

## **REMEDIAL INVESTIGATION / CLEANUP ACTION PLAN**

### King County Parcel #2826059046 11932 124th Avenue NE Kirkland, WA 98034

December 11, 2023

**Prepared for:** 

LMJ Enterprises 11845 NE 85th Street Kirkland, WA 98033

#### **Prepared by:**

Dixon Environmental Services LLC 4010 N 7<sup>th</sup> Street Tacoma, WA 98406

Brian A. Dixon President/Principal Environmental Scientist



The Blake

Andrew Blake, L.G. Licensed Geologist #2928



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## **1.0 Introduction**

On behalf of LMJ Enterprises, Dixon Environmental Services (Dixon ES) has prepared this Remedial Investigation (RI) / Cleanup Action Plan (CAP) for the release(s) that occurred on King County Parcel #2826059046, addressed at 11932 124<sup>th</sup> Avenue NE in Kirkland, Washington (the Property) (Figures 1 and 2). This report was prepared for submittal to the Washington State Department of Ecology (Ecology) and was developed to meet the general requirements of a RI and CAP as defined by the Washington State Model Toxics Control Act (MTCA) Regulation in Chapters 173-340-350 through 173-340-410 of the Washington Administrative Code (WAC).

Based on the results of the investigations discussed within this report, it appears that surficial releases of petroleum hydrocarbons have occurred associated with the historical staging of automobiles on the eastern portion of the Property. As established in WAC 173-340-200, a "Site" is defined by the full lateral and vertical extent of contamination that has resulted from the release of hazardous substances; therefore, all areas impacted by the release(s) on the Property are referred to herein as the "Site".

#### 1.1 Document Purpose

#### 1.1.1 Remedial Investigation

The purpose of the RI is to collect data necessary to adequately characterize the Site for the purposes of developing and evaluating remedial alternatives consistent with WAC 173-340-350(7). The RI components of this report present historical information regarding the former use of the Property, summarize the scope and findings of each environmental investigation that has been conducted at the Site, provide the Site data for soil and groundwater, and present a Conceptual Site Model (CSM) for the contaminant release, transport, and potential exposure pathways at the Site.

#### 1.1.2 Feasibility Study

The purpose of a feasibility study is to develop and evaluate remedial alternatives for the Site and to select the most appropriate alternative based on the criteria specified in MTCA 173-340-360(2). However, the Site appears to qualify for a Model Remedy selection based on the criteria outlined in Ecology's Publication No. 15-09-043 *Model Remedies for Sites with Petroleum Contaminated Soils*, therefore a feasibility study was not completed for this Site.

#### 1.1.3 Cleanup Action Plan

As provided in WAC 173-340-360 and -380, the purpose of the CAP is to present the objectives of the cleanup action, the technical components of implementing the selected cleanup method, and the means and methods proposed for compliance monitoring activities.



## 2.0 Background

The following section provides a description of the Property, a summary of available environmental data for the Site, and a description of the physical characteristics for the vicinity.

#### 2.1 Property Location and Description

The Property consists of a single irregularly-shaped King County Tax Parcel (#2826059046), 3.33 acres in size, addressed at 11932 124<sup>th</sup> Avenue NE in Kirkland, Washington (Exhibit A: Figures 1 and 2). The Property is accessed from the east side of 124<sup>th</sup> Avenue NE on the west side of the Property, the south side of NE 120<sup>th</sup> Street on the northwest side of the Property, and the west side of Slater Avenue NE on the east side of the Property.

The Property is currently developed with a two-story, 13,801 square foot auto dealership. The building is separated into a show room, office space, service garage, and car wash bay.

The current Property layout is depicted on Figure 2.

#### 2.2 Historical Land Use Summary

According to archived tax records, the Property was first developed in 1919 with a single-family domestic dwelling on the southeast corner of the Property; this residence reportedly utilized stove heat. A second residence was reportedly added in 1930 on the northeast corner of the Property, which also utilized stove heat.

Very few changes were observed in aerial photographs of the Property between 1944 and 1977, although increased commercial development in the vicinity was apparent after 1965.

In a 1980 aerial photograph, a large amount of fill material is visible on the central portion of the Property and several objects, consistent with that of automobiles, are visible on the eastern portion of the Property.

In a 1985 aerial photograph, more fill material is visible on the central portion of the Property and dozens more objects, likely vehicles, are visible on the eastern portion of the Property. Figure 3 depicts these historical conditions.

By 1990, it appeared that the accumulation of fill material had ceased, as new vegetation was apparent across the central portion of the Property. The potential vehicles also appear to have been removed by this time.



In 1997, the City of Kirkland issued permits for the demolition of two single-family residences and a shed. A permit was also issued in 1997 for the construction of an 11,000 square foot automobile dealership.

Aerial photographs between 2006 and 2013 depict a slightly different development configuration on the Property, however the land use appears consistent with current activities.

The Property appears in its current configuration in a 2017 aerial photograph.

#### 2.3 Environmental Investigations

The following sections summarize the release discovery and subsequent environmental investigations conducted at the Site. The types and locations of the historic explorations from the investigations are depicted on Figures 4 and 5, while the cumulative soil and groundwater data results from the studies are tabulated on Tables 1 through 4.

Laboratory analytical reports are included in Appendix B, and boring logs are included in Appendix C.

#### 2.2.1 Phase I Environmental Site Assessment - 2019

On November 11, 2019, Dixon ES produced a Phase I Environmental Site Assessment (ESA) for the Property which identified the following Recognized Environmental Conditions (RECs) that warranted further evaluation:

- The potential presence of undocumented fill material, placed on the Property between at least 1980 and 1985, was considered a REC. The source and environmental quality of this fill material was unknown.
- The historical staging of dozens of automobiles on the Property between at least 1980 and 1985 was considered a REC. Staging of defunct cars can lead to releases of petroleum hydrocarbons and heavy metals onto surface soils.

#### 2.2.2 Subsurface Investigation - 2019

On November 20, 2019, Dixon ES performed a subsurface investigation to evaluate the potential for environmental impacts associated historical infilling and possible defunct automobile staging on the Property.

Dixon ES oversaw the advancement of five borings (B1 through B5) by ESN Northwest of Olympia, Washington, using direct push drilling techniques. Borings B1 through B3 were advanced in the area of historical infilling, while borings B4 and B5 were advanced in the area where historical automobile staging was suspected (Figure 3).



Soil was extracted from each boring using 5-foot long, 2.25-inch MacroCore samplers, with 5-foot interior acetate liners. Soil was continuously screened for the presence of contamination using a photoionization detector (PID), as well as visual and olfactory observations, and was characterized in accordance with the Unified Soil Classification System (USCS) (Appendix C: Boring Logs).

Based on the research conducted by Dixon ES during the Phase I ESA, the contaminants of concern (COCs) for the Property included:

- Gasoline-range Petroleum Hydrocarbons (GRPH);
- Diesel-range Petroleum Hydrocarbons (DRPH);
- Oil-range Petroleum Hydrocarbons (ORPH);
- Benzene, Toluene, Ethylbenzene, and Xylenes (BTEX); and,
- Model Toxics Control Act (MTCA) 5 Metals (arsenic, cadmium, chromium, mercury, and lead)

Potential burnt wood debris was observed in boring B2 at a depth of 2 feet bgs, therefore Polycyclic Aromatic Hydrocarbons (PAHs) were added as a potential COC for this sample.

A total of ten (10) soil samples were collected from the five borings at depths between 2 and 7 feet bgs, however not all samples were selected for chemical analysis; certain samples were held at the laboratory for further contamination delineation (if necessary), or were not analyzed due to the lack of field evidence of impacts. The full sample log is summarized in the table below:

Boring ID	Sample ID	Sample Depth (FT)	SELECTED FOR ANALYSIS	Contaminants of Concern
B1	B1-2.5	2.5	YES	DRPH, ORPH, GRPH
B1	B1-6	6	No	
B2	B2-2	2	YES	DRPH, ORPH, PAHS, METALS
B2	B2-6	6	YES	DRPH, ORPH, GRPH
B3	B3-3	3	YES	DRPH, ORPH, GRPH
В3	B3-6	6	No	
B4	B4-3	3	YES	DRPH, ORPH, GRPH, BTEX, METALS
B4	B4-7	7	YES	DRPH, ORPH, GRPH
B5	B5-3	3	Yes	DRPH, ORPH, GRPH, BTEX, METALS
B5	B5-7	7	Yes	DRPH, ORPH, GRPH

Soil samples were collected directly from the acetate liners, extracted from the MacroCore samplers, and transferred into clean laboratory provided glassware, including 4oz jars and 40ml volatile organic analysis (VOAs) vials. Samples collected for VOC analysis were done so in accordance with EPA Method 5035 Sampling Techniques.

Shallow perched groundwater was encountered in borings B1-B3 borings at approximately 5.5-6 feet bgs. Groundwater was sampled from B3 in accordance with the Environmental Protection Agency



(EPA) 2005 publication *Groundwater Sampling and Monitoring with Direct Push Technologies* (B3-W). This sample was held at the laboratory for possible future analysis should the fill material contain elevated levels of COCs. No recoverable groundwater was encountered in borings B4 or B5 in the area of the historical auto staging.

Samples were placed in a cooler and kept on ice until delivered to a Washington State Department of Ecology (Ecology) Accredited Laboratory, ESN Northwest under standard chain of custody protocols. Laboratory analytical methods for the site specific COCs are presented below:

- GRPH Northwest Method NWTPH-Gx or NWTPH-HCID
- DRPH Northwest Method NWTPH-Dx or NWTPH-HCID
- ORPH Northwest Method NWTPH-Dx or NWTPH-HCID
- BTEX EPA Method 8260
- PAHs EPA Method 8270
- Metals EPA Method 6010D or 7471B

#### Soil Analytical Results

- Soil samples B4-3 and B5-3 contained concentrations of GRPH exceeding its MTCA Method A Cleanup Level.
- BTEX compounds were not detected above their laboratory reporting limits in the two soil samples containing GRPH (B4-3 and B5-3).
- DRPH and ORPH were not detected above their laboratory reporting limits in any of the soil samples analyzed for these COCs.
- Soil samples B2-3, B4-3, and B5-3 contained detectable concentrations of one or more of the MTCA 5 Metals, however the concentrations were consistent with natural background levels and were well below their respective MTCA Method A Cleanup Levels.
- PAHs were not detected above their laboratory reporting limits in the soil sample where possible burnt wood debris was noted (B2-2).

Soil sample analytical results are summarized on Tables 1 through 3.

#### Groundwater Analytical Results

• The groundwater sample collected from boring B3 was not analyzed due to the lack of contamination detected in the fill material on the Property.

The results of the investigation indicated that the historical land use practice of staging dozens of automobiles on the eastern portion of the Property had resulted in GRPH impacts to soil at concentrations exceeding its MTCA Method A Cleanup Level.



Based on field observations and analytical results from deeper soil samples, it appears that the contamination is limited to a thickness of approximately 6 inches to 1 foot at a depth of approximately 3 feet bgs and has not migrated to a significant depth. Additionally, the location of the detected GRPH contamination was beyond the standard radius for consideration as a vapor encroachment condition for current on Property structures (>30 feet).

The fill material encountered in 4 of the 5 soil borings between 0 and 3 feet bgs did not contain concentrations of common COCs exceeding natural background concentrations and/or MTCA Method A Cleanup Levels.

#### 2.2.3 Subsurface Investigation - 2020

To further evaluate the nature and extent of petroleum impacts detected on the Property, Environmental Associates Inc. (EAI) performed additional characterization subsurface sampling and testing on the Property.

In February and March, 2020, EAI oversaw the advancement of sixteen borings (EAI B-1 through EAI B-16) using direct push drilling techniques. EAI's borings were positioned adjacent to, and outward from Dixon ES' borings B4 and B5 in an attempt to define the lateral distribution of contaminants (Figures 4 and 5). A Ground Penetrating Radar (GPR) survey was also conducted, which identified a geophysical anomaly adjacent to B4, which measured approximately 3 feet by 5 feet and displayed a parabolic signature.

Between 2 and 3 soil samples were collected from each boring between 1.5 and 10 feet bgs. The samples were analyzed for GRPH and BTEX by Northwest Method NWTPH-Gx and EPA Method 8260, respectively.

Shallow perched groundwater was encountered and sampled from borings EAI B-1, EAI B-2, EAI B-5, EAI B-6, EAI B-7, EAI B-8, and EAI B-14. These samples were also analyzed for GRPH and BTEX using the laboratory methods detailed above.

Soil Analytical Results

- The soil sample collected from boring EAI B-14 at a depth of 4 feet bgs contained concentrations of GRPH exceeding its MTCA Method A Cleanup Level.
- The soil sample collected from boring EAI B-2 at a depth of 7 feet bgs contained detectable concentrations of GRPH, however the value was below its MTCA Method A Cleanup Level.
- None of the remaining soil samples contained detectable concentrations of Property specific COCs.

Soil sample analytical results are summarized on Tables 1 through 3.



#### **Groundwater Analytical Results**

- The groundwater sample collected from boring EAI B-2 contained a detectable concentration of toluene, however the value was below its MTCA Method A Cleanup Level.
- None of the remaining groundwater samples contained detectable concentrations of Property specific COCs.

Groundwater sample analytical results are summarized on Table 4.

The results of the supplemental investigations suggested isolated occurrences of petroleum impacted soil in the areas proximal to Dixon ES' borings B4 and B5, which had not substantially impacted shallow groundwater on the Property.

#### 2.3 Geology and Hydrogeology

#### 2.3.1 Regional Geology

The Site is located in the Puget Lowlands geologic region, an elongated topographic and structural depression filled with complex sequences of glacial and non-glacial sediments that overlie bedrock. Continental ice sheets up to 3,000 feet thick covered portions of the Puget Lowland several times during the Quaternary period. Retreating ice carved new landscapes, rechanneled rivers, drained or formed lakes, and deposited glacial drift including till and outwash (WA DNR, 2002).

