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STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY
Southwest Region Office
PO Box 47775 • Olympia, Washington 98504-7775 • 360-407-6300

STATE ENVIRONMENTAL POLICY ACT
DETERMINATION OF NONSIGNIFICANCE

Date of Issuance: February 6, 2023

Lead agency: Department of Ecology, Toxics Cleanup Program, Southwest Region

Agency Contact: Andrew Smith, Cleanup Project Manager, andrew.smith@ecy.wa.gov, 360-407-6316

Permit Number: Work is to be performed under the authority of a Model Toxics Control Act Agreed Order No. DE 19602

Description of proposal: The proposed action includes conducting remedial action in three localized areas of the Site (referred to as the MW-5, MW-6, and MW-11 areas) and implementing institutional controls in a fourth area (referred to as the truck loading rack area). The four areas are referred to herein as the "Project Area".

The remedial action in the MW-5 and MW-6 areas consists of removal of readily accessible petroleum containing soil and installation of a groundwater recirculation system to contain and treat two limited areas with dissolved phase petroleum hydrocarbons in groundwater. The petroleum-affected soil will be removed from the vadose zone, which is approximately 12 feet in depth in the remedial action areas. The excavations will be backfilled with gravel to approximately two feet below grade. The upper two feet will be capped with a low permeability clay fill cap. An injection gallery will be constructed within each excavated area during the backfill process to allow injection of treated, amended water.

The recirculation system will consist of the installation of groundwater extraction wells around the defined extent of the dissolved phase petroleum hydrocarbons in shallow groundwater. The groundwater will be extracted using submersible pumps, and then routed to a common holding tank and treatment enclosure. Groundwater treatment is anticipated to consist of a coalescing plate separator and granulated carbon adsorption.

Following extraction and treatment, the extracted groundwater will be amended with biostimulants and reinjected into the backfilled excavations via the injection gallery for infiltration. The groundwater extraction points will then pull this amended water through the

impacted zone, forming a recirculation treatment cell. The continuous recirculation of amended water through the impacted zones is designed to actively enhance the biodegradation of residual contaminants of concern in soil and groundwater.

Injection of liquid micron-scale adsorbents and biostimulants will be conducted to address petroleum hydrocarbons in groundwater present in a limited area around well MW-11. An estimated 6-foot by 6-foot injection grid would be used in this area and reagents would be slowly injected at multiple depth intervals through direct-push injection points equipped with a surface seal to preclude daylighting.

The petroleum contaminated vadose-zone soils near the truck loading rack have been biodegrading over the past 20 years. We anticipate biodegradation of these petroleum contaminated soils will continue. Monitored natural attenuation of the petroleum contaminated soils was the remedy selected for this area.

The groundwater will be monitored following the remedial action to assess the condition of the groundwater with respect to contamination in each area. An environmental covenant will be placed on the property documenting that soil or groundwater contamination remains on the Site.

Location of proposal: The work will be employed at 5420 NW Fruit Valley Road, Vancouver, WA.

Applicant/Proponent: NuStar Terminals Operations Partnership L.P.
19003 IH-10 West
San Antonio, Texas 78257

Project Representative: Renee Robinson, P.G.
Manager Remediation
Renee.Robinson@NuStarEnergy.com
210-918-2975

Ecology has determined that this proposal will not have a probable significant adverse impact on the environment. An environmental impact statement (EIS) is not required under RCW 43.21C.030(2)(c). We have reviewed the attached Environmental Checklist, as well as the Supplemental Remedial Investigation/Feasibility Study and public review draft Cleanup Action Plan.

