



Former Bentley Trust Property

Soil Management Plan

Prepared by:

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Former Bentley Trust Property

Soil Management Plan

This document has been prepared by SLR International Corporation (SLR). The material and data in this report were prepared under the supervision and direction of the individuals below.

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Acronyms and Abbreviations

°C	degrees Celsius
°F	degrees Fahrenheit
AAC	Alaska Administrative Code
ADEC	Alaska Department of Environmental Conservation
COC	contaminants of concern
CVOC	chlorinated volatile organic compounds
eV	electron volt
mg/kg	milligrams per kilogram
PCE	Tetrachloroethylene
PID	photoionization detector
ROD	Record of Decision
Site	Tract A-1 of the former Tax Lot 201 and Bentley Trust Property in Fairbanks, Alaska
SLR	SLR International Corporation
SMP	Soil Management plan
TCE	trichloroethene
TVOC	total volatile organic carbon
USEPA	United States Environmental Protection Agency
VOC	volatile organic compounds



1.0 Introduction

SLR International Corporation (SLR) prepared this Soil Management Plan (SMP) to account for the potential presence of chlorinated volatile organic compounds (CVOCs) in soils within Tract A-1 of the former Tax Lot 201 and Bentley Trust Property in Fairbanks, Alaska (Site; Figure 1). The tract is classified by Fairbanks North Star Borough as Vacant Land and zoned as General Use (GU-1). This SMP is intended to comply with applicable regulations regarding the handling of CVOc-impacted soil and applies to activities occurring within the Site that involves the excavation and removal of soil. Once approved, the SMP will remain in place until or unless cleanup levels change or new information is identified that alters understanding of the site.

1.1 Site Background

Site characterization activities, including assessment and monitoring, have been conducted at the former Bentley Trust Property since the 1990s. Remedial actions have been performed, including soil vapor extraction, groundwater air sparging, and monitored natural attenuation. A Human Health and Screening Ecological Risk Assessment (Risk Assessment) was completed in 2006 (SLR, 2006) and updated in 2014 (SLR, 2015). The risk assessments evaluated the following contaminants of concern (COC) in soil with concentrations reported above applicable Alaska Department of Environmental Conservation (ADEC) cleanup levels:

- Methylene chloride;
- Tetrachloroethene (PCE); and,
- Trichloroethene (TCE).

Soil samples were collected within the Site in multiple events through the years. Most recently in 2023, additional samples were collected within Tract A-1 to support soil management planning. The lateral and vertical distribution of historically reported TCE concentrations are shown in Figure 1. The source area is outside of Tract A-1 to the east, primarily within Lot 17B. The concentrations within the source area are prior to remediation by air sparging and soil vapor extraction from 2003 to 2005. No other “hot spots” or soil source areas are known on the Site. Soil TCE concentrations are much lower outside the source area and appear to result from vapor partitioning from underlying impacted groundwater to overlying soil moisture rather than additional historical spills.

Analysis of historical sample results indicate the following:

- Code-compliant heating, ventilating, and air conditioning (HVAC) systems, along with 6-mil polyethylene liners installed beneath building foundations, were sufficient to control indoor air TCE potentially introduced via vapor intrusion.
- The concentrations within Tract A-1 are more than an order of magnitude lower than the Method 2 Human Health Cleanup Level of 4.9 milligram per kilogram (mg/kg).

Following the ADEC approval of the Risk Assessment, a Record of Decision (ROD) for the Site was issued (ADEC, 2007). The ROD prohibits offsite transport of contaminated soil unless approved by ADEC. No other soil management controls were specified. For future management, excess soil generated below soil management zone depths (Section 3.1) that cannot be reused in place will be segregated, screened, and sampled in accordance with Title 18 Alaska Administrative Code Chapter 75 (18 AAC 75), *Oil and Other Substances Pollution Control* (ADEC, 2023), and *ADEC Field Sampling Guidance* (ADEC, 2024).



1.2 Objectives

The objective of this SMP is to provide instructions for properly assessing and managing potentially CVOC-impacted soil generated during construction and/or development activities within the Site.

If a project involves excavating more than 10 cubic yards of soil within Tract A-1, the project will notify ADEC of its intent to implement this SMP.

This SMP details how potentially contaminated soils will be identified during development activities. Development activities that do not include soil excavation (e.g., deep dynamic compaction) are not subject to the soil management requirements detailed in this SMP.

Development on the Site that involves excavating soil will follow the processes below:

- Soil segregation (Section 3.1),
- Soil characterization (Section 3.2),
- Soil sampling and analysis for waste characterization (Section 3.3),
- Field documentation (Section 3.4), and
- Disposal procedures (Section 3.5).