#### 2.3.2 Regional Hydrogeology

The primary aquifers in the Puget Sound region are typically overlain by relatively impermeable glacial till deposits that are present at or near the ground surface. Within these till deposits are localized areas or lenses of water-bearing sands and gravels that may result in a shallow, perched water table. Lateral and vertical migration of shallow groundwater may be impeded by the relatively impermeable nature of the till and by the sometimes-discontinuous nature of the perched water-bearing sands and gravel. Perched and discontinuous zones of shallow groundwater may be seasonally or perennially present, depending on site-specific conditions. Shallow groundwater flow directions fluctuate and tend to follow topographic gradient but are also affected by seasonal high-water tables, variable soil characteristics, as well as utility corridors.

The nearest surface water body is Totem Lake, located approximately 1,000 feet to the north of the Property. No settling ponds, lagoons, surface impoundments, wetlands or natural catch basins were observed at the Property.



#### 2.3.3 Site Geology

Soil encountered during Dixon ES' subsurface investigation generally consisted of loose fill material from ground surface to approximately 3 feet bgs, underlain by dense fine grained sandy silt to approximately 5 feet bgs, then medium grained poorly graded sand with trace amounts of silt to the maximum depth explored of 10 feet bgs.

Soil encountered during EAI's investigations was described as silts with occasional gravels, wood debris, or other organic matter in the upper 5 feet of the borings, transitioning to sands with occasional silts and gravels below 5 feet bgs.

#### 2.3.4 Site Hydrogeology

Shallow groundwater was encountered beneath the Property at depths between 5.5 and 9 feet bgs, in Dixon ES' borings B1 through B3, and EAIs borings EAI B-1, EAI B-2, EAI B-5, EAI B-6, EAI B-7, EAI B-8, and EAI B-14.

Groundwater occurrences beneath the Property appear to be perched and discontinuous in nature.

### 3.0 Conceptual Site Model

This section provides a summary of the conceptual site model, which includes a discussion of the COCs, the media of concern, the distribution of contamination in soil and groundwater, and the potential exposure pathways for the Site.

#### 3.1 Contaminants of Concern

Based upon the results of previous investigations, the COCs for the Site include:

- GRPH; and,
- BTEX.

#### 3.2 Media of Concern

Based upon the results of previous investigations, soil is the primary media of concern for the Site.

#### 3.3 Distribution of Contamination in Soil

The lateral extent of soil impacts appears limited to isolated areas proximal to Dixon ES' original borings B4 and B5 ("B4 source area" and "B5 source area", respectively). These appear to have been surficial releases from the staging of automobiles that occurred prior to the placement of fill material



on the Property. Although a geophysical anomaly was detected adjacent to boring B4, in our opinion the distribution of contaminants does not appear to be consistent with a tank release.

The lateral extent of the B4 source area is bound by borings EAI B-4 to the north, EAI B-13 to the east, EAI B-16 to the south, and EAI B-15 to the west. The lateral extent of the B5 source area is bound by borings EAI B-10 to the north, EAI B-9 to the east, EAI B-12 to the south, and EAI B-11 to the west

The vertical extent of soil impacts appears limited to approximately 3-4 feet bgs based on field screening, and is empirically bound by the samples collected from borings B4, B5, and EAI B-14 at 7 feet bgs.

The approximate extent of soil impacts is depicted on Figure 5.

#### 3.4 Exposure Pathways

The following section discusses the confirmed and potential human and ecological exposure pathways at the Site.

#### 3.4.1 Soil Pathway

Potential exposure pathways for soil contamination include direct dermal contact or ingestion. Until such time the existing soil contamination is removed, or controls are in place to prevent direct contact with this material, the soil pathway will be considered complete.

#### 3.4.2 Groundwater Pathway

Potential exposure pathways for groundwater contamination include direct dermal contact or ingestion. Based on the groundwater sample analytical results discussed in Section 2.2.3, groundwater does not appear to have been impacted by the isolated surficial releases and therefore this exposure pathway is incomplete.

#### 3.5.3 Vapor Pathway

The air-filled pore space between soil grains in the unsaturated zone is referred to as soil vapor or soil gas. Soil vapor can become contaminated from the volatilization of contaminants adsorbed to soil mineral surfaces and/or dissolved in groundwater.

The areas of isolated soil impacts are located over 50 feet from any structure and are currently capped in asphalt, therefore vapor intrusion does not appear to be an immediate concern for the Site, however this pathway will remain complete for any potential future structure until such time the existing soil contamination is removed, or controls are in place to prevent exposure.



#### 3.6 Points of Compliance

The point of compliance is the location where the enforcement limits will be measured and cannot be exceeded.

#### 3.6.1 Point of Compliance for Soil

The point of compliance for direct contact is throughout the Site, from ground surface to 15 feet bgs. This is the depth at which one would reasonably assume workers could encounter contaminated soil during construction or development activities.

#### 3.7 Proposed Cleanup Levels

The proposed cleanup levels for the Site are based on the MTCA Method A Levels for Unrestricted Land Use. Proposed cleanup levels for COCs in soil at the Site are presented in the table below, and are also shown on Table 1.

MTCA Method-A Cleanup Levels for Soil (MTCA Cleanup Regulation 173-340-900: Table 740-1)							
Contaminant of Concern (COC)	Soil Cleanup Levels (mg/kg)						
GRPH	301						
Benzene	0.03						
Toluene	7						
Ethylbenzene	6						
Xylenes	9						

<sup>1</sup> Gasoline Range Organics: Gasoline mixtures without benzene and the total of ethylbenzene, toluene and xylene are less than 1% of the gasoline mixture has a soil CUL = 100 mg/kg. All other gasoline mixtures have a soil CUL = 30 mg/kg. For groundwater, the CUL is 1,000 ug/l for gasoline mixtures without benzene and 800 ug/l for all other gasoline mixtures.

#### 3.8 Terrestrial Ecological Evaluation

A terrestrial ecological evaluation (TEE) form was completed for the Site, which indicates that the Site qualifies for an exclusion from further evaluation using the criteria in WAC 173-340-7491 (Appendix D). Specifically, there is less than 1.5 acres of contiguous undeveloped land on or within 500 feet of any area of the Site.



## 4.0 Model Remedy Selection/Cleanup Action Plan

In accordance with the criteria outlined in Ecology's Publication No. 15-09-043 *Model Remedies for Sites with Petroleum Contaminated Soils,* the Property would appear to qualify for the selection of Model Remedy 1.

This model remedy is for situations where complete removal of the contaminated soil will take place and Method A Soil Cleanup Levels for Unrestricted Property Use have been selected.

The Cleanup Action Plan involves the removal of petroleum contaminated soil using conventional excavation methods. A conceptual depiction of the remedial excavation areas is presented on Figure 5; however, the full extent of excavation will be dependent on field conditions. Based on our understanding of the conceptual site model, the two areas of isolated impacts are estimated to be approximately 10 feet by 11 feet in the vicinity of B4 and 15 feet by 30 feet in the vicinity of B5. This conceptual design would generate approximately 100 cubic yards of petroleum contaminated soil, and would extend to a depth of approximately 4-5 feet bgs.

If an underground tank is encountered during excavation activities, the tank will be decommissioned under the supervision of a Washington State Licensed Site Assessor and done so in accordance with current generally accepted environmental practices and procedures.

## 6.0 Compliance Monitoring

There are three types of compliance monitoring identified for remedial cleanup actions performed under MTCA (WAC 173-340-410): protection, performance, and confirmational monitoring. A paraphrased definition for each is presented below (WAC 173-340-410[1]):

- Protection Monitoring To evaluate whether human health and the environment are adequately protected during construction and the operation and maintenance period of a cleanup action.
- Performance Monitoring To document that the cleanup action has attained cleanup standards.
- Confirmational Monitoring To evaluate the long-term effectiveness of the cleanup action once cleanup standards or other performance standards have been attained.

#### 6.1 Protection Monitoring

A Health and Safety Plan (HASP) will be prepared that identifies the known physical, chemical, and biological hazards associated with the remedial activities at the Site, as well as the hazard monitoring and prevention procedures.



#### 6.2 Performance Monitoring

Performance monitoring for soil will be conducted during remedial excavation activities and will be used to direct advancement of the excavation. Soil samples will be collected directly from the sidewalls and/or bottom of the remedial excavation using either stainless steel or plastic sampling tools. Soil samples collected at depths of less than 4 feet bgs will be collected manually. Samples collected at depths below 4 feet bgs will be collected with the backhoe bucket unless engineering controls are in place that allow for manual sample collection at depths greater than 4 feet bgs. Non-dedicated sampling equipment will be decontaminated between uses. The analytical results will be used to assess when the points of compliance for soil have been achieved.

#### 6.3 Confirmational Monitoring

Confirmational monitoring for soil will be conducted after completion of the excavation to assess the concentrations of COCs in subsurface soil, to verify compliance with applicable cleanup standards, and to confirm the long-term effectiveness of the cleanup action.

Soil samples will be collected from the bottom and the sidewalls of the excavation to an estimated depth of 4-5 feet bgs. Dixon ES estimates 2 bottom samples and 6 sidewall samples per excavation area.

## 7.0 Closing

Dixon ES has completed this Remedial Investigation/ Cleanup Action Plan pursuant to WAC 173-340 for the releases that occurred on King County Parcel #2826059046, addressed at 11932 124<sup>th</sup> Avenue NE in Kirkland, Washington. Given the current understanding of the conceptual site model, and in accordance with the criteria outlined in Ecology's Publication No. 15-09-043 *Model Remedies for Sites with Petroleum Contaminated Soils*, it appears the most appropriate remedy for this Site is full source removal using conventional excavation methods.

As discussed in Section 1, this report was prepared for submittal to Ecology under the Voluntary Cleanup Program. Within this program, we are requesting an opinion on the characterization of the Site and proposed cleanup action, with the eventual goal of receiving a Determination of No Further Action.



### **8.0 References**

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<u>Figures</u>





	LEGEND	SITE PLAN			
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**LEGEND** 

--- PROPERTY BOUNDARY

## HISTORICAL SITE PLAN

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### **LEGEND**

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- PROPERTY BOUNDARY

**B1** APPROXIMATE BORING LOCATIONS

CONTAMINANT CONCENTRATION EXCEEDS MTCA METHOD A CLEANUP LEVEL

## **EXPLORATION LOCATIONS**

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#### <u>LEGEND</u>

AREAS OF EXCAVATION

## **EXCAVATION PLAN**

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<u>Tables</u>

# TABLE 1SUMMARY OF SOIL ANALYTICAL RESULTSPETROLEUM HYDROCARBONS AND SELECT VOLATILE ORGANIC COMPOUNDS



Boring ID	Soil Sample ID	Sample Depth	DATE SAMPLED	Petroleum	Hydrocarbons	(mg/kg)	SELECT \	OLATILE O	RGANIC COMPOUN	NDS (MG/KG)
BONING ID	SOLE SAME LE ID	(FT)	BATE GAME LED	Gasoline- Range	DIESEL-RANGE	Oil-Range	Benzene	Toluene	Ethylbenzene	Total Xylenes
B1	B1-2.5	2.5	11/20/2019	<20	<50	<100	-	-	-	-
B2	B2-2	2	11/20/2019	ł	<50	<100	-	-	-	-
DZ	B2-6	6	11/20/2019	<20	<50	<100	-	-	-	-
В3	B3-3	3	11/20/2019	<20	<50	<100	-	1	-	-
В4	B4-3	3	11/20/2019	700	<50	<100	<0.02	<0.05	<0.05	<0.15
04	B4-7	7	11/20/2019	<20	<50	<100	-	ł	-	-
B5	B5-3	3	11/20/2019	260	<50	<100	<0.02	<0.05	<0.05	<0.15
B5	B5-7	7	11/20/2019	<20	<50	<100	-	1	-	-
EALB.1	EAI B1-3	3	2/13/2020	<10		H	<0.02	<0.05	<0.05	<0.15
EAI B-1	BAI B1-7	7	2/13/2020	<10	-	-	<0.02	<0.05	<0.05	<0.15
	EAI B2-3	3	2/13/2020	<10	-	-	<0.02	<0.05	<0.05	<0.15
EAI B-2	EAI B2-7	7	2/13/2020	12			<0.02	<0.05	<0.05	<0.15
	EAI B3-1.5	1.5	2/13/2020	<10	-	-	<0.02	<0.05	<0.05	<0.15
EAI B-3	EAI B3-3	3	2/13/2020	<10	-	-	<0.02	<0.05	<0.05	<0.15
	EAI B3-5	5	2/13/2020	<10		-	<0.02	<0.05	<0.05	<0.15
EAI B-4	EAI B4-3	3	2/13/2020	<10	-	-	<0.02	<0.05	<0.05	<0.15
EAI D-4	EAI B4-7	7	2/13/2020	<10		-	<0.02	<0.05	<0.05	<0.15
	EAI B5-2	2	2/13/2020	<10	-	-	<0.02	<0.05	<0.05	<0.15
EAI B-5	EAI B5-3	3	2/13/2020	<10		-	<0.02	<0.05	<0.05	<0.15
	EAI B5-7	7	2/13/2020	<10			<0.02	<0.05	<0.05	<0.15
EAI B-6	EAI B6-2.5-3	2.5-3	2/13/2020	<10		-	<0.02	<0.05	<0.05	<0.15
EAI B-0	EAI B6-7	7	2/13/2020	<10			<0.02	<0.05	<0.05	<0.15
EAI B-7	EAI B7-2.5-3	2.5-3	2/13/2020	<10			<0.02	<0.05	<0.05	<0.15
LAI D-7	EAI B7-7	7	2/13/2020	<10		-	<0.02	<0.05	<0.05	<0.15
	EAI B8-2-3	2-3	2/13/2020	<10		-	<0.02	<0.05	<0.05	<0.15
EAI B-8	EAI B8-7	7	2/13/2020	<10		-	<0.02	<0.05	<0.05	<0.15
ENDO	EAI B9-3	3	3/17/2020	<10			<0.02	<0.05	<0.05	<0.15
EAI B-9	EAI B9-7	7	3/17/2020	<10			<0.02	<0.05	<0.05	<0.15
	EAI B10-3	3	3/17/2020	<10		-	<0.02	<0.05	<0.05	<0.15
EAI B-10	EAI B10-7	7	3/17/2020	<10			<0.02	<0.05	<0.05	<0.15