These documents are available at:

- Vancouver Community Library, 901 C Street, Vancouver, WA 98660
- Ecology Lacey Office (by appointment), 300 Desmond Drive SE, Lacey, WA 98503

This determination is based on the following findings and conclusions:

- The project will reduce concentrations of petroleum hydrocarbons and constituents in the soil and groundwater.
- Engineering design documents will be prepared and approved by Ecology to ensure all on-site work will be performed in accordance with applicable standards and use of best management construction and erosion control practices.
- Contaminated soils will be managed in accordance with a previously approved (by Ecology) soils testing and disposal plan.
- The work will be conducted under the requirements of a construction stormwater NPDES permit, which requires adherence with a stormwater pollution prevention plan.
- The injection of treated groundwater and liquid biostimulants will be conducted under the requirements of the Washington Underground Injection Control program.
- The Ecology cleanup project manager will provide oversight during project construction.

The comment period for this DNS corresponds with the comment period for the Remedial Investigation/Feasibility Study, Public Review Draft Cleanup Action Plan and associated Agreed Order. The comment period begins on February 9, 2023, and ends on March 10, 2023.

Responsible official: Rebecca S. Lawson, P.E., LHG
Section Manager
Toxics Cleanup Program
Southwest Region Office
Department of Ecology
P.O. Box 47775
Olympia, WA 98504-7600
360-407-6241

Signature Rebecca S Lawson **Date** 2/6/2023

SEPA ENVIRONMENTAL CHECKLIST

Purpose of checklist:

Governmental agencies use this checklist to help determine whether the environmental impacts of your proposal are significant. This information is also helpful to determine if available avoidance, minimization or compensatory mitigation measures will address the probable significant impacts or if an environmental impact statement will be prepared to further analyze the proposal.

Instructions for applicants:

This environmental checklist asks you to describe some basic information about your proposal. Please answer each question accurately and carefully, to the best of your knowledge. You may need to consult with an agency specialist or private consultant for some questions. You may use "not applicable" or "does not apply" only when you can explain why it does not apply and not when the answer is unknown. You may also attach or incorporate by reference additional studies reports. Complete and accurate answers to these questions often avoid delays with the SEPA process as well as later in the decision-making process.

The checklist questions apply to all parts of your proposal, even if you plan to do them over a period of time or on different parcels of land. Attach any additional information that will help describe your proposal or its environmental effects. The agency to which you submit this checklist may ask you to explain your answers or provide additional information reasonably related to determining if there may be significant adverse impact.

Instructions for Lead Agencies:

Please adjust the format of this template as needed. Additional information may be necessary to evaluate the existing environment, all interrelated aspects of the proposal and an analysis of adverse impacts. The checklist is considered the first but not necessarily the only source of information needed to make an adequate threshold determination. Once a threshold determination is made, the lead agency is responsible for the completeness and accuracy of the checklist and other supporting documents.

Use of checklist for nonproject proposals:

For nonproject proposals (such as ordinances, regulations, plans and programs), complete the applicable parts of sections A and B plus the SUPPLEMENTAL SHEET FOR NONPROJECT ACTIONS (part D). Please completely answer all questions that apply and note that the words "project," "applicant," and "property or site" should be read as "proposal," "proponent," and "affected geographic area," respectively. The lead agency may exclude (for non-projects) questions in Part B - Environmental Elements –that do not contribute meaningfully to the analysis of the proposal.

A. Background [HELP]

1. Name of proposed project, if applicable:

Vancouver Annex Terminal Cleanup Action Plan

2. Name of applicant:

NuStar Terminals Operations Partnership L.P. (NuStar)

3. Address and phone number of applicant and contact person:

Contact Person: Renee Robinson, P.G.
Address: 19003 IH-10 West
San Antonio, Texas 78257
Phone: (210) 918-2975

4. Date checklist prepared:

March 9, 2021

5. Agency requesting checklist:

Washington Department of Ecology (Ecology)

6. Proposed timing or schedule (including phasing, if applicable):

Activity	Anticipated Timing
Install additional compliance monitoring wells and conduct groundwater aquifer testing	Within three months following execution of Agreed Order between Ecology and NuStar
Design groundwater recirculation system	Within three months of completing aquifer testing
Injection of plume stabilizing liquid near well MW-11	Within six months following execution of Agreed Order between Ecology and NuStar
Initiate development of institutional controls for soil in truck loading rack area, including preparation of a soil management plan.	Within six months following execution of Agreed Order between Ecology and NuStar
Removal of readily accessible petroleum containing soil in two areas of Site.	Within six months of completing aquifer testing
Obtain permits for remedial system	Within three to six months of Ecology approval of groundwater recirculation system design.
Install groundwater recirculation system	Within two months of obtaining necessary permits.
Activate groundwater recirculation system	Within one month of completing installation.
Operate and maintain groundwater recirculation system	From implementation until remedial action goals are achieved.

