boundary (where road crosses).				
324	Gate @ NE boundary				
325	Signage at NW corner				
326	Signage at NW corner				
327	Western boundary from NW corner.				
	→ Access road next boundary.				
328	Western boundary overview from NW boundary corner				
329	Site overview facing E				
330	Site overview facing SE from NW corner.				

Plot in the Rain

✓

D

✓₂₃

Sum
1000000

Rite in the Rain

24

10/15/2021

0715. Access Scapton Base

0730	Safety & Toolbox		
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0748 Start inspection (c) FFF

1205	Start	002	Area 29.
------	-------	-----	----------

~~1245~~
~~1300~~ Start inspection MTTR.

1920 Start insprechen @ 042 Anz 2.

1575 All crew off-base.

0
E.E. 36 FFR

~~353~~ ~~Mat 53~~ + ~~Mat 53~~

354	MW-503.	314	MW343
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356	MW-337
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357	MW-502
-----	--------

358	MW-501
-----	--------

359	MW - 601
-----	----------

360.	MW-602
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361 MW-331

362	MW-603
-----	--------

3103 MW-604-

364	Md-344
-----	--------

36.5	MW-333
------	--------

344	NW-332
-----	--------

367	MW-330
-----	--------

369	MW-337
-----	--------

369	MW-338
-----	--------

370	MW-342
-----	--------

371	MW - 338
-----	----------

372 lower area into overbank
from west side facing SE

373	MIN-315
-----	---------

374 Site overruns from NE boundary.

101 - ~~SNV 375~~ MW - 20'

002 MW-517

Rite in the Rain

D-15
CUI/FEDCON

28	000-00	002 AREA 29.	✓		MTTR	✓ 29
F1	35.	29-MW-4			49	Southern boundary near Loc
	36	Gate on N side				line from NW
F7	37	N29-20.			50	Southern boundary facing E
	38	East boundary looking W		N18	51	Looking SE
	39	East boundary looking S.		N18	52	Looking E-SE
	40	MW 628.		N19	53	MW 613.
	41	Site across SE corner looking W			54	NE corner facing W.
	42	Observed signage along southern boundary		N20	55	Middle of eastern boundary facing SW.
	43	SW corner facing North.			56	Gate leading to MTTR
	44	N29-220				SW corner
	45	Site across NW corner facing S.			57	Stored drums in secondary containment.
	46	MW 629			58	Northside label on steel drum
	47.	Western boundary looking east.			59	SE corner looking NW
	48	Signage along southern boundary		60	Signage in SE corner	
				62	end of NW fence line	
				63	NW fence line facing East	
				61	Signage on Northwest	
				64	North fence line facing E	
				65	North fence line facing W	

Rite in the Rain

Return to the Rain.

		30	31
	Ou 2 AREA 2		
	66 Site overview from SE corner looking NW / East looking South		
	67 N2-9.		
	68 Site overview from SE corner facing NW		
	69 N2-B		
	70 East side looking SW		
C7	71 Central ridge and facing East		
	72 SW corner facing NE		
	73 SW boundary along rd in road bed		
O11	74 N2-J		
	75 N2-6C		
	76 NE point looking SW		
	79 Signage @ NE point		

32	10/16/2021				33
	715	Arrive in Base			80
	725	Arrive Site & Toulgash			82
	735	Start inspection @ FFF3			83
	1230	Start inspection @ OUI Area 4			84
					85
					86
					87
					88
					89
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					91
					92
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					94
					95
					96
					97
					98

SITE FFF3

Site overview South area from SW Corner.

MW-372

MW-371

Southern boundary of south area facing N.

MW-368.

MW-369

Southern area site overview from MW-369 facing NW.

MW-302.

Western boundary of southern area looking NE

MW-361

MW-362

Middle of southern area looking East from MW-362

MW-360

MW-501

MW-359.

MW-507

Middle of southern area looking West from MW-507

MW-358.

Rita in the Rain

34		
	99	MW-506
	100	MW-303
	101	Pk overview from treeline corner in southern area facing West
	102	MW-357
	103	MW-356 inside
	104	MW-354
	105	From eastern boundary of southern area facing NW.
	106	MW-355
R70	107	NE Corner of southern area facing SW → construction stockpiles have been removed
R42	108	3 Signage in NE Corner
R43	109	
	110	MW-337
	111	Dumped construction debris west of MW 337
	112	MW-305
	114	MW-502
	115	MW-325
	116	Site overview from NW corner of southern area facing East
	117	Pave spot facing South
	118	Western boundary facing East.