## TABLE 1SUMMARY OF SOIL ANALYTICAL RESULTSPETROLEUM HYDROCARBONS AND SELECT VOLATILE ORGANIC COMPOUNDS



Boring ID	SOIL SAMPLE ID	Sample Depth	DATE SAMPLED	Petroleum	Petroleum Hydrocarbons (mg/kg)			Select Volatile Organic Compounds (mg/kg)			
DOMING ID	SOIL SAMI LE ID	(FT)	DATE SAMELED	Gasoline- Range	DIESEL-RANGE	Oil-Range	Benzene	Toluene	Ethylbenzene	Total Xylenes	
EALB-11	EAI B11-3	3	3/17/2020	<10		-	<0.02	<0.05	<0.05	<0.15	
LAIDTI	EAI B11-7	7	3/17/2020	<10		-	<0.02	<0.05	<0.05	<0.15	
EAI B-12	EAI B12-3.5	3.5	3/17/2020	<10		-	<0.02	<0.05	<0.05	<0.15	
EALD-12	EAI B12-7	7	3/17/2020	<10		-	<0.02	<0.05	<0.05	<0.15	
EAI B-13	EAI B13-4	4	3/17/2020	<10		-	<0.02	<0.05	<0.05	<0.15	
EALD-15	EAI B13-7	7	3/17/2020	<10		-	<0.02	<0.05	<0.05	<0.15	
EAI B-14	EAI B14-4	4	3/17/2020	430			<0.02	<0.05	<0.05	<0.15	
EAI D-14	EAI B14-7	7	3/17/2020	<10	-	-	<0.02	<0.05	<0.05	<0.15	
EAI B-15	EAI B15-3	3	3/17/2020	<10			<0.02	<0.05	<0.05	<0.15	
EALP-15	EAI B15-7	7	3/17/2020	<10		-	<0.02	<0.05	<0.05	<0.15	
EAI B-16	EAI B16-3	3	3/17/2020	<10		-	<0.02	<0.05	<0.05	<0.15	
EALD-10	EAI B16-7	7	3/17/2020	<10			<0.02	<0.05	<0.05	<0.15	
ECOLOGY MTCA METHOD A CLEANUP LEVELS UNLESS OTHERWISE SPECIFIED			100/30 <sup>1</sup>	2,000	2,000	0.03	7	6	9		

NOTES:

MG/KG = MILLIGRAMS PER KILOGRAM

MTCA = MODEL TOXICS CONTROL ACT

- = NOT ANALYZED FOR THIS CONTAMINANT

< = NOT DETECTED ABOVE LABORATORY DETECTION LIMITS

BOLD INDICATES A DETECTED CONCENTRATION THAT IS BELOW ECOLOGY MTCA METHOD A CLEANUP LEVELS

BOLD RED INDICATES THE DETECTED CONCENTRATION EXCEEDS ECOLOGY MTCA METHOD A CLEANUP LEVELS

 $^1$  Gasoline mixtures without benzene and the total of ethylbenzene, toluene and xylenes are less than 1% of the gasoline mixture have a cleanup level of 100 mg/kg. All other gasoline mixtures have a cleanup level of 30 Mg/kg.

#### TABLE 2 SUMMARY OF SOIL ANALYTICAL RESULTS MTCA 5 METALS



SOIL SAMPLE ID	Sample Depth (ft)			Sample Depth	DATE SAMPLED		MTCA 5 Metals (mg/kg)						
SOIL SAMI LE ID		D E OAMIN EED	ARSENIC	CADMIUM	Total Chromium	Hexavalent Chromium	LEAD	Mercury					
B2-2	2	11/20/2019	4.0	<0.3	1.0		37.2	<0.05					
B4-3	3	11/20/2019	<2.5	<0.3	22.6		4.4	<0.05					
B5-3	3	11/20/2019	<2.5	<0.3	24.6	<0.5	4.3	<0.05					
ECOLOGY MTCA METHOD A CLEANUP LEVELS UNLESS OTHERWISE SPECIFIED			20	2	2,000 <sup>1</sup>	19	250	2					

NOTES:

MG/KG = MILLIGRAMS PER KILOGRAM

MTCA = MODEL TOXICS CONTROL ACT

- = NOT ANALYZED FOR THIS CONTAMINANT

< = NOT DETECTED ABOVE LABORATORY DETECTION LIMITS

BOLD INDICATES A DETECTED CONCENTRATION THAT IS BELOW ECOLOGY MTCA METHOD A CLEANUP LEVELS

BOLD RED INDICATES THE DETECTED CONCENTRATION EXCEEDS ECOLOGY MTCA METHOD A CLEANUP LEVELS

<sup>1</sup> MTCA METHOD A CLEANUP LEVEL FOR CHROMIUM III

# TABLE 3SUMMARY OF SOIL ANALYTICAL RESULTSPOLYCYCLIC AROMATIC HYDROCARBONS



SOIL D	SAMPLE			Polycyclic Aromatic Hydrocarbons (mg/kg)								
	Depth (ft)		Benzo(a)- Anthracene	CHRYSENE	Benzo(a)pyrene	Benzo(b)- Fluoranthene		INDENO(1,2,3CD)- PYRENE	Dibenzo(a,h)- anthracene	EQUIVALENCY CONCENTRATION <sup>1</sup>		
B2-2	2	11/20/2019	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	NA		
ECOLOGY MTCA METHOD A CLEANUP LEVELS UNLESS OTHERWISE SPECIFIED		-	-	0.1		-	-	-	O.1			

NOTES:

MG/KG = MILLIGRAMS PER KILOGRAM

MTCA = MODEL TOXICS CONTROL ACT

NA = NOT APPLICABLE, NO CONTAMINANTS WERE DETECTED ABOVE LABORATORY REPORTING LIMITS

- = NO PUBLIHSED CLEANUP LEVEL FOR THIS CONTAMINANT

< = NOT DETECTED ABOVE LABORATORY DETECTION LIMITS

BOLD INDICATES A DETECTED CONCENTRATION THAT IS BELOW ECOLOGY MTCA METHOD A CLEANUP LEVELS

BOLD RED INDICATES THE DETECTED CONCENTRATION EXCEEDS ECOLOGY MTCA METHOD A CLEANUP LEVELS

<sup>1</sup> CALCULATED USING TOXICITY EQUIVALENCY METHODOLOGY IN WAC 173-340-708(E)

## TABLE 4SUMMARY OF GROUNDWATER ANALYTICAL RESULTSPETROLEUM HYDROCARBONS AND SELECT VOLATILE ORGANIC COMPOUNDS



GROUNDWATER SAMPLE ID	DATE SAMPLED	Petrole	UM HYDROCARBON	√S (μG∕L)	Select Volatile Organic Compounds (µg/L)			
Choonewater Samille in		Gasoline-Range	DIESEL-RANGE	Oil-Range	Benzene	Toluene	Ethylbenzene	TOTAL XYLENES
EAI B1-WATER	11/14/2017	<100	-	-	<1	<1	<1	<3
EAI B2-WATER	11/14/2017	<100	-	-	<1	2.1	<1	<3
EAI B5-WATER	11/14/2017	<100	-	-	<1	1.7	<1	<3
EAI B6-WATER	11/14/2017	<100	-	+	<1	<1	<1	<3
EAI B7-WATER	11/14/2017	<100	-	+	<1	<1	<1	<3
EAI B8-Water	11/14/2017	<100	-	-	<1	<1	<1	<3
EAI B14-WATER	11/14/2017	<100		-	<1	<1	<1	<3
ECOLOGY MTCA METHOD A C UNLESS OTHERWISE S	1,000/800 <sup>1</sup>	500	500	5	1,000	700	1,000	

NOTES:

 $\mu$ G/L = MICROGRAMS PER LITER

MTCA = MODEL TOXICS CONTROL ACT

- = NOT ANALYZED FOR THIS CONTAMINANT

< = NOT DETECTED ABOVE LABORATORY DETECTION LIMITS

BOLD INDICATES A DETECTED CONCENTRATION THAT IS BELOW ECOLOGY MTCA METHOD A CLEANUP LEVELS

BOLD RED INDICATES THE DETECTED CONCENTRATION EXCEEDS ECOLOGY MTCA METHOD A CLEANUP LEVELS

<sup>1</sup> FOR GASOLINE MIXTURES WITHOUT BENZENE THE CLEANUP LEVEL IS 1,000 UG/L, FOR GASOLINE MIXTURES WITH BENZENE THE CLEANUP LEVEL IS 800 UG/L.

Appendix A: Historical Land Use Records

#### **Nissan of Kirkland**

11932 124th Avenue NE Kirkland, WA 98034

Inquiry Number: 5846663.5 October 28, 2019

## The EDR Aerial Photo Decade Package



6 Armstrong Road, 4th floor Shelton, CT 06484 Toll Free: 800.352.0050 www.edrnet.com

#### Site Name:

#### **Client Name:**

Nissan of Kirkland 11932 124th Avenue NE Kirkland, WA 98034 EDR Inquiry # 5846663.5

#### Dixon Environmental Services 4010 North 7th Street Tacoma, WA 98406 Contact: Brian Dixon



Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

Search	Results:			
<u>Year</u>	Scale	Details	Source	
2017	1"=500'	Flight Year: 2017	USDA/NAIP	
2013	1"=500'	Flight Year: 2013	USDA/NAIP	
2009	1"=500'	Flight Year: 2009	USDA/NAIP	
2006	1"=500'	Flight Year: 2006	USDA/NAIP	
1990	1"=500'	Acquisition Date: July 18, 1990	USGS/DOQQ	
1985	1"=500'	Flight Date: June 19, 1985	NRWA	
1980	1"=500'	Flight Date: July 27, 1980	USDA	
1977	1"=500'	Flight Date: September 13, 1977	USGS	
1973	1"=500'	Flight Date: July 09, 1973	NOAA	
1968	1"=500'	Flight Date: September 02, 1968	USGS	
1965	1"=500'	Flight Date: July 06, 1965	NRWA	
1952	1"=500'	Flight Date: July 01, 1952	USGS	
1944	1"=500'	Flight Date: April 27, 1944	DIA	

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2350 Allen Sign Co sign pntg 823-1878	411	51 Caplan Charles H 747-5168	4739 Vaca
Totem Lake Radiator auto repr	411	53 Soriano Steve 641-7727	4155 Vaca
821-9525		54 Murdock Ron W 747-1405	Land
		56 Mc Glothlen D C 747-3493	COMEDCI
Evergreen Auto Rebuild 823-8888		57 Al Sand Mohammed	SOMERSI
Totem Lake Glass 821-1106		58 Mount Ronald P 641-2635	FROM
		59 Gross Wm N © 641-8166	
66422 Fentheny Enerst A @ 835-5923		60 Hsiao I-Hsung @ 643-2432	ZIP CO
ATH AV SE (BELLEVUE)-FROM	411	63 Hirshfield James A Jr 747-8999	43D ST
12165 SE 23D ST SOUTH	100		4305 Jone
2504 Clay Joseph H @ 845-3538	And the second se	64*Jones Victor © 623-5900	4342 Egg!
ZIP CODE 98005		65*Dupar Frank A Jr 643-3605	4360 Moh
SE 25TH PL INTERSECTS	10	67 Lee Dan O contract boomer 12 100	43D PL
SE 25TH ST INTERSECTS		69 Vacant	4377 Mc
SE 26TH PL INTERSECTS		70 Chang Wm N 641-1593	136TH
	411	71 Hieb James A 746-8392	4388 Mill
SE 27TH ST INTERSECTS		73 No Return	4398 Kri
712 Gaines Phillip Rev @ 641-9716		77 Lomas Richd W 641-7469	SE 44
722 Mc Gavran Michl W © 883-9827		78 Jacobson O L 641-3552	SE SO
32 Barber Courtland 641-3052	14		4401 Vac
742 Heuser Peter © 746-7681	11	80 Kay Keith L © 641-4147	4408 No
SE 29TH ST INTERSECTS	14	81 Newport Yacht Club 747-3291	4422 Ste
104 Bellevue Christian Center church	111	All Khrs. Annohus II 254-9424 and	4432 Sci
747-4492	411	21	4440 Ga
ALL ARE O DAME vedouored to an		SLATER AV NE (KIRKLAND)-FROM	
88-631 Vatant		12704 124TH AV NE NORTH	4445 Sol
S 2040 Oland PTO STORE TO LITTO S	Mag.	1222 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	4446 No
		ZIP CODE 98033	4454 Hu
820 El Marinero Mexican Seafood Dinners		12055 General Telephone (Gar & Mtce Div)	7
641-1228		tavos General Telephone (Gar & Mtce Div)	H
826 Pizza Haven 641-2560	4121		· · · · · · · · · · · · · · · · · · ·
10.00	2002F		
834 E-+ : C Mall (Ofc) 641-0402	204 Factoria Firs (Ofc) 643-8965 204 James 746-1778		
Factoria Square Marketing letter shop	204 Factoria Firs (Ofc) 04078 205*Langlow James 746-1778 205*Langlow James 746-1778		
747 FOAA	205*Langlow Kay E 641-3468		
	205*Langlow James 740-1770 205*Langlow James 740-1770 206*Carrick Kay E 641-3468		
3836 Central Computers sls 746-5227 3838 Superior Beauty Supply 644-2505	TY 18 W ME & MANY		
Superior Beauty Supply			



Nissan of Kirkland 11932 124th Avenue NE Kirkland, WA 98034

Inquiry Number: 5846663.3 October 28, 2019

# **Certified Sanborn® Map Report**



6 Armstrong Road, 4th floor Shelton, CT 06484 Toll Free: 800.352.0050 www.edrnet.com

# Certified Sanborn® Map Report

### Site Name:

Nissan of Kirkland 11932 124th Avenue NE Kirkland, WA 98034 EDR Inquiry # 5846663.3 Dixon Environmental Services 4010 North 7th Street Tacoma, WA 98406 Contact: Brian Dixon

Client Name:



10/28/19

The Sanborn Library has been searched by EDR and maps covering the target property location as provided by Dixon Environmental Services were identified for the years listed below. The Sanborn Library is the largest, most complete collection of fire insurance maps. The collection includes maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow, and others. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by the Sanborn Library LLC, the copyright holder for the collection. Results can be authenticated by visiting www.edrnet.com/sanborn.