7. Do you have any plans for future additions, expansion, or further activity related to or connected with this proposal? If yes, explain.

Not at this time.

8. List any environmental information you know about that has been prepared, or will be prepared, directly related to this proposal.

A Supplemental Remedial Investigation and Revised Feasibility Study (SRI/FS) report dated October 23, 2020 has been prepared and discusses the environmental conditions at the Site.

9. **Do you know whether applications are pending for governmental approvals of other proposals directly affecting the property covered by your proposal? If yes, explain**.

Yes. Final approval of the Cleanup Action Plan is pending by Ecology.

10. List any government approvals or permits that will be needed for your proposal, if known.

- A licenced well driller will need to file a Notice of Intent (NOI) with Ecology for the installation of groundwater extraction wells associated with the recirculation system.
- A permit for the re-injection of treated and enhanced groundwater will be needed from the Washington Underground Injection Control program.
- A permit will be needed from the Washington Underground Injection Control program for the injections of liquid micron-scale adsorbents and biostimulants in one localized area of the Site.
- Ecology will need to approve the final design for the groundwater recirculation system.

11. Give brief, complete description of your proposal, including the proposed uses and the size of the project and site. There are several questions later in this checklist that ask you to describe certain aspects of your proposal. You do not need to repeat those answers on this page. (Lead agencies may modify this form to include additional specific information on project description.)

The proposed action includes conducting remedial action in three localized areas of the Site (referred to as the MW-5, MW-6, and MW-11 areas) and implementing institutional controls in a fourth area (referred to as the truck loading rack area). The four areas are referred to herein as the "Project Area". The "Site" as used herein is defined by the Washington Model Toxic Control Act (MTCA) as the extent where chemicals of potential concern are or may have been historically present and "Facility" refers to property owned and operated by NuStar which contains the Site. The location of the Facility is shown on Figure 1. The extent of the Site, and the locations of MW-5, MW-6, MW-11, and the truck loading rack area are shown on Figure 2.

The remedial action in the MW-5 and MW-6 areas consists of removal of readily accessible petroleum containing soil and installation of a groundwater recirculation system to contain and treat two limited areas with dissolved phase petroleum hydrocarbons in groundwater. The petroleum-affected soil will be removed from the vadose zone, which is approximately 12 feet in depth in the remedial action areas. The excavations will be backfilled with gravel to approximately two feet below grade. The upper two feet will be capped with a low permeability

clay fill cap. An injection gallery will be constructed within each excavated area during the backfill process to allow injection of treated, amended water.

The recirculation system will consist of the installation of groundwater extraction wells around the defined extent of the dissolved phase petroleum hydrocarbons in shallow groundwater. The groundwater will be extracted using submersible pumps, and then routed to a common holding tank and treatment enclosure. Groundwater treatment is anticipated to consist of a coalescing plate separator and granulated carbon adsorption. Following extraction and treatment, the extracted groundwater will be amended with biostimulants and reinjected into the backfilled excavations via the injection gallery for infiltration. The groundwater extraction points will then pull this amended water through the impacted zone, forming a recirculation treatment cell. The continuous recirculation of amended water through the impacted zones is designed to actively enhance the biodegradation of residual contaminants of concern in soil and groundwater. A pilot test will be conducted to develop the final design of the recirculation system.

Injection of liquid micron-scale adsorbents and biostimulants will be conducted to address petroleum hydrocarbons in groundwater present in a limited area around well MW-11. An estimated 6-foot by 6-foot injection grid would be used in this area and reagents would be slowly injected at multiple depth intervals through direct-push injection points equipped with a surface seal to preclude daylighting.