2.0 Regulatory Criteria

The Site ROD (ADEC, 2007) established that the published ADEC Cleanup Levels under 18 AAC 75.341 Table B1 for the under 40-inch zone apply to the Site. The ROD recognized that the maximum concentrations remaining would not pose an unacceptable health risk and that active cleanup is not necessary unless these concentrations are exceeded. The maximum COC concentrations measured for the overall site including the source area located west of Tract A-1 prior to remediation are listed below. Only TCE was detected within Tract A-1.

- Methylene chloride – 0.99 mg/kg,
- PCE – 0.315 mg/kg, and
- TCE – 5.79 mg/kg.

The maximum concentrations for Human Health per 18 AAC 75.341 Table B1 for the overall site COCs are as follows:

- Methylene chloride – 460 milligram per kilogram (mg/kg),
- PCE – 95 mg/kg, and
- TCE – 4.9 mg/kg.

While maximum concentrations documented onsite and the levels for Human Health do not pose an unacceptable risk, determination for excess soil reuse will be made using the 18 AAC 75.341 Table B1 criterion protective of migration to groundwater for the COCs as listed below:

- Methylene chloride – 0.33 mg/kg,
- PCE – 0.19 mg/kg, and
- TCE – 0.011 mg/kg.



3.0 Soil Management

Anticipated field activities under this SMP include soil segregation, measuring total volatile organic compounds (TVOCs) using a photoionization detector (PID), soil sampling, and management of the excavated soil at Site work areas. Soil screening and/or soil sampling will be conducted by a Qualified Environmental Professional or Qualified Sampler as defined by 18 AAC 75.333.

3.1 Soil Segregation

Three soil management zones are established based on soil samples collected in 2023 and prior. The zones are shown within Figure 2. Excavated soil will be handled onsite within the boundaries of the lot/tract where the work is occurring. Soil will be reused within the zone it is generated unless otherwise approved by ADEC. Soil screening during excavation will not be required due to the creation of specific soil zones. Soil segregation and reuse methods are summarized as follows:

	Figure 2 Color Designation	Soil Management Depth	Reuse Rules
Zone 1	red	0 feet	Within Zone 1, all soils must be returned to the approximate location and depth from which it was excavated or handled as excess soils.
Zone 2	yellow	3 feet	Within Zone 2, soils from 0-3 feet can be reused anywhere within the tract boundaries. Soils below 3 feet must be returned to the approximate location and depth from which it was excavated or handled as excess soils.
Zone 3	green	5 feet	Within Zone 3, soils from 0-5 feet can be reused anywhere within the tract boundaries. Soils below 5 feet must be returned to the approximate location and depth from which it was excavated or handled as excess soils.

Note: The three zones described above will be identified on site with survey monuments marking zone corners once the plan is approved. Survey data for the soil management zones is provided in Appendix A.

Excess Soil Stockpiling – Soil excavated from greater than zone depth limits that cannot be returned to the excavation will be treated as excess and stockpiled and sampled.

Stockpile specifications will follow 18 AAC 75.370 for short-term (less 180 days) and long-term storage (180 days to 2 years). Liners are not required for short-term stockpiles within Zone 1.

Excess Soil Disposal – Excess soil that exceeds cleanup levels will be evaluated for reuse or offsite disposal on a case-by-case basis. Refer to Section 3.2 for soil characterization procedures. ADEC must approve the option chosen.

Other soil management activities may include the following:

Utility or Right-of-way Excavation – Soil removed for utilities or right of ways can be returned the depth and location from which it was excavated (ADEC, 2018).

New Fill Material – Clean fill that may be brought into the Site to raise the ground surface for construction will add depth to the existing soil zones.



3.2 Excess Soil Characterization

Characterization samples from potentially contaminated excess stockpiled soils will be collected in accordance with ADEC *Field Sampling Guidance* (ADEC, 2024), Table 2A, as shown below. Table 2A is for petroleum contamination but also provides an applicable screening and sampling frequency for this Site.

Table 2A. Excavated Soil Sample Collection Guide¹

By Volume (cubic yards)	Number of Screening Samples	Associated Number of Laboratory Samples
0-10	5	1
11-50	5	2
51-100	1 per 10 cy	3
More than 100	1 per 10 cy, or as the CSP determines necessary	3, plus 1 per each additional 200 cubic yards, or portion thereof, or as the CSP determines necessary
¹ The Table is appropriate for characterizing the levels of petroleum contamination in soil prior to requesting approval for transport to a treatment or disposal facility, as required by 18 AAC 75.325(i). Consult with CSP for determining the appropriate numbers of field screening and laboratory soil samples for characterizing maximum petroleum concentrations in soil for on-site treatment.		