The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

#### Certified Sanborn Results:

Certification # 62D6-454F-8313

**PO #** 0019-03-01

Project Nissan of Kirkland

## **UNMAPPED PROPERTY**

This report certifies that the complete holdings of the Sanborn Library, LLC collection have been searched based on client supplied target property information, and fire insurance maps covering the target property were not found.



Sanborn® Library search results Certification #: 62D6-454F-8313

The Sanborn Library includes more than 1.2 million fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

Lik	orary of	Congress
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University Publications of America

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	bunty			ne How do I Servic		ounty Departments
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Ser 14	King C	ounty Depart	tment o	f Assessments		
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artment						
essments						Reference Links:
Fourth						<ul> <li>King County Tax</li> </ul>
nue. e ADM-					ADVERTISEMENT	Links
0708, ttle, WA						Property Tax Advis
<u>)4</u>	<ul> <li><u>New Search</u></li> <li><u>Property Tax Bill</u></li> </ul>					Washington State
e Hours: - Fri	<ul> <li>Map This Property</li> <li>Glossary of Terms</li> </ul>					Department of Revenue (Externa
a.m. to p.m.	<ul> <li>Area Report</li> </ul>					link)
206-	Print Property Det					<ul> <li>Washington State</li> </ul>
-7300						Board of Tax Appeals (External
5107	Parcel	282605-9046	PARCE	L DATA Jurisdiction	KIRKLAND	link)
7999	Name	S & I OF WA L L C		Levy Code	1743	<ul> <li>Board of</li> </ul>
nd us il	Site Address	11932 124TH AVE NE		Property Type	С	Appeals/Equalizati
	Geo Area	98034 85-25		Plat Block / Building Number		<ul> <li>Districts Report</li> </ul>
	Spec Area			Plat Lot / Unit Number Quarter-Section-Township-	SE-28-26-5	□ iMap
	Property Name	INFINITI OF KIRKLAN	ID	Range	<u>SE-28-20-3</u>	
				/E NE LESS POR FOR 124TH AVE		<ul> <li><u>Recorder's Office</u></li> </ul>
	TRANS LN ESMT TGW PO OF SD RD TH S 89-05-54	W TO W LN OF SD SUBE	Scanned images of surveys and other			
				T LESS PORS FOR RDS PER REC ST PER REC #20130123001745	#'S	map documents
	PLat Block: Plat Lot:					Notice mailing date:
			07/04/2019			
			LAND	DATA		ADVERTISEMENT
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ĺ	Highest & Best Use As If	Vacant MANUFACTURI	NG	Percentage Unusable		
	Highest & Best Use As Improved	PRESENT USE		Unbuildable	NO	
-	Present Use	Auto Showroom	and	Restrictive Size Shape Zoning	NO TL 6A	
	Land SgFt	Lot 144,874		Water	WATER DISTRICT	
	Acres	3.33		Sewer/Septic	PUBLIC	
		5.55				
		0.00		Road Access Parking	PUBLIC	
		0.00		Road Access Parking Street Surface		
I	Painiar	Views		Parking Street Surface Waterfi	PUBLIC ADEQUATE PAVED	
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- - - - - - - - - - - - - - - - - - -	Territorial Olympics Cascades Seattle Skyline Puget Sound Lake Washington Lake Sammamish Lake/River/Creek Other View	Views		Parking Street Surface Waterfront Location Waterfront Footage Lot Depth Factor Waterfront Bank Tide/Shore Waterfront Restricted Access Waterfront Access Rights Poor Quality Proximity Influence Nuisan Topography Traffic Noise	PUBLIC ADEQUATE PAVED ont 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
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Construction	Class	MASONRY								
Building Qua	lity	GOOD								
Stories		2								
Building Gro	ss Sq Ft	13,801								
Building Net	Sq Ft	13,801								
Year Built		1997								
Eff. Year		2005								
Percentage C	omplete	100								
Heating Syst	em	WARMED AND COOLED	ARMED AND COOLED AIR							
Sprinklers		Yes	'es							
Elevators										
Section(s) Of	Building N	umber: 1								
<b>o</b> <i>i</i> :		Section Use				Floor	<b>a a</b>			
Section Number		Section Use	Description	Stories	Height	Number	Gross Sq Ft	Net So Ft		
Number	AUTO DE (455)	Section Use ALERSHIP, COMPLETE	Description Office	Stories	Height 25					
Number 2	(455)						Ft	Ft		
	(455) AUTO DE (455)	ALERSHIP, COMPLETE	Office	1	25		Ft 1,763	1,763		

#### TAX ROLL HISTORY

Account	Valued Year	Tax Year	Omit Year		Appraised Land Value (\$)	Appraised Imps Value (\$)	Appraised Total Value (\$)	New Dollars (\$)	Taxable Land Value (\$)	Taxable Imps Value (\$)	Taxable Total Value (\$)	Tax Value Reason
282605904600	2019	2020		1743	4,201,300	2,742,700	6,944,000	0	4,201,300	2,742,700	6,944,000	
282605904600	2018	2019		1743	3,911,500	2,648,400	6,559,900	0	3,911,500	2,648,400	6,559,900	
282605904600	2017	2018		1743	3,332,100	2,541,300	5,873,400	0	3,332,100	2,541,300	5,873,400	
282605904600	2016	2017		1743	3,042,300	2,944,500	5,986,800	1,000,000	3,042,300	2,944,500	5,986,800	
282605904600	2015	2016		1743	2,607,700	1,995,500	4,603,200	0	2,607,700	1,995,500	4,603,200	
282605904600	2014	2015		1743	2,607,700	2,005,400	4,613,100	0	2,607,700	2,005,400	4,613,100	
282605904600	2013	2014		1743	2,607,700	1,997,000	4,604,700	0	2,607,700	1,997,000	4,604,700	
282605904600	2012	2013		1743	2,782,900	1,910,900	4,693,800	0	2,782,900	1,910,900	4,693,800	
282605904600	2011	2012		1743	2,782,900	1,934,200	4,717,100	0	2,782,900	1,934,200	4,717,100	
282605904600	2010	2011		1743	2,782,900	1,805,500	4,588,400	0	2,782,900	1,805,500	4,588,400	
282605904600	2009	2010		1743	2,782,900	1,923,200	4,706,100	0	2,782,900	1,923,200	4,706,100	
282605904600	2008	2009		1743	2,628,300	1,843,800	4,472,100	0	2,628,300	1,843,800	4,472,100	
282605904600	2007	2008		1743	2,319,000	1,800,400	4,119,400	0	2,319,000	1,800,400	4,119,400	
282605904600	2006	2007		1743	2,137,700	1,640,700	3,778,400	0	2,137,700	1,640,700	3,778,400	
282605904600	2005	2006		1743	2,059,500	1,612,000	3,671,500	0	2,059,500	1,612,000	3,671,500	
282605904600	2004	2005		1743	1,887,800	1,535,000	3,422,800	0	1,887,800	1,535,000	3,422,800	
282605904600	2003	2004		1743	1,716,200	1,827,600	3,543,800	0	1,716,200	1,827,600	3,543,800	
282605904600	2002	2003		1743	1,716,200	1,827,600	3,543,800	0	1,716,200	1,827,600	3,543,800	
282605904600	2001	2002		1743	1,544,600	1,485,800	3,030,400	0	1,544,600	1,485,800	3,030,400	
282605904600	2000	2001		1743	1,544,600	1,460,500	3,005,100	0	1,544,600	1,460,500	3,005,100	
282605904600	1999	2000		1743	1,544,600	1,358,800	2,903,400	0	1,544,600	1,358,800	2,903,400	
282605904600	1998	1999		1743	1,458,800	1,444,600	2,903,400	425,300	1,458,800	1,444,600	2,903,400	
282605904600	1997	1998		1743	0	0	0	0	1,373,000	1,105,100	2,478,100	
282605904600	1996	1997		1743	0	0	0	0	1,373,000	0	1,373,000	
282605904600	1995	1996		1743	0	0	0	0	1,373,000	0	1,373,000	
282605904600	1994	1995		1743	0	0	0	0	1,372,900	100	1,373,000	
282605904600	1992	1993		1743	0	0	0	0	408,700	0	408,700	
282605904600	1990	1991		1743	0	0	0	0	408,700	0	408,700	
282605904600	1988	1989		1743	0	0	0	0	408,700	0	408,700	
282605904600	1986	1987		1743	0	0	0	0	389,800	0	389,800	
282605904600	1984	1985		1743	0	0	0	0	350,600	0	350,600	
282605904600	1982	1983		7365	0	0	0	0	133,300	0	133,300	

#### SALES HISTORY

Excise Number	Recording Number	Document Date	Sale Price	Seller Name	Buyer Name	Instrument	Sale Reason	
<u>2585871</u>	20130123001745	1/23/2013	\$0.00	S & I WA LLC	KIRKLAND CITY OF	Statutory Warranty Deed	Other	
2298953 20070718001655		20070718001655 7/3/2007		S&I OF WA LLC	KIRKLAND CITY OF	Statutory Warranty Deed	Correction (refiling)	
<u>2278859</u>	20070419001940	3/30/2007	\$0.00	S & I OF WA LLC	KIRKLAND CITY OF	Statutory Warranty Deed	Other	
<u>1883590</u>	883590 20020502002012		\$0.00	S & I OF WASHINGTON LLC	KIRKLAND CITY OF	Statutory Warranty Deed	Other	
<u>1524497</u>	199701211056	1/14/1997	\$516,667.00	HERN MICHAEL J	S&IOFWALLC	Warranty Deed	None	
<u>1524496</u>	199701211055	1/14/1997	\$516,667.00	HERN ALBERT JR	S&IOF WALLC	Warranty Deed	None	

Permit Number           DEM16- 01298           BNR13- 01427           BNR13- 01427           BNR13- 01064           BLD07- 00383           BLD970474	Perr Kirkland Nissan Demolish the ex Car Sales Office Kirkland Nissan exterior and inte Infiniti of Kirkland addition, site wo acquisition. (149 addition, site wo acquisition. (149	isting Kirkla - Building a rior renovat d - 816 SF o rk related to 6 S.F. interi	\$0.00 <b>ption</b> Removal - nd Nissan Used ddition and	IOSEPH HERN ELLA M REVIEW HIS PERMIT HIS Type	W	CHAEL H+ALBERT	Deed Quit Claim Deed	Settlement													
Number           DEM16- 01298           07365           MNR13- 01427           BNR13- 01064           BLD07- 00383           BLD970474	Kirkland Nissan Demolish the exi Car Sales Office Kirkland Nissan exterior and inter Infiniti of Kirkland addition, site wo acquisition. (149 addition, site wo acquisition. (149	Used Card isting Kirkla - Building a rior renovat d - 816 SF c rk related to 66 S.F. interi	Removal - nd Nissan Use	PERMIT HIS	TORY	Permit	<u> </u>														
Number           DEM16- 01298           07365           MNR13- 01427           BNR13- 01064           BLD07- 00383           BLD970474	Kirkland Nissan Demolish the exi Car Sales Office Kirkland Nissan exterior and inter Infiniti of Kirkland addition, site wo acquisition. (149 addition, site wo acquisition. (149	Used Card isting Kirkla - Building a rior renovat d - 816 SF c rk related to 66 S.F. interi	Removal - nd Nissan Use	PERMIT HIS	TORY	Permit															
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DEM16- 01298 BNR13- 07365 MNR13- 01427 BNR13- 01064 BLD07- 00383 BLD970474	Demolish the exi Car Sales Office Kirkland Nissan exterior and inter Infiniti of Kirklanc addition, site wo acquisition. (149 Infiniti of Kirklanc addition, site wo acquisition. (149	isting Kirkla - Building a rior renovat d - 816 SF o rk related to 6 S.F. interi	nd Nissan Use	Demolition		Value	Issuing Jurisdiction	Reviewed Date													
07365 MNR13- 01427 BNR13- 01064 BLD07- 00383 BLD970474	exterior and inter Infiniti of Kirkland addition, site wo acquisition. (149 Infiniti of Kirkland addition, site wo acquisition. (149	rior renovat d - 816 SF o rk related to 6 S.F. interi	Car Sales Office.,           IR13- 365         Kirkland Nissan - Building addition and exterior and interior renovation.,			\$12,500	KIRKLAND	8/31/2016													
MNR13- 01427 BNR13- 01064 BLD07- 00383 BLD970474	addition, site wor acquisition. (149 Infiniti of Kirkland addition, site wor acquisition. (149	rk related to 6 S.F. interi	exterior and interior renovation., Infiniti of Kirkland - 816 SF one story			\$1,000,000	KIRKLAND	5/26/2016													
01064 BLD07- 00383 BLD970474	addition, site wor acquisition. (149	d 016 65 -	one story City ROW	Remodel	4/4/2013	\$10,000	KIRKLAND	8/12/2013													
BLD07- 00383 BLD970474	Infiniti of Kirkland - 816 SF one story addition, site work related to City ROW acquisition. (1496 S.F. interior renovation),			Remodel	4/4/2013	\$300,000	KIRKLAND	8/12/2013													
BLD970474	939 sq ft addition for 2-car wash bays for infinity of Kirkland.			Building, New	5/22/2007	\$93,900	KIRKLAND	8/17/2010													
				Accessory, New	4/23/1997	\$12,000															
BLD961193	BLD961193			Building, New	2/14/1997	\$1,200,000															
					ADVERTISEMENT																
U	Jpdated: Jan. 29,	2019	Sh	are Twee	t Ema	ail															
mation for		C	o more (	online			Get help														
			rip Planner				• Contact us														
ses			roperty tax inf	ormation & pa	yment		Customer se	vice													
kers			ail inmate look				Phone list														
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King Co	untv																				
					© Kin	ig County, V	VA 2019 Priv	acy Accessibility	Terms of use	© King County @ King County, WA 2019 Privacy Accessibility Terms of use											
mation for		C	o more (	online																	