A conceptual deployment scenario for the remedial action is shown on Figure 3 and includes the estimated extent of the excavations in the MW-5 and MW-6 areas.

12. Location of the proposal. Give sufficient information for a person to understand the precise location of your proposed project, including a street address, if any, and section, township, and range, if known. If a proposal would occur over a range of area, provide the range or boundaries of the site(s). Provide a legal description, site plan, vicinity map, and topographic map, if reasonably available. While you should submit any plans required by the agency, you are not required to duplicate maps or detailed plans submitted with any permit applications related to this checklist.

Location of the project is: 5420 NW Fruit Valley Road, Vancouver, Washington.
Section-Township-Range: NW ¼, S16, T2N, R1E
A Facility Location Map is provided in attached Figure 1, and includes that topography of the Site as well as the surrounding properties; a plan showing the Site area is provided on Figure 2.

B. Environmental Elements [HELP]

1. *Earth* [help]

a. General description of the site:

(circle/highlight one): Flat, rolling, hilly, steep slopes, mountainous, other _____

b. What is the steepest slope on the Site (approximate percent slope)?

The Site contains several tank farms which are enclosed in earthen berms with approximate 2:1 slopes.

c. **What general types of soils are found on the site (for example, clay, sand, gravel, peat, muck)? If you know the classification of agricultural soils, specify them and note any agricultural land of long-term commercial significance and whether the proposal results in removing any of these soils**.

Soils at the Site consist of clayey silt, silt with some fine sand, and sandy silt to depths of approximately 28 to 35 feet bgs. There is no agricultural land of long-term commercial significance on the Site.

d. Are there surface indications or history of unstable soils in the immediate vicinity? If so, describe.

No, there are no surface indications or known history of unstable soils in the immediate vicinity.

e. **Describe the purpose, type, total area, and approximate quantities and total affected area of any filling, excavation, and grading proposed. Indicate source of fill**.

Soil will be removed from two areas of the Site to a depth of 12 feet below ground surface to remove petroleum containing soil from the vadose zone. The areal extent of one of the removal areas is approximately 80 feet by 40 feet; the areal extent of the second area is approximately 50 feet by 75 feet. The excavations will be backfilled with commercially available gravel fill to within two feet of the ground surface; the upper two feet will be filled with a low permeability clay fill cap. The commercial source of gravel and clay fill will be identified at the design stage of the project.

f. **Could erosion occur as a result of clearing, construction, or use? If so, generally describe**.

No.

g. About what percent of the site will be covered with impervious surfaces after project construction (for example, asphalt or buildings)?

The project will not affect or change the percent of coverage of the Site by impervious surfaces.

h. Proposed measures to reduce or control erosion, or other impacts to the earth, if any:

Excavation will be conducted within areas already bermed by earthen berms; therefore, erosion control will not be needed.

2. Air [help]

a. **What types of emissions to the air would result from the proposal during construction, operation, and maintenance when the project is completed? If any, generally describe and give approximate quantities if known**.

None.

b. **Are there any off-site sources of emissions or odor that may affect your proposal? If so, generally describe**.

No.

c. **Proposed measures to reduce or control emissions or other impacts to air, if any**:

Not Applicable.

3. Water [help]

a. **Surface Water: [help]**

1) **Is there any surface water body on or in the immediate vicinity of the Site (including year-round and seasonal streams, saltwater, lakes, ponds, wetlands)? If yes, describe type and provide names. If appropriate, state what stream or river it flows into**.

No. The closest surface water body is Vancouver Lake, which is more than 2,500 feet to the west-northwest.

2) **Will the project require any work over, in, or adjacent to (within 200 feet) the described waters? If yes, please describe and attach available plans**.

No.

3) **Estimate the amount of fill and dredge material that would be placed in or removed from surface water or wetlands and indicate the area of the site that would be affected. Indicate the source of fill material**.

Not applicable.