		North Area FFF3	35
	119	MW-352	
	120	OWS	
	121	MW-503	
	122	MW-353	
	123	MW-354	
	124	Site overview SE corner facing W.	
	125	MW-003	
	126	MW-304	
	127	NE corner facing S	
	128	NE corner facing SW.	
	129	MW-305	
	130	MW-002	
	131	MW-002	
	133	MW-701	
	134	Signage along southern boundary of North Area	
	135	MW-505	
	136	MW-504	
	137	MW-001	
	138		
	139	MW-303	
	140	SW corner facing East	
	141	SW corner facing North	
	142	MW-311	
		Rite in the Rain	

OUT AREA 6.		37
146	G-S-7	
147	NW Corner looking S along boundary	
148	G-S-30	
149	Downed tree compromised fence along western boundary by G-S-30	
150	G-S-31	
151	MW-7.	
152	W boundary looking south from MW-7.	
153	} PW-3	
154		
155	G-S-6.	
156	Compromised fencing along W boundary by RV post	
157	G-S-25	
158	SW-W corner facing N	
159	SW-W corner facing E	
160	} PW-5	
161		
162	} PW-6	
163		
164	} PW-7	
165		

Rite in the Rain

38

166	Site overview from SW (middle)
	corner: N
167	" NE
168	" E
169	} PW-2
170	
171	G-S-22.
172	MW-5.
173	} PW-4
174	
175	SW most corner SW facing N
176	SW " " facing E
177	G-S-29.
178	G-S-19.
180	} Continued fence line on SE corner
181	
182	eastern boundary from SE corner
179	G-S-3
183	eastern boundary from SE corner w/ new gate.
184	Barrier & sign along southern boundary
185	PW-9
186	PW-9 & Drums stored within PW-9 fencing.

39

187	MW-9.	
188	} PW-8	
189		
190	Site overview from PW-8 facing NW	
Same location	191	N
	192	E
193	} Overview of landfill cap from W border	
194		
195	SE	
196	Site overview from Northern Cap one: facing NE	
197	" facing E	
198	N6-38.	
199	200 G-S-10	
200	201 G-S-26.	
201	N6-37	
202	} PW-1	
203		
204	G-S-14.	
205	G-S-15	
206	Landfill cap overview looking SE from G-S-15	
207	MW-10	

Put in the Rain

40

41

Rite in the Rain.

Appendix E: Drinking Water Well Evaluation

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Appendix E – Drinking Water Well Evaluation

Land use controls (LUCs) at specified areas/sites at Naval Air Station (NAS) Whidbey Island include restrictions on the use of groundwater within or downgradient of these areas and well installation activities downgradient of these areas, except for monitoring and remediation purposes as authorized by United States Environmental Protection Agency (U.S. EPA) and/or Washington State Department of Ecology (Ecology). The areas/sites at NAS Whidbey Island where these LUC requirements apply are:

- Operable Unit (OU) 1, Area 6, Current (1969-1980s) Landfill
- OU 2, Area 2, Western Highlands Landfill
- OU 2, Area 3, 1969-1970 Landfill
- OU 2, Area 4, Walker Barn Storage Area
- OU 2, Area 29, Clover Valley Fire School
- OU 5, Area 1, Beach Landfill
- OU 5, Area 31, Former Runway Fire Training School
- OU 5, Area 52, Jet Engine Test Cell
- Site 22, Hangar 5
- Site 36, Former Fuel Farm 1
- Site 35, Former Fuel Farm 2
- Site 13, Former Fuel Farm 3
- Site 11, Former Fuel Farm 4

These areas/sites are located at both the Ault Field and Seaplane Base portions of NAS Whidbey Island. While each of these areas/sites was inspected for evidence of unauthorized well installation or drilling activity, additional effort beyond the site inspection is required to ensure that restrictions on on-site and downgradient well installation and groundwater use are being properly and effectively implemented.

As part of the LUC inspection process, well installation or drilling activities within the boundary of Ault Field and Seaplane Base, as well as within an approximate 1-mile buffer around the boundary of each LUC with drinking water restrictions, are identified (Liberty JV, 2021a). Figures E-1 and E-2 show the 1-mile buffer for sites/areas on Ault Field and Seaplane Base, respectively. Figure E-1 also illustrates the approximate groundwater flow direction in the vicinity of these area/sites (Liberty JV, 2021b). The Island County Public Health database was queried to provide a map and list of all wells