TAX LOTS ADDITION LOT TAX LOT 46 5 N 3.50 AC OF SW4: OF SE4 LY W OF CO RD # 970 (ESMT C OF S TRANS LN) LESS BEG NE COR OF SW4 OF SE4 TH W 835' TH S 52.2' TH E 835' TH N 52.2' TO BEG EX POR E OF W MGN OF CO RD. LESS S 109' OF E LOO'THROF DESCRIPTION N 3.50 AC OF POR OF SW4 OF SE4 LY WLY OF SLATER AVE N.E. LESS N 52.20' LESS S 109' OF E 400' SUBJ TO ESM'T TRANS LN R/W LY OF SLATER AVE N.E. LESS N 52.20' LESS S 109' 28 26 BLOCK LIMITS esnot tress la R/W 7360 610 282605-046 FILE NUMBER PRICE REMARKS OWNER OR CONTRACT PURCHASER DATE

DISTRICT:	ROAD	SCHOOL	WATER	FIRE	SEWER	HOSPITAL	AIRPORT	FERRY	Metro		
	3	414	78	41		HOS. 进2			MC 01 0		
			81								
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					ASSESSE	D VALUE			
YEAR	ACRES	TIMBER	LAND	BLDGS.	TOTAL	DATE	BY	REASON	SEG. NO.
19 55 2	2.18		100		100	10/29/54	NL(B)	SEG TL 94 fr 46	B-5607
157	• 1		220	-		2-8-56	M	RN	
19 58	1.51		150		150	2/24/58	NL(T)	SEG TL'S 58 & 46	F - 1043
19 62			610	-		8-4-60	LL	12	
1968			3440		3440	5-5-67	Bes	RU	
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1971		The second	6560		6560	6/24/11	0415	Challe + legil - 12/3/7	0 - 13-346:
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282605-9058

istrict 2.	SECTION 28 TWP	26 N. RANGE 5	TAX LOT NO TAX LOTS		· · ·	14
	DESCRIPTION	Bee NE COT OF	Tax Lot 58 SW <sup>1</sup> of SE <sup>1</sup> th W 835' th S	52.2' th E 835	th N 52.21	
F 7/054 LIMITS	· · · · · ·	to Beg Less I	Por E of W Men Co Rd (46)	- Jese por to	~ 124th ave NE	
CO.	N 52.20	OF POR OF SW1 (	OF SEA LY WLY OF SLATER AT	VE N.E SUBJ TO	ESM'T TRANS LN R/W.	
CODE NO.		Pouto 2 Po	x 201 Kirkland			
PERMIT NO.	ADDRESS OF PROPERTY	TAMES D	INNEEN (W.D)	6-14-35	(7-15-35)	
5.	ARCHITECT			CONTRACTOR		
	ORIG. BUILDING COST \$	01	NTERIOR Unfinished FOUND		FLOOR PLAN	\$ 5.00 -
8. BUILDING	TILE WORK	PORCHES	9. CORNER JOINTS Shake 10. FIRST FLOOR JOIST SIZE 2	DOWN SPOUTS	SEWER CONNECTED None	-
1 Fmly Dwell 1 Story	None Lino Flore - Bath	2 - 1 Story 2 - Roofed	10. FIRST FLOOR JOIST SIZE 4	X O AND DE	Cedar x Blocks	
3 & Rooms + U.	Kitchen		12. CLASS OR GRADE NO. Sh	lack	SHAPE NO.	F
3 & 1st Floor 5.	Kitchen Dr. Board	EXTRA FEATURES	13. BUILDING FINISHED OR UNFINIS	SHED UNIINISA		2
	ATTIC	None	14. DEPRECIATION: CONDITION	32 . OBSISE	SECON. SUIT TOTA	17 -
INTERIOR WALLS	None	BUILT-INS	YEAR BUILT TYOU REMODELED	LAND INFORMAT	ION	TRS.
2 Open Studs		Usual	1. SIZE Irreg.	2 BOAD Y	es - Oil & Gravel	
ceiled . Cedar			Out House	Fair-Nat	Well PUMP	
2 paperad orea	HEATING	CONSTRUCTION	4. TREND Static 5. DI LAND USE SOIL TYPE CR	STRICT Medium-UIC	a 6. USE Hes -Farming	VALUE
FLOORS	Stove	Double Bal-Cheap	Residence A	OPS-TIMBER STAND	\$ \$	
3 \$ Fir	Elect BB.	CEILING HEIGHT			\$	
		1st Floor 7'6"			5	<u></u>
FIRE PLACE	-				0.35 VALUE \$	· · ·
None Ruile	BASEMENT		LAND SIZE X TOT	AL NUMBER OF ACRES	ASSESSED VALUE \$	
	None		I	UNC DI DEFE	REMARKS	
INTERIOR TRIM		_				
2 Unfinished 3 7		-			MAIN BUILDING	
		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	12-2-38			T. AREA
PLUMBING	Wood Block	F 7/0	51 IA MIL		$ \begin{array}{c c} 14 \times 20 & 360 \\ 8 \times 10 & 796 \\ \end{array} $	150
Nono SA Fistures	2 Pch " "	S 14			PCH. 6 x 12 72	556
1 Tub	ROOF	- A A	28-26-517	58	<sub>РСН.</sub> 5 x 6 30	
1 Toilet	Hand Split	3	t 7 13 x 201		IMPROVEMENT VAL	
1 Sink	EXTERIOR WALLS	K	in Kland Win		MAIN BUILDING 54 5 120	<u>.</u>
1 H. Water Tan	Hand Split Shak		and the second second second		OTHER BUILDINGS	D. 30/51
average	Boards & Batter				ASSESSED VALUE 50% \$ 7( DATE 1-1-1939 - 700-	
	1 end				DATE 1-1-1939 -900-	128-65
	Shakee				1968-2-50-450	5/100
OTHER BUILDINGS	CONSTRUCTION	FLOOR ROOF STY	. DIMENSION AREA VALUE		FLOOR PLAN SC / = 10	
GARAGE			x s 11 x 16 176 25.			
Shed	Single	Dirt Tin 1	11 x 16 176 25.			
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REMARKS\_

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**Appendix B: Laboratory Analytical Reports** 



December 2, 2019

Brian Dixon Dixon Environmental Services 4010 N 7<sup>th</sup> Street Tacoma, WA 98406

Dear Mr. Dixon:

Please find enclosed the analytical data report for the Nissan of Kirkland Project in Kirkland, Washington. Probe services were conducted on November 20, 2019. Soil samples were analyzed for Hydrocarbon Identification by NWTPH-HCID, Diesel and Oil by NWTPH-Dx/Dx Extended, Gasoline by NWTPH-Gx, BTEX by Method 8260, PAH's by Method 8081, MTCA 5 Metals by Method 6020, and Hexavalent Chromium by Method 7196A on November 21 – December 2, 2019.

The results of the analyses are summarized in the attached tables. All soil values are reported on a dry weight basis. Applicable detection limits and QA/QC data are included. An invoice for this analytical work is also enclosed.

ESN Northwest appreciates the opportunity to have provided services for this project. If you have any further questions about the data report, please give us a call. It was a pleasure working with you on this project, and we are looking forward to the next opportunity to work together.

Sincerely,

Michael & Korner

Michael A. Korosec President

1210 Eastside Street SE, Suite 200 ■ Olympia, Washington 98501 ■ 360.459.4670 ■ FAX 360.459.3432Web Site: www.esnnw.comE-Mail: info@esnnw.com

Dixon Environmental Services NISSAN OF KIRKLAND PROJECT Client Project #0019-03-02 Kirkland, Washington ESN Northwest 1210 Eastside Street SE Suite 200 Olympia, WA 98501 (360) 459-4670 (360) 459-3432 Fax lab@esnnw.com

## Hydrocarbon Identification Analysis of Soil by Method NWTPH-HCID

Sample	Date	Date	Surrogate	Gasoline Range Organics	Diesel Range Organics	Lube Oil Range Organics
Number	Prepared	Analyzed	Recovery (%)	(mg/kg)	(mg/kg)	(mg/kg)
Method Blank	11/22/2019	11/22/2019	124	nd	nd	nd
LCS	11/22/2019	11/22/2019	135		113%	
31-2.5	11/20/2019	11/22/2019	129	nd	nd	nd
32-6	11/20/2019	11/22/2019	129	nd	nd	nd
33-3	11/20/2019	11/22/2019	137	nd	nd	nd
34-7	11/20/2019	11/22/2019	144	nd	nd	nd
B5-7	11/20/2019	11/22/2019	150	nd	nd	nd
Reporting Limits				20	50	100

"---" Indicates not tested for component.

"nd" Indicates not detected at listed detection limits.

"D" Indicates detected above the listed detection limit.

"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE : 65% TO 135%

Dixon Environmental Services NISSAN OF KIRKLAND PROJECT Client Project #0019-03-02 Kirkland, Washington ESN Northwest 1210 Eastside Street SE Suite 200 Olympia, WA 98501 (360) 459-4670 (360) 459-3432 Fax lab@esnnw.com

## Analysis of Diesel Range Organics & Lube Oil Range Organics in Soil by Method NWTPH-Dx/Dx Extended

Sample Number	Date Prepared	Date Analyzed	Surrogate Recovery (%)	Diesel Range Organics (mg/kg)	Lube Oil Range Organics (mg/kg)
Method Blank	11/22/2019	11/22/2019	124	nd	nd
LCS	11/22/2019	11/22/2019	135	113%	
B2-2	11/20/2019	11/22/2019	123	nd	nd
B4-3	11/20/2019	11/22/2019	141	nd	nd
B5-3	11/20/2019	11/22/2019	134	nd	nd
B5-3 Duplicate	11/20/2019	11/22/2019	144	nd	nd
Reporting Limits				50	100

"---" Indicates not tested for component.

"nd" Indicates not detected at the listed detection limits.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE : 50% TO 150%

Dixon Environmental Services NISSAN OF KIRKLAND PROJECT Client Project #0019-03-02 Kirkland, Washington ESN Northwest 1210 Eastside Street SE Suite 200 Olympia, WA 98501 (360) 459-4670 (360) 459-3432 Fax lab@esnnw.com

# Analyses of Gasoline Range Organics in Soil by Method NWTPH-Gx

Sample	Date	Date	Surrogate	Gasoline Range Organics
Number	Prepared	Analyzed	Recovery (%)	(mg/kg)
Method Blank	11/22/2019		108	nd
LCS	11/22/2019		115	101%
B4-3	11/20/419	11/22/2019	100	700
B5-3	11/20/2019	11/22/2019	105	260
Reporting Limits				10

"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE: 65% TO 135%

Dixon Environmental Services NISSAN OF KIRKLAND PROJECT Client Project #0019-03-02 Kirkland, Washington ESN Northwest 1210 Eastside Street SE Suite 200 Olympia, WA 98501 (360) 459-4670 (360) 459-3432 Fax lab@esnnw.com

## Analyses of BTEX (EPA Method 8260) in Soil

Sample	Date	Date	Benzene	Toluene	Ethylbenzene	Xylenes	Surrogate
Number	Prepared	Analyzed	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	Recovery (%)
Method Blank	11/22/2019	11/22/2019	nd	nd	nd	nd	110
LCS	11/22/2019	11/22/2019	85%	113%	120%	118%	99
LCSD	11/22/2019	11/22/2019	75%	99%	107%	106%	100
B4-3	11/20/2019	11/22/2019	nd	nd	nd	nd	102
B5-3	11/22/2019	11/22/2019	nd	nd	nd	nd	106
Reporting Limits			0.02	0.05	0.05	0.15	

"nd" Indicates not detected at the listed detection limits. "int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE (4-Bromofluorobenzene) & LCS: 65% TO 135%

Dixon Environmental Services NISSAN OF KIRKLAND PROJECT Client Project #0019-03-02 Kirkland, Washington ESN Northwest 1210 Eastside Street SE Suite 200 Olympia, WA 98501 (360) 459-4670 (360) 459-3432 Fax lab@esnnw.com

### Analysis of Polynuclear Aromatic Hydrocarbons in Soil by Method 8270

		MTH BLK	LCS	B2-2
Date extracted	Reporting	11/21/19	11/21/19	11/21/19
Date analyzed	Limits	11/21/19	11/21/19	11/21/19
Moisture, %	(mg/kg)			54%
Naphthalene	0.02	nd	96%	nd
2-Methylnaphthalene	0.02	nd	99%	nd
1-Methylnaphthalene	0.02	nd	ns	nd
Acenaphthylene	0.02	nd	103%	nd
Acenaphthene	0.02	nd	99%	nd
Fluorene	0.02	nd	99%	nd
Phenanthrene	0.02	nd	107%	nd
Anthracene	0.02	nd	109%	nd
Fluoranthene	0.02	nd	107%	nd
Pyrene	0.02	nd	109%	nd
Benzo(a)anthracene*	0.02	nd	113%	nd
Chrysene*	0.02	nd	107%	nd
Benzo(b)fluoranthene*	0.02	nd	87%	nd
Benzo(k)fluoranthene*	0.02	nd	111%	nd
Benzo(a)pyrene*	0.02	nd	90%	nd
Indeno(1,2,3-cd)pyrene*	0.02	nd	108%	nd
Dibenzo(a,h)anthracene*	0.02	nd	85%	nd
Benzo(ghi)perylene	0.02	nd	84%	nd
Total Carcinogens				nd
Surrogate recoveries:				
2-Fluorobiphenyl		100%	103%	104%
p-Terphenyl-d14		109%	117%	123%