4) **Will the proposal require surface water withdrawals or diversions? Give general description, purpose, and approximate quantities if known**.

No.

5) **Does the proposal lie within a 100-year floodplain? If so, note location on the site plan**.

No.

6) **Does the proposal involve any discharges of waste materials to surface waters? If so, describe the type of waste and anticipated volume of discharge**.

No.

b. **Ground Water: [help]**

1) Will groundwater be withdrawn from a well for drinking water or other purposes? If so, give a general description of the well, proposed uses and approximate quantities withdrawn from the well. Will water be discharged to groundwater? Give general description, purpose, and approximate quantities if known.

An anticipated 18 to 20 groundwater extraction wells will be installed and operated as a part of the groundwater recirculation system. It is anticipated that each well will extract groundwater at a rate of approximately 1 gallon per minute for a total extraction rate of approximately 20 gallons per minute. The groundwater will be treated to remove dissolved phase petroleum hydrocarbons, amended with biostimulants (e.g., oxygen). The extracted, treated and amended groundwater will be reinjected into the subsurface via an injection gallery constructed within the soil excavation areas.

2**) Describe waste material that will be discharged into the ground from septic tanks or other sources, if any (for example: Domestic sewage; industrial, containing the following chemicals. . . ; agricultural; etc.). Describe the general size of the system, the number of such systems, the number of houses to be served (if applicable), or the number of animals or humans the system(s) are expected to serve**.

None.

c. **Water runoff (including stormwater**):

1) **Describe the source of runoff (including storm water) and method of collection and disposal, if any (include quantities, if known). Where will this water flow? Will this water flow into other waters? If so, describe**.

This project will not influence the current stormwater collection system at the Site. Stormwater, if any, will be diverted from the excavation areas during the excavation and backfill elements of the remedial action and routed to the existing stormwater collection system.

2) **Could waste materials enter ground or surface waters? If so, generally describe**.

No.

3) **Does the proposal alter or otherwise affect drainage patterns in the vicinity of the site? If so, describe**.

No.

d. **Proposed measures to reduce or control surface, ground, and runoff water, and drainage pattern impacts, if any**:

No applicable.

4. Plants [help]

a. Check the types of vegetation found on the site:

____deciduous tree: alder, maple, aspen, other
____evergreen tree: fir, cedar, pine, other
____shrubs
____grass
____pasture
____crop or grain
____ Orchards, vineyards or other permanent crops.
____ wet soil plants: cattail, buttercup, bullrush, skunk cabbage, other
____water plants: water lily, eelgrass, milfoil, other
____other types of vegetation

None. The Site is an active bulk terminal. The Project Area is devoid of vegetation.

b. **What kind and amount of vegetation will be removed or altered?**

Not Applicable.

c. **List threatened and endangered species known to be on or near the site**.

See Simplified Terrestrial Ecological Evaluation (TEE; attached) performed as a part of the remedial action Feasibility Study.

d. **Proposed landscaping, use of native plants, or other measures to preserve or enhance vegetation on the site, if any**:

Not Applicable.

e. **List all noxious weeds and invasive species known to be on or near the site**.

Not Applicable.

5. Animals [help]

a. List any birds and other animals which have been observed on or near the site or are known to be on or near the site.

Examples include:

birds: hawk, heron, eagle, songbirds, other:
mammals: deer, bear, elk, beaver, other:
fish: bass, salmon, trout, herring, shellfish, other _____

See attached TEE.

b. **List any threatened and endangered species known to be on or near the site**.

See attached TEE.

c. **Is the site part of a migration route? If so, explain**.

No.

d. **Proposed measures to preserve or enhance wildlife, if any**:

Not applicable.

e**. List any invasive animal species known to be on or near the site**.

Not applicable.

6. Energy and Natural Resources [help]

a. **What kinds of energy (electric, natural gas, oil, wood stove, solar) will be used to meet the completed project's energy needs? Describe whether it will be used for heating, manufacturing, etc**.