3.2.1 Excess Soil Screening

Stockpiled samples will be screened for CVOCs using a PID to read TVOCs. PID measurements will be collected within the stockpile at a frequency consistent with Table 2A from the ADEC *Field Sampling Guidance*. Samples with highest heated headspace screening readings will be submitted for laboratory analyses.

Soil with comparatively high screening results may be segregated and managed separately if practicable. In this manner, all soils will not be affected by one exceedance.

Headspace screening of the soil will be performed consistent with ADEC *Field Sampling Guidance* (ADEC, 2024, pages 13 and 14 of Section 5.2.1.1) as follows:

- The PID instrument will be equipped with a 10.6-eV lamp for screening of TCE.
- Calibrate PID according to the manufacturer's specifications and requirements.
- Fill a clean re-sealable polyethylene bag partially filled (approximately 250 milliliters: one-third to one-half full) with freshly uncovered soil and seal quickly.
- Allow headspace vapors to develop for at least 10 minutes and no longer than one hour in a warm environment, at least 40 degrees Fahrenheit (°F).
- Shake or agitate containers for 15 seconds at the beginning and end of the headspace development period to assist volatilization. Temperatures of the headspace must be warmed to at least 40 degrees Fahrenheit (approximately 4.5 degrees Celsius [°C]).
- After headspace development, insert the PID sampling probe into the bag about one-half the headspace depth.
- Record the highest reading for each screening sample on a PID log form or project field notebook.



- Do not reuse soil from headspace sample for laboratory analysis (i.e., collect fresh sample material).

Disposable nitrile gloves will be replaced before examining each screening sample. Appropriate information for each sample will be recorded in a field logbook in accordance with Section 3.4.

Field instruments will be calibrated according to manufacturer specifications prior to use and periodically during sampling if instrument drift is suspected. At a minimum, field instruments will be calibrated daily during the sampling event, with calibrations recorded in a calibration log or project notebook in accordance with Section 3.4.

3.3 Soil Sampling and Analysis for Waste Characterization

The number of samples collected for analysis will be based on the stockpile volume as indicated in Table 2A from the ADEC *Field Sampling Guidance*. Samples will be analyzed for volatile organic compounds (VOCs) discussed in Section 3.3.2.

Before sampling, samplers will don new clean nitrile gloves to collect each sample and/or handle sampling equipment.

Analytical samples will be collected from freshly exposed soil using a new disposable scoop. Samples will be collected as soon as possible after exposure to avoid the loss of VOCs. The volume of sample required will be determined based on the desired analysis and laboratory sampling instructions. Samples will be placed directly into clean laboratory-provided sample containers. If required, laboratory-provided preservative will be added to the sample immediately upon collection.

Samples requiring methanol preservation will be collected consistent with the ADEC *Field Sampling Guidance* (ADEC, 2024). Total submergence of the soil sample in methanol will be confirmed before the sample lid is applied.

Each sample will be given a unique identifier indicating the property name or lot number (e.g., LOT1), the matrix (e.g., SS for stockpile soil), and a number indicating the sampling sequence (e.g., 01 would indicate the first sample collected). For example, sample LOT1-SS-01 would indicate that this was the first soil sample collected from a soil stockpile located on Lot 1.

A sample label will be affixed to each sample container. The sample label will include the sample name (i.e., identifier), date and time of sample collection, sampler name, and the desired analysis.

3.3.1 Sample Handling and Field Quality Control

Filled sample containers will be placed in an iced cooler as soon as possible after collection to ensure sample temperatures are maintained at approximately 4 °C throughout transport to the laboratory. A temperature blank will be placed inside the cooler to ensure samples arrive at the laboratory within the required temperature range of 4 plus or minus 2°C. Samples will be delivered to the laboratory within specified hold times for each analysis.

Samples containers will be labeled immediately following collection and chain of custody documentation will be completed for each sample and associated trip blank(s) before transferring the samples to the laboratory. The chain of custody form will be sealed in the sample cooler during transport to the laboratory. Each cooler will be sealed with a signed custody seal for shipment.



One duplicate sample will be collected for every ten primary samples, with a minimum of one duplicate in total. A laboratory trip blank will accompany all sample containers. The trip blank will not be opened during the sampling event and will be analyzed for VOCs.

3.3.2 Analytical Procedures

Soil samples will be submitted to an ADEC-qualified laboratory and analyzed for the following:

- VOCs by United States Environmental Protection Agency (USEPA) Method 8260D, and
- Analytical parameters required for profiling by receiving facility if offsite disposal is required.

3.4 Field Documentation

A field logbook will be maintained on a daily basis to document field activities, including the collection of all samples. The field logbook will be bound, with consecutively numbered pages, and field notes will be entered in indelible ink. If any changes are made to the field record, the original notation will be crossed out with a single line and initialed and dated by the person making the correction. At a minimum, the field logbook will contain the following information:

- Date and time that work commenced;
- Name and location of Site;
- Dates and times of screening sample collection or event;
- Name(s) of contractor field personnel;
- Field observations such as weather conditions or issues that may affect sample results;
- PID calibration records;
- Identification number, location, and PID values for screening samples collected; and
- Identification and location of analytical samples collected.