Data Qualifiers and Analytical Comments

\* - Carcinogenic Analyte

nd - not detected at listed reporting limits

ns - not spiked

Results reported on dry-weight basis

Acceptable Recovery limits: 50% TO 150%

Acceptable RPD limit: 35%

**SPECTRA** Laboratories

2221 Ross Way • Tacoma, WA 98421 • (253) 272-4850 • Fax (253) 572-9838 • www.spectra-lab.com

# 12/02/2019

ESN Northwest 1210 Eastside St SE Suite 200 Olympia, WA 98501 Attn: Julie Woods			Project: Sample Matrix: Date Sampled: Date Received: Spectra Project:	Nissan of Kirk Solid 11/20/2019 11/21/2019 2019110613 Rush	kland
Client ID	Spectra #	Analyte	Result	Units	Method
B2-2	1	Total Arsenic	4.0	mg/Kg	SW846 6010D
B2-2	1	Total Cadmium	< 0.3	mg/Kg	SW846 6010D
B2-2	1	Total Chromium	1.0	mg/Kg	SW846 6010D
B2-2	1	Total Lead	37.2	mg/Kg	SW846 6010D
B2-2	1	Total Mercury	< 0.05	mg/Kg	SW846 7471B
B4-3	2	Total Arsenic	< 2.5	mg/Kg	SW846 6010D
B4-3	2	Total Cadmium	< 0.3	mg/Kg	SW846 6010D
B4-3	2	Total Chromium	22.6	mg/Kg	SW846 6010D
B4-3	2	Total Lead	4.4	mg/Kg	SW846 6010D
B4-3	2	Total Mercury	< 0.05	mg/Kg	SW846 7471B
B5-3	3	Total Arsenic	< 2.5	mg/Kg	SW846 6010D
B5-3	3	Total Cadmium	< 0.3	mg/Kg	SW846 6010D
B5-3	3	Total Chromium	24.6	mg/Kg	SW846 6010D
B5-3	3	Total Lead	4.3	mg/Kg	SW846 6010D
B5-3	3	Hexavalent Chromium	<0.5	mg/Kg	SW846 7196A
B5-3	3	Total Mercury	< 0.05	mg/Kg	SW846 7471B

SPECTRA LABORATORIES Cooper, Laboratory Manager a7/jac

**SPECTRA** Laboratories

...Where experience matters

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December 2, 2019

ESN NorthwestUnits:mg/Kg1210 Eastside St SESpectra Project:2019110613Suite 200Applies to Spectra #'s :1Olympia, WA 98501State State State

# QUALITY CONTROL RESULTS

Hexa	avalent Chromium		olid - Met			SW846 7190	5A	
		N	Aethod Bl	ank				
Date Analyzed:	11/27/2019				Date E	Extracted:	11/27	/2019
	Hexavalent Ch	romium	Result <0.1	10				
		Bla	nk Spike (	LCS)				
Date Analyzed:	11/27/2019				Date E	Extracted:	11/27/	/2019
			Spike	LCS	LCS			
		-	Added	Conc.	%Rec			
	Hexavalent Ch	romium	0.1	0.103	103			
LCS Recovery limits	73-120%							
	Matrix S	pike/Mat	rix Spike	Duplicate	(MS/MSD)	1		
Date Analyzed:	11/22/2019				Date E	Extracted:	11/27	/2019
Sample Spiked:	2019110613-1							
		Sample	Spike	MS	MS	MSD	MSD	
		Conc.	Conc.	Conc.	%Rec	Conc	%Rec	RPD
Hex	avalent Chromium	<0.5	0.50	0.64	128	0.56	112	2.9

RPD Limit 20

SPECTRA LABORATORIES

Cooper Laboratory Manager

Website: www.esnnw.com E-Mail: lab@esnnw.com		570 12	Phone: 360-459-4670 Fax: 360-459-34 <mark>3</mark> 2			01 01	Olympia, Washington 98501
Turn Around Time: 24 HR 48 HR 5 DAV	Turn Around	NULES:				1111 P 200	1210 Fastside Street SF Suite 200
		RECEIVED GOOD COND./COLD	2 7				
		SEALS INTACT? Y/N/NA	DATE/TIME S	RECEIVED BY (Signature)	DATE/TIME	ture)	KELINQUISHED BY (Signature)
		CHAIN OF CUSTODY SEALS Y/N/NA	0		b1/02/.		
		TOTAL NUMBER OF CONTAINERS				S	N
RY NOTES:	LABORATORY NOTES:	SAMPLE RECEIPT	DATE/TIME	RECEIVED BY (Signature)	DATE/TIME	ture	RELINQUISHED BY (Signature)
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					1135	7.1	8. 54-7
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					1000	6	6. 83-6
				× 1	1050	3, 1	5. B3-3
				× .	1032	6, 1	4. B2-6
		×	×	×	0401	2' 10	3. 82-2
					1025	6' 1	2. 31-6
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٩	PAGE /	DATE: 11-20-19		Services	Environmental	-	CLIENT: Dixon
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Environmental

Services Network

February 25, 2020

Eric Zuern Environmental Associates 1380 112th Avenue NE, Suite 300 Bellevue, WA 98004

Dear Mr. Zuern:

Please find enclosed the analytical data report for the Kirkland Nissan Project in Kirkland, Washington. Probe services were conducted on February 13, 2020. Soil and water samples were analyzed for Gasoline by NWTPH-Gx and BTEX by Method 8260 on February 14 - 21, 2020.

The results of these analyses are summarized in the attached tables. All soil values are reported on a dry weight basis. Applicable detection limits and QA/QC data are included. A copy of the invoice for this work is also enclosed.

ESN Northwest appreciates the opportunity to have provided analytical services to Environmental Associates for this project. If you have any further questions about the data report, please give us a call. It was a pleasure working with you on this project, and we are looking forward to the next opportunity to work together.

Sincerely,

Michaela Kozowe

Michael A. Korosec President
## ESN NORTHWEST CHEMISTRY LABORATORY

Environmental Associates, Inc PROJECT KIRKLAND NISSAN PROJECT #22175-1 Kirkland, Washington ESN Northwest 1210 Eastside Street SE Suite 200 Olympia, WA 98501 (360) 459-4670 (360) 459-3432 Fax lab@esnnw.com

### Analysis of Gasoline Range Organics & BTEX in Soil by Method NWTPH-Gx/8260

Sample	Date	Date	Benzene	Toluene	Ethylbenzene	Xylenes	Gasoline Range Organics	Surrogate
Number	Prepared	Analyzed	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	Recovery (%)
Method Blank	2/14/2020	2/14/2020	nd	nd	nd	nd	nd	101
LCS	2/14/2020	2/14/2020	113%	103%	104%	105%	135%	104
LCSD	2/14/2020	2/14/2020	112%	98%	101%	99%		105
B1-3	2/13/2020	2/14/2020	nđ	nd	nd	nd	nd	102
B1-7	2/13/2020	2/14/2020	nd	nd	nd	nd	nd	105
B1-7 Duplicate	2/13/2020	2/14/2020	nd	nd	nđ	nd	nd	98
B2-3	2/13/2020	2/14/2020	nd	nd	nd	nd	nd	98
B2-7	2/13/2020	2/14/2020	nd	nd	nd	nd	12	108
B3-1.5	2/13/2020	2/14/2020	nd	nd	nd	nd	nd	101
B3-3	2/13/2020	2/14/2020	nd	nd	nd	nd	nd	100
B3-5	2/13/2020	2/14/2020	nd	nd	nd	nd	nd	96
B4-3	2/13/2020	2/18/2020	nd	nd	nd	nd	nd	103
B4-7	2/13/2020	2/18/2020	nď	nd	nd	nd	nd	100
B4-7 Duplicate	2/13/2020	2/18/2020	nd	nd	nd	nd	nd	103
B5-2	2/13/2020	2/18/2020	nd	nđ	nd	nd	nd	103
B5-3	2/13/2020	2/18/2020	nd	nd	nd	nd	nd	101
B5-7	2/13/2020	2/18/2020	nd	nd	nd	nd	nd	107
B6-2.5-3	2/13/2020	2/18/2020	nd	nd	nd	nd	nd	103
B6-7	2/13/2020	2/18/2020	nd	nd	nd	nd	nd	101
B7-2.5-3	2/13/2020	2/18/2020	nd	nd	nd	nd	nd	97
B7-7	2/13/2020	2/18/2020	nd	nd	nd	nd	nd	102
B8-2-3	2/13/2020	2/18/2020	nd	nd	nd	nd	nđ	106
B8-7	2/13/2020	2/18/2020	nd	nd	nd	nd	nd	108
Reporting Limits			0.02	0.05	0.05	0.15	10	

"---" Indicates not tested for component.

"nd" Indicates not detected at the listed detection limits.

"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE (Bromoflurorbenzene) & LCS: 65% TO 135%

## ESN NORTHWEST CHEMISTRY LABORATORY

Environmental Associates, Inc PROJECT KIRKLAND NISSAN PROJECT #22175-1 Kirkland, Washington ESN Northwest 1210 Eastside Street SE Suite 200 Olympia, WA 98501 (360) 459-4670 (360) 459-3432 Fax lab@esnnw.com

# Analysis of Gasoline Range Organics & BTEX in Water by Method NWTPH-Gx/8260

Sample	Date	Benzene	Toluene	Ethylbenzene	Xylenes	Gasoline Range Organics	Surrogate
Number	Analyzed	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	Recovery (%)
Method Blank	2/21/2020	nd	nd	nd	nd	nd	102
LCS	2/21/2020	89%	105%	98%	106%	128%	102
B1-Water	2/21/2020	nd	nd	nd	nd	nd	100
B2-Water	2/21/2020	nd	2.1	nd	nd	nd	107
B2-Water Duplicate	2/21/2020	nđ	1.7	nd	nd	nd	106
B5-Water	2/21/2020	nd	nd	nd	nd	nd	103
B6-Water	2/21/2020	nd	nd	nd	nd	nd	103
B7-Water	2/21/2020	nd	nd	nd	nd	nd	107
B8-Water	2/21/2020	nd	nd	nd	nd	nd	103
Reporting Limits		1.0	1.0	1.0	3.0	100	

"nd" Indicates not detected at the listed detection limits.

"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE (Bromoflurorbenzene) & LCS: 65% TO 135%

: 10ppb 8260 standard Sample Name



min

2.0

Sample Name : 1000ppb gasoline standard



Sample Name

: mb



Sample Name

: eai b1-3 (7.92g)



Sample Name : eai b1-7 (11.71g/10ml)



nsin

Sample Name : eai b1-7 dup (7.00g)



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Sample information
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Sample Name



Sample Name



Sample Name

: eai b3-1.5 (5.48g)



ara. Misisi

Sample Name : eai b3-3 (10.89g/10ml)



io.o min

Sample Name : eai b3-5 (11.19g/10ml)



: eai b4-3 (10.99g/10ml) Sample Name



min

2.0

Sample Name : eai b4-7 (11.87g/10ml)



ກາ້າກ

Sample Name : eai b5-2 (8.47G)



Sample Name

: eai b5-3 (9.71g)



Sample Name

: eai b5-7 (9.17g)



: eai b6-2.5-3 (11-03g/10ml) Sample Name



16.0 min



Sample Name

: eai b6-7 (7.06)

Sample Name : eai b7-2.5-3 (9.19G)



Sample Name : eai b7-7 (8.89G)



Sample Name : eai b8-2.3 (13.29G/10ml)



Sample Name : eai b8-7 (10.09/10mlG)



Sample Name

: eai b1-water



Sample Name : eai b2-water



Sample Name : eai b2-water dup





min

Sample Information

Sample Name : eai b5-water

Sample Name : cai b6-water





mîn

Sample Information

Sample Name

: eai b7-water



Sample Name

: eai b8-water

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## ESN NORTHWEST CHEMISTRY LABORATORY

Environmental Associates, Inc PROJECT KIRKLAND NISSAN PROJECT #22175-2 Kirkland, Washington

## ESN Northwest 1210 Eastside Street SE Suite 200 Olympia, WA 98501 (360) 459-4670 (360) 459-3432 Fax lab@esnnw.com

## Analysis of Gasoline Range Organics & BTEX in Water by Method NWTPH-Gx/8260

Sample	Date	Benzene	Toluene	Ethylbenzene	Xylenes	Gasoline Range Organics	Surrogate
Number	Analyzed	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	Recovery (%)
Method Blank	3/23/2020	nd	nd	nd	nd	nd	106
LCS	3/23/2020	85%	122%	104%	119%	129%	107
LCSD	3/23/2020	89%	99%	98%	108%		107
B14-W	3/23/2020	nd	nd	nd	nd	nd	108
D							
Reporting Limits		1.0	1.0	1.0	3.0	100	

"nd" Indicates not detected at the listed detection limits. "int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE (Bromoflurorbenzene) & LCS: 65% TO 135%

#### ESN NORTHWEST CHEMISTRY LABORATORY

Environmental Associates, Inc PROJECT KIRKLAND NISSAN PROJECT #22175-2 Kirkland, Washington ESN Northwest 1210 Eastside Street SE Suite 200 Olympia, WA 98501 (360) 459-4670 (360) 459-3432 Fax 1ab@esnnw.com

## Analysis of Gasoline Range Organics & BTEX in Soil by Method NWTPH-Gx/8260

Sample	Date	Date	Benzene	Toluene	Ethylbenzene	Xylenes	Gasoline Range Organics	Surrogate
Number	Prepared	Analyzed	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	Recovery (%)
Method Blank	3/18/2020	3/18/2020	nd	nd	nd	nd	nd	106
LCS	3/18/2020	3/18/2020	98%	92%	96%	98%	113%	103
LCSD	3/18/2020	3/18/2020	109%	95%	100%	100%	_	101
B9-3	3/17/2020	3/18/2020	nd	nd	nd	nd	nd	103
B9-7	3/17/2020	3/18/2020	nd	nd	nd	nd	nd	111
B9-7 Duplicate	3/17/2020	3/18/2020	nd	nd	nd	nd	nd	106
B10-3	3/17/2020	3/18/2020	nd	nd	nd	nd	nd	106
B10-7	3/17/2020	3/18/2020	nd	nd	nd	nd	nd	105
B11-3	3/17/2020	3/18/2020	nd	nd	nd	nd	nd	106
B11-7	3/17/2020	3/18/2020	nd	nd	nd	nd	nd	108
B12-3.5	3/17/2020	3/18/2020	nd	nd	nd	nd	nd	105
B12-7	3/17/2020	3/18/2020	nd	nd	nd	nd	nd	108
B13-4	3/17/2020	3/18/2020	nd	nd	nd	nd	nd	107
B13-7	3/17/2020	3/19/2020	nd	nd	nd	nd	nd	105
B14-4	3/17/2020	3/19/2020	nd	nd	nd	nd	430	107
B14-7	3/17/2020	3/19/2020	nd	nd	nd	nd	nd	110
B14-7 Duplicate	3/17/2020	3/19/2020	nd	nd	nd	nd	nd	105
B15-3	3/17/2020	3/19/2020	nd	nd	nd	nd	nd	104
B15-7	3/17/2020	3/19/2020	nd	nd	nd	nd	nd	100
B16-3	3/17/2020	3/19/2020	nd	nd	nd	nd	nd	107
B16-10	3/17/2020	3/19/2020	nd	nd	nd	nd	nd	105
Reporting Limits			0.02	0.05	0.05	0.15	10	

"---" Indicates not tested for component.