Electricity will be used to run pumps in the groundwater extraction wells and to operate the recirculation system.

b**. Would your project affect the potential use of solar energy by adjacent properties? If so, generally describe.**

No.

c**. What kinds of energy conservation features are included in the plans of this proposal? List other proposed measures to reduce or control energy impacts, if any**:

Not applicable.

7. Environmental Health [help]

a. **Are there any environmental health hazards, including exposure to toxic chemicals, risk of fire and explosion, spill, or hazardous waste, that could occur as a result of this proposal?**
If so, describe.

1) **Describe any known or possible contamination at the site from present or past uses.**

Petroleum hydrocarbons are present in soil and groundwater in limited areas and the remediation of these petroleum containing materials is the objective of the proposed project.

2) **Describe existing hazardous chemicals/conditions that might affect project development and design. This includes underground hazardous liquid and gas transmission pipelines located within the project area and in the vicinity**.

There are above ground petroleum storage tanks near the proposed remediation areas and limited below ground petroleum piping. The Facility owner, NuStar, has developed extensive safety protocols to ensure worker safety while implementing work tasks at the Facility, including excavation and other subsurface construction tasks. The work will be conducted following all Facility and OSHA health and safety protocols for conducting subsurface and construction work at the Site and specifically will be mindful of all known Facility infrastructure. In addition to completing the underground "one call" protocol to identify subsurface utilities in the Project Area prior to initiating the project, a utility locate surface will be retained to work with the project Contractor and facility personnel to map below grade utilities and piping prior to any ground breaking activities.

3) **Describe any toxic or hazardous chemicals that might be stored, used, or produced during the project's development or construction, or at any time during the operating life of the project**.

Petroleum hydrocarbons (jet fuel) is stored in aboveground storage tanks (ASTs) at the Facility. Gasoline and/or diesel fuel will be used to operate equipment and vehicles used during the remediation project. Petroleum containing materials (soil and groundwater) will be generated as waste during the excavation and well installation elements of the project and will be disposed of off-site at an appropriate landfill facility.

4) **Describe special emergency services that might be required**.

None.

5) Proposed measures to reduce or control environmental health hazards, if any:

See above.

b. Noise

1) What types of noise exist in the area which may affect your project (for example: traffic, equipment, operation, other)?

None.

2) **What types and levels of noise would be created by or associated with the project on a short-term or a long-term basis (for example: traffic, construction, operation, other)? Indicate what hours noise would come from the site**.

On a short-term basis there will be additional large vehicles and equipment (e.g., excavators, drill rig, backhoe) at the Facility; however, it is not anticipated that these rigs will significantly increase the ambient noise level at the Facility as the Facility operates a truck loading rack. Work will be conducted in the typical work window at the Facility, anticipated to be between the hours of 7:00am and 5:00pm.

There are no anticipated increases in long-term noise levels due to the project.

3) Proposed measures to reduce or control noise impacts, if any:

Workers on the project who are working near the large rigs will be encouraged to use ear protection.

8. Land and Shoreline Use [help]

a. What is the current use of the site and adjacent properties? Will the proposal affect current land uses on nearby or adjacent properties? If so, describe.

The Facility is currently used as a bulk fuel storage facility. The adjacent property to the north is a blueberry farm; the adjacent property to the south is used for commercial warehousing. The proposed project will have no affect on land uses at nearby properties.

b. Has the project site been used as working farmlands or working forest lands? If so, describe. How much agricultural or forest land of long-term commercial significance will be converted to other uses as a result of the proposal, if any? If resource lands have not been designated, how many acres in farmland or forest land tax status will be converted to nonfarm or nonforest use?

No, the project Site has not been used as working farmlands or forest lands for at least the past 60 years.

1) **Will the proposal affect or be affected by surrounding working farm or forest land normal business operations, such as oversize equipment access, the application of pesticides, tilling, and harvesting? If so, how**:

No, the project will not affect or be affected by the adjacent farmland.

c. **Describe any structures on the site**.