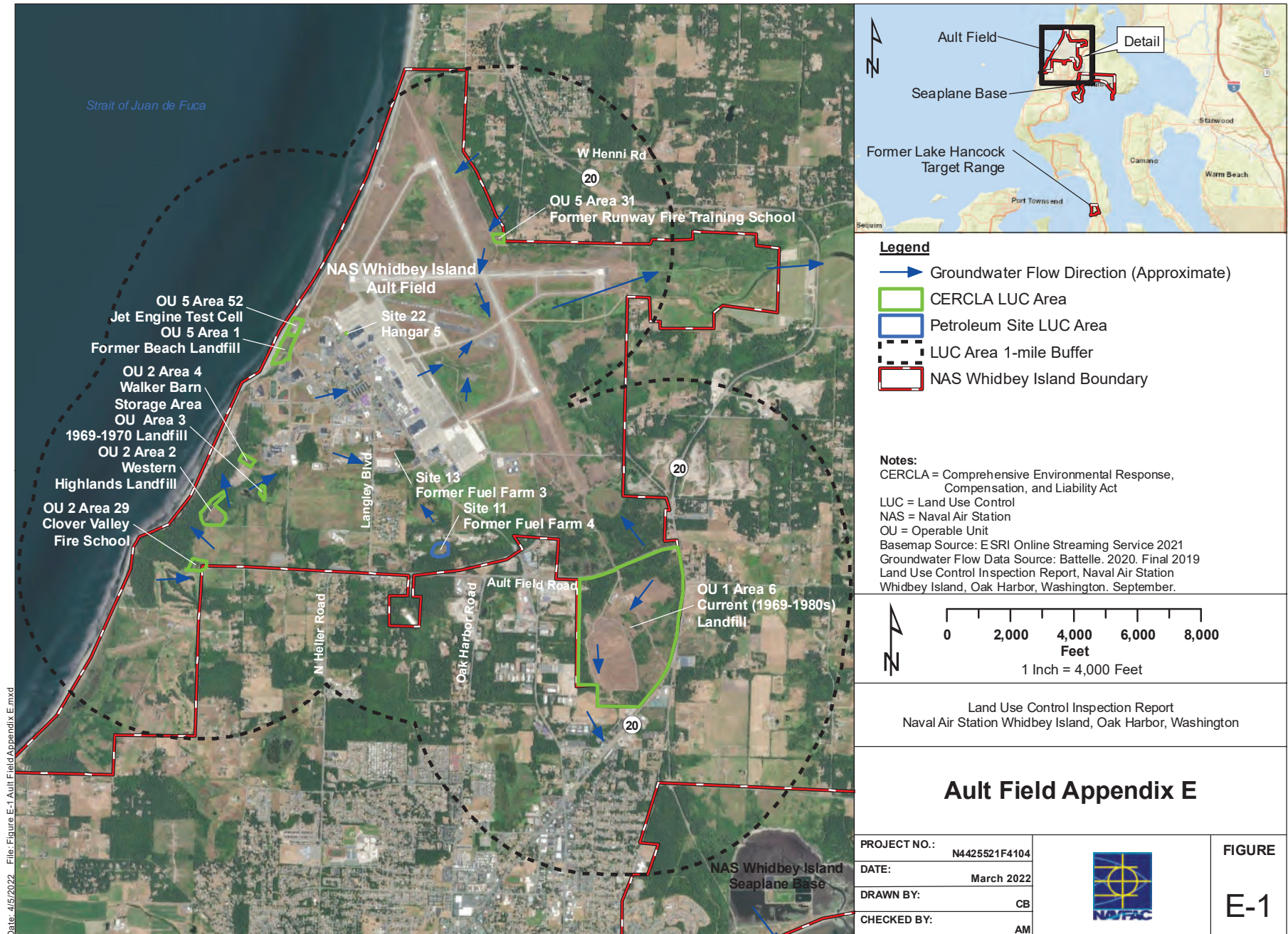
(including the well's respective owner name, address, depth, and completion data) installed within this specific area between 21 January 2021 (the date of the 2020 LUC Inspection Report drinking water well query) and 29 November 2021 (the date of the 2021 LUC Inspection Report Island County Public Health query).

No domestic wells were found to have been installed within the 1-mile buffer in the reporting period. The absence of domestic wells installed within the 1-mile buffer in the reporting period, coupled with the groundwater flow directions presented on Figure E-1, indicate that there were no domestic or resource protection wells installed during the reporting period that are located within the boundaries or downgradient of areas/sites with these LUC restrictions.

LUC restrictions on well installation activities and groundwater use within and downgradient of the specific areas/sites listed above are considered to have been properly and effectively implemented to protect human receptors from exposure to groundwater from these areas/sites.

References

- Liberty JV. 2021a. *Final 2021 Land Use Controls Inspection Work Plan*, Naval Air Station Whidbey Island, Oak Harbor, Washington, and Naval Ocean Processing Facility Coos Head, Charleston, Oregon. Contract No. N44255-20-D-5006, Delivery Order No. N4425521F4104. October.
- Liberty JV. 2021b. *Final 2020 Land Use Controls Inspection Report*, Naval Air Station Whidbey Island, Oak Harbor, Washington. Contract No. N44255-20-D-5006. Delivery Order No. N4425520F4289. June.



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Date: 4/5/2022 File: Figure E-2 Seaplane Base Appendix E.mxd

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