"nd" Indicates not detected at the listed detection limits.

"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE (Bromoflurorbenzene) & LCS : 65% TO 135%

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### Appendix C: Boring Logs

					Project:	Nissan of I	Kirkland	D	oring ID:	D	4
		K		<b>CON</b> ENTAL SERVICES	Location:	11932 124 Kirkland, V	th Avenue NE VA		oring ID:	B	
			LINVIKONMI	ENTAL SERVICES	Client:	LMJ Enter	prises		Project Number:	0019-	03-02
D	ate Start/Fir	nish:	11/20/2019		Drilling Me	ethod:	Direct Push	_	Unified Soil Classi		
	Logged By	<i>ı</i> :	B. Dixon		Auger ID/0	DD:	NA	NON-COHESIVE SOILS	GP POORLY-GRADED GRA		
	Checked B	y:	M. Leone		Borehole I	ID/OD:	2"	ESIVE	GU CLAYEY GRAVEL SW WELL-GRADED SAND,	FINE TO COARS	E SAND
	Contracto	r:	ESN Northwe	est	Sampler:		5' MacroCore	N-COH	SP POORLY-GRADED SAN SM SILTY SAND	ID	
	Operator	:	Don		Hammer V	Vt./Fall:	NA	Q	CLAYEY SAND		
В	Boring Locat	ion:	See Figure	3	Ground El	evation:	~167' bgs	SOILS	CL CLAY OL ORGANIC SILT, ORGAN		
-	Coordinate	s:	NA		Water Dep	oth:	~5.5' bgs	COHESIVE (	MH SILT OF HIGH PLASTIC CH CLAY OF HIGH PLASTIC OH ORGANIC CLAY ORGA	CITY, FAT CLAY	т.
	Weather:		Sunny		Boring De	pth:	10' bgs	COHE	ORGANIC CLAY, ORGA	NIC SILT	
Depth (ft bgs)	Sample Number	Time	PID Reading	Remarks			Soil and Rock Desc	ription		Unified Classification	Well Construction Detail
1							2-3" Asphalt				
2	B1-2.5	10:15	0.0	No HC Odor		Dark	brown, fine grained sand	y SILT, der	ise.	ML	
3					_	Light	brown, fine grained sand	y SILT, der	ise.	ML	
4					_						
5											
6	B1-6	10:25	0.0	No HC Odor	Bro	wn, medium	grained, poorly graded S	SAND with 1	race silt, wet.	SP	
7					_						
8					_						
9					_						
10							Boring terminated at 1				
11					-						
12					-						
13					-						
14					-						
15					-						
16					-						
17 18					1						
10					1						
20					1						
Notes	<u>:</u>										
L											

					Project:	Nissan of I	Kirkland	D	oring ID:	D	32
		M			Location:	11932 124 Kirkland, V	th Avenue NE √A		oring ID:		
			Littinoitine	ITAL BERTICES	Client:	LMJ Enter	orises		Project Number:	0019	-03-02
D	ate Start/Fin	ish:	11/20/2019		Drilling Me		Direct Push		Unified Soil Class		
	Logged By	<i>ı</i> :	B. Dixon		Auger ID/0	DD:	NA	SOILS	GP POORLY-GRADED GRA GM SILTY GRAVEL		
	Checked B	y:	M. Leone		Borehole I	D/OD:	2"	ESIVE	GC CLAYEY GRAVEL SW WELL-GRADED SAND,	FINE TO COARS	E SAND
	Contractor	r:	ESN Northwe	st	Sampler:		5' MacroCore	NON-COHESIVE	SP POORLY-GRADED SAM		
	Operator:	:	Don		Hammer V	Vt./Fall:	NA	ĨŎŊ	SC CLAYEY SAND		
В	oring Locat	ion:	See Figure	3	Ground El	evation:	~167' bgs	SOILS	UL CLAY OL ORGANIC SILT, ORGA	NIC CLAY	
	Coordinate	s:	NA		Water Dep	th:	~5' bgs	IVE SO	MH SILT OF HIGH PLASTIC	CITY, ELASTIC SI	
	Weather:		Sunny		Boring De	pth:	8' bgs	COHESIVE	OH ORGANIC CLAY, ORGA		
Depth (ft bgs)	Sample Number	Time	PID Reading	Remarks			Soil and Rock Desc	ription		Unified Classification	Well Construction Detail
1							2-3" Asphalt				
2	B2-2	10:30	0.4	No HC Odor	Brow	vn, fine to me	dium grained silty SANE	D with grave	el, loose. (FILL)	SW	
3					Dark bro	wn, fine to m	edium grained silty SAN (FILL)	D, possible	burnt wood debris.	SW	
4						Bro	wn, fine grained sandy S	SILT, dense		ML	
5											
6	B2-6	10:35	0.0	No HC Odor	Bro	wn, medium	grained, poorly graded S	SAND with	race silt, wet.	SP	
7											
8							Boring terminated at 8	8' bgs.			
9 10					-						
10					-						
12											
13					1						
14											
15											
16											
17											
18					_						
19					_						
20											
<u>Notes</u>	<u>:</u>										

					Project:	Nissan of	Kirkland	D	oring ID.	D	3
		X		<b>KON</b> ENTAL SERVICES	Location:	11932 124 Kirkland, V	Ith Avenue NE VA		oring ID:		
			ENVIRONM	ENTAL SERVICES	Client:	LMJ Enter	prises		Project Number:	0019-	03-02
D	ate Start/Fin	ish:	11/20/2019		Drilling Me		Direct Push		Unified Soil Class		
	Logged By	/:	B. Dixon		Auger ID/0	DD:	NA	SOILS	GP POORLY-GRADED GR/ GM SILTY GRAVEL		
	Checked B	y:	M. Leone		Borehole I	ID/OD:	2"	NON-COHESIVE	GU CLAYEY GRAVEL SW WELL-GRADED SAND,	FINE TO COARS	E SAND
	Contractor	r:	ESN Northwe	est	Sampler:		5' MacroCore	N-COT	SP POORLY-GRADED SAN SM SILTY SAND	۱D	
	Operator:		Don		Hammer V	Vt./Fall:	NA	Q	CLAYEY SAND		
В	oring Locat	ion:	See Figure	3	Ground El	evation:	~167' bgs	SOILS	CL CLAY OL ORGANIC SILT, ORGAN		
	Coordinate	s:	NA		Water Dep	oth:	~5.5' bgs	COHESIVE	MH SILT OF HIGH PLASTIC CH CLAY OF HIGH PLASTIC OH ORGANIC CLAY ORGA	CITY, FAT CLAY	T
	Weather:		Sunny		Boring De	pth:	10' bgs	сон	ORGANIC CLAY, ORGA PT PEAT	ANIC SILI	
Depth (ft bgs)	Sample Number	Time	PID Reading	Remarks			Soil and Rock Descr	ription		Unified Classification	Well Construction Detail
1							2-3" Asphalt				
0					Gra	y, fine to me	dium grained silty SAND	with grave	, loose. (FILL)	SW	
2		40.50			-						
3	B3-3	10:50	0.0	No HC Odor							
4						Light	brown, fine grained sandy	y SILT, der	ise.	ML	
5											
6	B3-6	11:00	0.0	No HC Odor	Bro	wn, medium	grained, poorly graded S	AND with t	race silt, wet.	SP	
7	B3-W	10:10	NA	No HC Sheen or Odor							
8											
9					_						
10											
11					_						
12					_						
13					-						
14											
15					-						
16					-						
17					-						
18					-						
19											
20 Notes	:										
	-										

					Project:	Nissan of	Kirkland	D	oring ID:	D	4
		M		<b>ION</b>	Location:	11932 124 Kirkland, V	Ith Avenue NE VA		oring ID:	_	_
			ENVIRONM	ENTAL SERVICES	Client:	LMJ Enter	prises	_	Project Number:	0019	03-02
D	ate Start/Fir	nish:	11/20/2019		Drilling Me		Direct Push		Unified Soil Class		
	Logged By	y:	B. Dixon		Auger ID/0	DD:	NA	SOILS	GP POORLY-GRADED GRA GM SILTY GRAVEL		
	Checked B	y:	M. Leone		Borehole I	ID/OD:	2"	NON-COHESIVE SOILS	GC CLAYEY GRAVEL SW WELL-GRADED SAND,	FINE TO COARS	E SAND
	Contracto	r:	ESN Northwe	est	Sampler:		5' MacroCore	±00+	SP POORLY-GRADED SAN		
	Operator	:	Don		Hammer V	Vt./Fall:	NA	Q	SU CLAYEY SAND		
E	Boring Locat	ion:	See Figure	3	Ground El	evation:	~167' bgs	SOILS	CL CLAY OL ORGANIC SILT, ORGA	NIC CLAY	
	Coordinate	es:	NA		Water Dep	oth:	NA	SIVES	MH SILT OF HIGH PLASTIC	CITY, FAT CLAY	T
	Weather:		Sunny		Boring De	pth:	8' bgs	COHESIVE	ORGANIC CLAY, ORGA	ANIC SILT	
Depth (ft bgs)	Sample Number	Time	PID Reading	Remarks			Soil and Rock Desc	ription		Unified Classification	Well Construction Detail
1							2-3" Asphalt				
0					Gray/B	rown, fine to	medium grained silty SA	ND with gr	avel, loose. (FILL)	SW	
2	D. C	44.05			-						
3	B4-3	11:25	1.8	HC Odor							
4					_	Light	brown, fine grained sand	y SILT, der	ise.	ML	
5											
6					Brow	vn, medium g	grained, poorly graded SA	AND with tr	ace silt, moist.	SP	
7	B4-7	11:35	0.0	No HC Odor							
8											
9					_		Boring terminated at 8	3' bgs.			
10					_						
11					_						
12					-						
13					-						
14					-						
15 16					1						
10					1						
18											
19											
20											
Notes	:										

					Project:	Nissan of	Kirkland	D	oring ID:	D	5	
		K			Location:	11932 124 Kirkland, V	th Avenue NE VA		oring ID:		85	
			ENVIRONM	ENTAL SERVICES	Client:	LMJ Enter	prises	_	Project Number:	0019·	-03-02	
D	ate Start/Fir	nish:	11/20/2019		Drilling Me		Direct Push		Unified Soil Class			
	Logged By	y:	B. Dixon		Auger ID/0	DD:	NA	SOILS	GP POORLY-GRADED GR/ GM SILTY GRAVEL			
	Checked B	sy:	M. Leone		Borehole I	ID/OD:	2"	NON-COHESIVE SOILS	GC CLAYEY GRAVEL SW WELL-GRADED SAND,	FINE TO COARS	E SAND	
	Contracto	r:	ESN Northwe	est	Sampler:		5' MacroCore	HOO+	SP POORLY-GRADED SAN			
	Operator	:	Don		Hammer V	Vt./Fall:	NA	ŌŊ	SC CLAYEY SAND			
E	Boring Locat	tion:	See Figure	3	Ground El	evation:	~167' bgs	SOILS	CL CLAY OL ORGANIC SILT, ORGAN	NIC CLAY		
	Coordinate	es:	NA		Water Dep	oth:	NA	SIVE SC	MH SILT OF HIGH PLASTIC	CITY, ELASTIC SI		
	Weather:	:	Sunny		Boring De	pth:	8' bgs	COHESIVE	ORGANIC CLAY, ORGA PT PEAT			
Depth (ft bgs)	Sample Number	Time	PID Reading	Remarks			Soil and Rock Desc	ription		Unified Classification	Well Construction Detail	
1							2-3" Asphalt					
2					Brow	vn, fine to me	edium grained silty SAND	D with grave	el, loose. (FILL)	SW		
2					_							
3	B5-3	11:45	1.0	HC Odor								
4					_	Light	brown, fine grained sand	ly SILT, der	ise.	ML		
5												
6					Light bi	rown, mediur	m grained, poorly graded	I SAND with	n trace silt, moist.	SP		
7	B5-7	11:55	0.0	No HC Odor								
8												
9					_		Boring terminated at 8	8' bgs.				
10					_							
11					_							
12					-							
13					-							
14					-							
15 16					1							
10					1							
18												
19												
20												
Notes	<u>.</u>											