The Facility currently includes a tank farm consisting of seven large above ground storage tanks contained in four containment areas; a covered truck loading rack; smaller above ground storage tanks containing fuel additives; a 42,000-gallon transmix above ground storage tank; and several buildings used for equipment storage and offices. The large above ground storage tanks are used to store jet fuel and range in capacity size from 1,680,000 to 4,599,378 gallons. A Fire System Water Reservoir is present on the western side of the property and is used for stormwater storage during heavy rain events.

d. **Will any structures be demolished? If so, what**?

No.

e. What is the current zoning classification of the site?

IL – Light Industrial.

f. What is the current comprehensive plan designation of the site?

Industrial

g. If applicable, what is the current shoreline master program designation of the site?

Not applicable.

h. Has any part of the site been classified as a critical area by the city or county? If so, specify.

The Site is within the Critical Aquifer Recharge Area of the City of Vancouver and is a Special Protection Area within the Critical Aquifer Recharge Area.

i. Approximately how many people would reside or work in the completed project?

No change.

j. Approximately how many people would the completed project displace?

None.

k. Proposed measures to avoid or reduce displacement impacts, if any:

Not applicable.

L. Proposed measures to ensure the proposal is compatible with existing and projected land uses and plans, if any:

Not applicable.

m. Proposed measures to reduce or control impacts to agricultural and forest lands of long-term commercial significance, if any:

Not applicable.

9. Housing [help]

a. **Approximately how many units would be provided, if any? Indicate whether high, middle, or low-income housing**.

Not applicable. The project does not entail construction of housing.

b. **Approximately how many units, if any, would be eliminated? Indicate whether high, middle, or low-income housing.**

Not applicable.

c. **Proposed measures to reduce or control housing impacts, if any**:

Not applicable.

10. Aesthetics [help]

a. **What is the tallest height of any proposed structure(s), not including antennas; what is the principal exterior building material(s) proposed?**

No structures are currently planned as a part of this remedial action. A small shed may be constructed to house groundwater treatment equipment, as deemed appropriate during the design of the system. The shed would be less than 10 feet in height.

b. What views in the immediate vicinity would be altered or obstructed?

None.

c. **Proposed measures to reduce or control aesthetic impacts, if any**:

Not applicable.

11. Light and Glare [help]

a. What type of light or glare will the proposal produce? What time of day would it mainly occur?

None.

b. Could light or glare from the finished project be a safety hazard or interfere with views?

No.

c. What existing off-site sources of light or glare may affect your proposal?

None.

d. Proposed measures to reduce or control light and glare impacts, if any:

Not applicable.

12. Recreation [help]

a. **What designated and informal recreational opportunities are in the immediate vicinity?**

None.

b. **Would the proposed project displace any existing recreational uses? If so, describe**.

No.

c. **Proposed measures to reduce or control impacts on recreation, including recreation opportunities to be provided by the project or applicant, if any:**

Not applicable.

13. Historic and cultural preservation [help]

a. **Are there any buildings, structures, or sites, located on or near the site that are over 45 years old listed in or eligible for listing in national, state, or local preservation registers ? If so, specifically describe**.

No. The Site was developed for use as a bulk fuel terminal in 1957; the property was vacant land prior to development.

b. **Are there any landmarks, features, or other evidence of Indian or historic use or occupation? This may include human burials or old cemeteries. Are there any material evidence, artifacts, or areas of cultural importance on or near the site? Please list any professional studies conducted at the site to identify such resources**.

There are no known landmarks, features, or other evidence of Indian or historic use or occupation. Clark County identifies Archaeological Probability of the Site as “Level A – Higher Probability”, however, it also identifies that there are no mapping indicators that it is a Historic Site.

c. **Describe the methods used to assess the potential impacts to cultural and historic resources on or near the project site. Examples include consultation with tribes and the department of archeology and historic preservation, archaeological surveys, historic maps, GIS data, etc**.

Not applicable.

d. **Proposed measures to avoid, minimize, or compensate for loss, changes to, and disturbance to resources. Please include plans for the above and any permits that may be required**.

Not applicable.