Job Number:	Date:	Logged by:	Plate:
JN 22175-1	February 2020	EAZ	3













Depth/ Well	Moisture/ Blows /	BORIN		AI-B8		
0 2.5 5 7.5 Sample Design Design 0 0 0 0 0 0 0 0 0 0 0 0 0	Moisture/ Blows / Foot		Brown/ faint ammo I no no no o odors or discolor rminated at 10 f	grey silty sand, gravels, opina/organic odor, PID=2 Darker brown silt, dry odors or discolorations Brown sand, dry, odors or discolorations Brown sand, moist, or discolorations, PID=2 ompact brown silts, dry, ations, PID=2.2-3 ppm (h reet below grade on	.3 ppm 2 ppm osing calibration) February 13, 20	020.
E	ASSOCIA 1380 - 112th Av	<b>IMENTAL</b> <b>TES, INC.</b> Venue N.E., Ste. 300 ashington 98004		<b>Boring:</b> Nissan (Former 1932 - 124th Ave Kirkland, Wa Date: February 2020	Vehicle Park nue Northeas	



Job Number:Date:Logged by:JN 22175-2February 2020EAZ

3

			RING	EA	I-B10		
0 Depth/ Well Sample Desig	Moisture/ n Water Table	Blows / Foot USCS	DESCRIPTIO	N			
2.5 —	Dry	ML			Brown silt, dry,		
	Moist	oL			ick silt, wood debris, mo lors or discolorations	ist	
<b>5 1 1 1 1 1 1</b>		ML			Light brown silt		
<b>1 1 1 2</b> <b>1 1 1 1 1</b> temporary screen 6' to 10'	Moist	SM			band transition to sands, or discolorations, PID=0		
■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■	Moist	SP		no odo	Brown sand, wet, rs or discolorations, PID	=0	
=			Boring term	inated at 10 fe	eet below grade on	March 17, 2020	
12.5— — — — 15 —							
- - 17.5 -							
						i	
τ <u>ε</u> Γ.							
	ASSO 1380 - 11	ONMEN CIATES, I 2th Avenue N.E., ue, Washington	NC. Ste. 300		Boring: E Nissan (Former 1932 - 124th Ave Kirkland, Wa	Vehicle Parki nue Northeas	
	<b>4</b> ** •	ç		ob Number:	<i>Date:</i> February 2020	Logged by:	Plate

				BO	RINC	G EA	I-B11		
Depth/ Sample	Well Design	Moisture/ Water Table	Blows / Foot	USCS	DESCRIPTI	ON			
2.5		Dry Moist		ML	D	arker brown silt, o orgar	Brown silt, dry organic/plant debris, grav nic odor, PID=0 ppm	els, moist	
7.5 — – – – –	temporary screen 6' to 10'	Dry		SP		Е	Brown sand, dry, or discolorations, PID=0 Brown/grey sand, wet, rs or discolorations, PID=		
					Boring term		eet below grade on I		
20-	E			MEN TES, I		Kirkland	Boring: E Nissan (Former )		
	i.	1380 -	112th Av	enue N.E.	Ste. 300 98004		1932 - 124th Aver Kirkland, Wa	nue Northeast	
Martin-	121 z *					JN 22175-2	February 2020	EAZ	5

	BORIN	G EA	I-B12		
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	ML SP/ GP ML SP SP SP SP Boring ter	Thin band or orga no odors H no odo	Brown silt, dry, organic odor f grey gravels and sands, nic odor, PID=0 ppm brown silt Brown sand, dry, or discolorations, PID=0 Brown/grey sand, wet, or discolorations, PID=0 Brown/grey sand, wet, or discolorations, PID=0	ppm =0	
ASSOCIA 1380 - 112th Av	<b>IMENTAL</b> <b>TES, INC.</b> Venue N.E., Ste. 300 ashington 98004		<b>Boring: E</b> Nissan (Former 1932 - 124th Ave Kirkland, Wa Date:	Vehicle Parki nue Northeast	
		Job Number: JN 22175-2	<i>Date:</i> February 2020	Logged by: EAZ	Plate:





Kirkland Nissan (Former Vehicle Parking Area) 11932 - 124th Avenue Northeast Kirkland, Washington

Bellevue, Washington 98004		An Kianu, wa	ishington		
	Job Number: JN 22175-2	Date: February 2020	Logged by: EAZ	Plate: 8	
	and the point of the community of the second second			이 가는 것 않는 것 같은 것 같	11 - 14

1380 - 112th Avenue N.E., Ste. 300

Donth/				BO	RING	EA	I-B15		
Depth/ Sample	Well Design	Moisture/ Water Table	Blows / Foot	USCS	DESCRIPTIO	Ν			
2.5		Dry		GM		Brow: no odors or	n silt and gravels, dry, discolorations, PID=0 pj	pm	
5	temporary screen from 6' to 10'	Dry		SP SP		no odors (	brown sand Brown sand, dry, or discolorations, PID=0	ppm	÷
- - 10-⊡-	temporary	\		SP			rown/grey sand, wet, rs or discolorations, PID	=0	0
2.5  -  -  -  -  -  -  -  15 -									
- - - - - - 20 -									
=									
	E	ASS 1380 -	OCIA' 112th Av	MEN TES, I enue N.E., Ishington	Ste. 300		<b>Boring: E</b> Nissan (Former 1932 - 124th Aver Kirkland, Wa	Vehicle Parki nue Northeast	



### **Appendix D: Terrestrial Ecological Evaluation**



# **Voluntary Cleanup Program**

### Washington State Department of Ecology Toxics Cleanup Program

### TERRESTRIAL ECOLOGICAL EVALUATION FORM

Under the Model Toxics Control Act (MTCA), a terrestrial ecological evaluation is necessary if hazardous substances are released into the soils at a Site. In the event of such a release, you must take one of the following three actions as part of your investigation and cleanup of the Site:

- 1. Document an exclusion from further evaluation using the criteria in WAC 173-340-7491.
- 2. Conduct a simplified evaluation as set forth in WAC 173-340-7492.
- 3. Conduct a site-specific evaluation as set forth in WAC 173-340-7493.

When requesting a written opinion under the Voluntary Cleanup Program (VCP), you must complete this form and submit it to the Department of Ecology (Ecology). The form documents the type and results of your evaluation.

## Completion of this form is not sufficient to document your evaluation. You still need to document your analysis and the basis for your conclusion in your cleanup plan or report.

If you have questions about how to conduct a terrestrial ecological evaluation, please contact the Ecology site manager assigned to your Site. For additional guidance, please refer to <a href="https://ecology.wa.gov/Regulations-Permits/Guidance-technical-assistance/Terrestrial-ecological-evaluation">https://ecology.wa.gov/Regulations-Permits/Guidance-technical-assistance/Terrestrial-ecological-evaluation</a>.

#### Step 1: IDENTIFY HAZARDOUS WASTE SITE

Please identify below the hazardous waste site for which you are documenting an evaluation.

Facility/Site Name: Nissan of Kirkland

Facility/Site Address: 11932 124th Avenue NE

Facility/Site No: NA

VCP Project No.: NA

Title: President

#### Step 2: IDENTIFY EVALUATOR

Please identify below the person who conducted the evaluation and their contact information.

Organization: Dixon Environmental Services

Mailing address: 4010 N 7th Street

5								
City:	Tacoma			State: WA		Zip code:	98406	
Phone:	253-380-4303	Fax:		E-mail:	Bria	an@DixonE	S.com	

St	Step 3: DOCUMENT EVALUATION TYPE AND RESULTS							
A. Exclusion from further evaluation.								
1.	1. Does the Site qualify for an exclusion from further evaluation?							
	X	Yes If you answered " <b>YES,</b> " then answer <b>Question 2</b> .						
	Ur	] No or If you answered " <b>NO" or</b> " <b>UNKNOWN,"</b> then skip to <b>Step 3B</b> of this form.						
2.	2. What is the basis for the exclusion? Check all that apply. Then skip to Step 4 of this form.							
	Point of	Compliance: WAC 173-340-7491(1)(a)						
		All soil contamination is, or will be,* at least 15 feet below the surface.						
		All soil contamination is, or will be,* at least 6 feet below the surface (or alternative depth if approved by Ecology), and institutional controls are used to manage remaining contamination.						
	Barriers	to Exposure: WAC 173-340-7491(1)(b)						
		All contaminated soil, is or will be,* covered by physical barriers (such as buildings or paved roads) that prevent exposure to plants and wildlife, and institutional controls are used to manage remaining contamination.						
	Undeve	loped Land: WAC 173-340-7491(1)(c)						
		There is less than 0.25 acres of contiguous <sup>#</sup> undeveloped <sup>±</sup> land on or within 500 feet of any area of the Site and any of the following chemicals is present: chlorinated dioxins or furans, PCB mixtures, DDT, DDE, DDD, aldrin, chlordane, dieldrin, endosulfan, endrin, heptachlor, heptachlor epoxide, benzene hexachloride, toxaphene, hexachlorobenzene, pentachlorophenol, or pentachlorobenzene.						
	X	For sites not containing any of the chemicals mentioned above, there is less than 1.5 acres of contiguous <sup>#</sup> undeveloped <sup>±</sup> land on or within 500 feet of any area of the Site.						
	Background Concentrations: WAC 173-340-7491(1)(d)							
		Concentrations of hazardous substances in soil do not exceed natural background levels as described in WAC 173-340-200 and 173-340-709.						
ac ± ' pre # '	<ul> <li>* An exclusion based on future land use must have a completion date for future development that is acceptable to Ecology.</li> <li>* "Undeveloped land" is land that is not covered by building, roads, paved areas, or other barriers that would prevent wildlife from feeding on plants, earthworms, insects, or other food in or on the soil.</li> <li>* "Contiguous" undeveloped land is an area of undeveloped land that is not divided into smaller areas of highways, extensive paving, or similar structures that are likely to reduce the potential use of the overall area by wildlife.</li> </ul>							

B.	Simplified evaluation.						
1.	1. Does the Site qualify for a simplified evaluation?						
	□ Y	es If you answered "YES," then answer Question 2 below.					
	🗌 N Unkn	lo or If you answered " <b>NO</b> " or " <b>UNKNOWN,</b> " then skip to <b>Step 3C</b> of this form. own					
2.	2. Did you conduct a simplified evaluation?						
	□ Y	es If you answered "YES," then answer Question 3 below.					
	🗌 N	lo If you answered " <b>NO,</b> " then skip to <b>Step 3C</b> of this form.					
3.	Was furthe	er evaluation necessary?					
	□ Y	es If you answered "YES," then answer Question 4 below.					
	🗌 N	lo If you answered " <b>NO,</b> " then answer <b>Question 5</b> below.					
4.	lf further e	valuation was necessary, what did you do?					
		Used the concentrations listed in Table 749-2 as cleanup levels. If so, then skip to <b>Step 4</b> of this form.					
		Conducted a site-specific evaluation. If so, then skip to Step 3C of this form.					
5.	If no furthe to Step 4 o	er evaluation was necessary, what was the reason? Check all that apply. Then skip f this form.					
	Exposure A	Analysis: WAC 173-340-7492(2)(a)					
		Area of soil contamination at the Site is not more than 350 square feet.					
		Current or planned land use makes wildlife exposure unlikely. Used Table 749-1.					
	Pathway A	nalysis: WAC 173-340-7492(2)(b)					
		No potential exposure pathways from soil contamination to ecological receptors.					
	Contaminant Analysis: WAC 173-340-7492(2)(c)						
		No contaminant listed in Table 749-2 is, or will be, present in the upper 15 feet at concentrations that exceed the values listed in Table 749-2.					
		No contaminant listed in Table 749-2 is, or will be, present in the upper 6 feet (or alternative depth if approved by Ecology) at concentrations that exceed the values listed in Table 749-2, and institutional controls are used to manage remaining contamination.					
		No contaminant listed in Table 749-2 is, or will be, present in the upper 15 feet at concentrations likely to be toxic or have the potential to bioaccumulate as determined using Ecology-approved bioassays.					
		No contaminant listed in Table 749-2 is, or will be, present in the upper 6 feet (or alternative depth if approved by Ecology) at concentrations likely to be toxic or have the potential to bioaccumulate as determined using Ecology-approved bioassays, and institutional controls are used to manage remaining contamination.					

C.	<b>C. Site-specific evaluation.</b> A site-specific evaluation process consists of two parts: (1) formulating the problem, and (2) selecting the methods for addressing the identified problem. Both steps require consultation with and approval by Ecology. See WAC 173-340-7493(1)(c).						
1.	<b>1. Was there a problem?</b> See WAC 173-340-7493(2).						
	Yes If you answered "YES," then answer Question 2 below.						
	□ N	If you answered " <b>NO</b> ," then identify the reason here and then skip to <b>Question 5</b> below:					
		No issues were identified during the problem formulation step.					
		While issues were identified, those issues were addressed by the cleanup actions for protecting human health.					
2.	2. What did you do to resolve the problem? See WAC 173-340-7493(3).						
		Used the concentrations listed in Table 749-3 as cleanup levels. If so, then skip to <b>Question 5</b> below.					
		Used one or more of the methods listed in WAC 173-340-7493(3) to evaluate and address the identified problem. <i>If so, then answer <b>Questions 3 and 4</b> below.</i>					
3.	<b>3. If you conducted further site-specific evaluations, what methods did you use?</b> <i>Check all that apply. See</i> WAC 173-340-7493(3).						
		Literature surveys.					
		Soil bioassays.					
		Wildlife exposure model.					
		Biomarkers.					
		Site-specific field studies.					
		Weight of evidence.					
		Other methods approved by Ecology. If so, please specify:					
4.	4. What was the result of those evaluations?						
		Confirmed there was no problem.					
		Confirmed there was a problem and established site-specific cleanup levels.					
5.	5. Have you already obtained Ecology's approval of both your problem formulation and problem resolution steps?						
	□ Y	es If so, please identify the Ecology staff who approved those steps:					
	□ No						
-							

#### Step 4: SUBMITTAL

Please mail your completed form to the Ecology site manager assigned to your Site. If a site manager has not yet been assigned, please mail your completed form to the Ecology regional office for the County in which your Site is located.



If you need this publication in an alternate format, please call the Toxics Cleanup Program at 360-407-7170. People with hearing loss can call 711 for Washington Relay Service. People with a speech disability can call 877-833-6341.