14. Transportation [help]

a. **Identify public streets and highways serving the site or affected geographic area and describe proposed access to the existing street system. Show on site plans, if any.**

This Site is served by NW Fruit Valley Road. Access from the Site to Fruit Valley Road will not be changed by the proposed project and is shown on Figure 2.

b. Is the site or affected geographic area currently served by public transit? If so, generally describe. If not, what is the approximate distance to the nearest transit stop?

Not applicable.

c. How many additional parking spaces would the completed project or non-project proposal have? How many would the project or proposal eliminate?

None/None.

d. Will the proposal require any new or improvements to existing roads, streets, pedestrian, bicycle or state transportation facilities, not including driveways? If so, generally describe (indicate whether public or private).

The proposed project is conducting a remedial action in the Project Area and no improvements to existing roads, streets, pedestrian, bicycle, or state transportation facilities are needed to complete the project.

e. Will the project or proposal use (or occur in the immediate vicinity of) water, rail, or air transportation? If so, generally describe.

No.

f. How many vehicular trips per day would be generated by the completed project or proposal? If known, indicate when peak volumes would occur and what percentage of the volume would be trucks (such as commercial and nonpassenger vehicles). What data or transportation models were used to make these estimates?

No vehicular trips per day will be generated by the completed project.

g. Will the proposal interfere with, affect or be affected by the movement of agricultural and forest products on roads or streets in the area? If so, generally describe.

No.

h. Proposed measures to reduce or control transportation impacts, if any:

Not applicable.

15. Public Services [help]

a. **Would the project result in an increased need for public services (for example: fire protection, police protection, public transit, health care, schools, other)? If so, generally describe.**

No.

b. **Proposed measures to reduce or control direct impacts on public services, if any**.

Not applicable.

16. Utilities [help]

a. **Circle (or highlight) utilities currently available at the site:**
electricity, natural gas, water, refuse service, telephone, sanitary sewer, septic system, other _____

b. Describe the utilities that are proposed for the project, the utility providing the service,and the general construction activities on the site or in the immediate vicinity which might be needed.

No additional utilities are proposed for the project.

C. Signature [HELP]

The above answers are true and complete to the best of my knowledge. I understand that the lead agency is relying on them to make its decision.

Signature: _____

Name of signee Amanda Spencer

Position and Agency/Organization Principal Hydrogeologist/GeoEngineers, Inc.

Date Submitted: November 18, 2022

D. Supplemental sheet for nonproject actions [HELP]

(**IT IS NOT NECESSARY** to use this sheet for project actions)

Because these questions are very general, it may be helpful to read them in conjunction with the list of the elements of the environment.

When answering these questions, be aware of the extent the proposal, or the types of activities likely to result from the proposal, would affect the item at a greater intensity or at a faster rate than if the proposal were not implemented. Respond briefly and in general terms.

1. How would the proposal be likely to increase discharge to water; emissions to air; production, storage, or release of toxic or hazardous substances; or production of noise?

Proposed measures to avoid or reduce such increases are:

2. How would the proposal be likely to affect plants, animals, fish, or marine life?

Proposed measures to protect or conserve plants, animals, fish, or marine life are:

3. How would the proposal be likely to deplete energy or natural resources?

Proposed measures to protect or conserve energy and natural resources are:

4. How would the proposal be likely to use or affect environmentally sensitive areas or areas designated (or eligible or under study) for governmental protection; such as parks, wilderness, wild and scenic rivers, threatened or endangered species habitat, historic or cultural sites, wetlands, floodplains, or prime farmlands?

Proposed measures to protect such resources or to avoid or reduce impacts are:

5. How would the proposal be likely to affect land and shoreline use, including whether it would allow or encourage land or shoreline uses incompatible with existing plans?

Proposed measures to avoid or reduce shoreline and land use impacts are:

6. How would the proposal be likely to increase demands on transportation or public services and utilities?

Proposed measures to reduce or respond to such demand(s) are:

7. Identify, if possible, whether the proposal may conflict with local, state, or federal laws or requirements for the protection of the environment.