3.5 Soil Disposal Procedure

A Contaminated Media Transport and Treatment or Disposal Approval Form (Appendix B) will be submitted to the ADEC Contaminated Sites Project Manager prior to moving soil offsite. In addition, remediation facility waste profiling documentation will be submitted for approval. Upon receipt of approval from ADEC and the receiving facility, contaminated soil will be transferred by truck for treatment and disposal.

Alyeska Pipeline Service Company will dispose of excess soil that exceeds TCE cleanup level if consulted prior to construction activities and soil volume is minimized per Section 3.1 methodology.



4.0 Reporting

Pre-work notification to ADEC is required if a project involves excavating more than 10 cubic yards of soil within Tract A-1. Post-work reporting to ADEC is required as follows:

Zone 1: No notification or reporting to ADEC is required if soils are returned to the approximate depth and location from which it was excavated. Brief report required for all excess soil generation.

Zone 2: No notification or reporting to ADEC is required for use of soils between 0-3 feet or soil that is returned to the approximate location and depth from which it was excavated. Brief report required for all excess soil generation.

Zone 3: No notification or reporting to ADEC is required for use of soils between 0-5 feet or soil that is returned to the approximate location and depth from which it was excavated. Brief report required for all excess soil generation.

A brief report for excess soil management activities will summarize field activities, analytical results, and reuse or disposal information. Excess soils with analytical results above cleanup levels approved by ADEC for reuse on site require collection of spatial coordinates of reuse location and soil volume documented in reporting.



5.0 References

- Alaska Department of Environmental Conservation (ADEC). 2024. Field Sampling Guidance. August.
- . Oil and Other Hazardous Substances Pollution Control, As Amended through October 18, 2023.
- . 2019. Minimum Quality Assurance Requirements for Sample Handling, Reports, and Laboratory Data. October.
- . 2018. Managing Petroleum-Contaminated Soil, Water, or Free Product during Public Utility and Right-of-Way Construction and Maintenance Projects. Technical Memorandum. September.
- . 2007. Record of Decision for Portions of Bentley Trust North and Bentley Brothers Subdivision, Fairbanks Alaska. January.
- SLR International Corporation (SLR). 2015. 2014 Groundwater Monitoring Report, Appendix E, Former Bentley Trust Property, Fairbanks, Alaska. April.
- . 2006. Method 4 Human Health and Screening Ecological Risk Assessment, Portion of Tax Lots 201 and 203, Bentley Trust Property, Fairbanks, Alaska. February.



Limitations

The services described in this work product were performed in accordance with generally accepted professional consulting principles and practices. No other representations or warranties, expressed or implied, are made. These services were performed consistent with our agreement with our client. This work product is intended solely for the use and information of our client unless otherwise noted. Any reliance on this work product by a third party is at such party's sole risk.

Opinions and recommendations contained in this work product are based on conditions that existed at the time the services were performed and are intended only for the client, purposes, locations, time frames, and project parameters indicated. The data reported and the findings, observations, and conclusions expressed are limited by the scope of work. We are not responsible for the impacts of any changes in environmental standards, practices, or regulations subsequent to performance of services. We do not warrant the accuracy of information supplied by others, or the use of segregated portions of this work product.

The purpose of an environmental assessment is to reasonably evaluate the potential for, or actual impact of, past practices on a given site area. In performing an environmental assessment, it is understood that a balance must be struck between a reasonable inquiry into the environmental issues and an appropriate level of analysis for each conceivable issue of potential concern. The following paragraphs discuss the assumptions and parameters under which such an opinion is rendered.

No investigation can be thorough enough to exclude the presence of hazardous materials at a given site. If hazardous conditions have not been identified during the assessment, such a finding should not therefore be construed as a guarantee of the absence of such materials on the site, but rather as the result of the services performed within the scope, practical limitations, and cost of the work performed.

Environmental conditions that are not apparent may exist at the site. Our professional opinions are based in part on interpretation of data from a limited number of discrete sampling locations and therefore may not be representative of the actual overall site environmental conditions.

The passage of time, manifestation of latent conditions, or occurrence of future events may require further study at the site, analysis of the data, and/or reevaluation of the findings, observations, and conclusions in the work product.

This work product presents professional opinions and findings of a scientific and technical nature. The work product shall not be construed to offer legal opinion or representations as to the requirements of, nor the compliance with, environmental laws rules, regulations, or policies of federal, state or local governmental agencies.





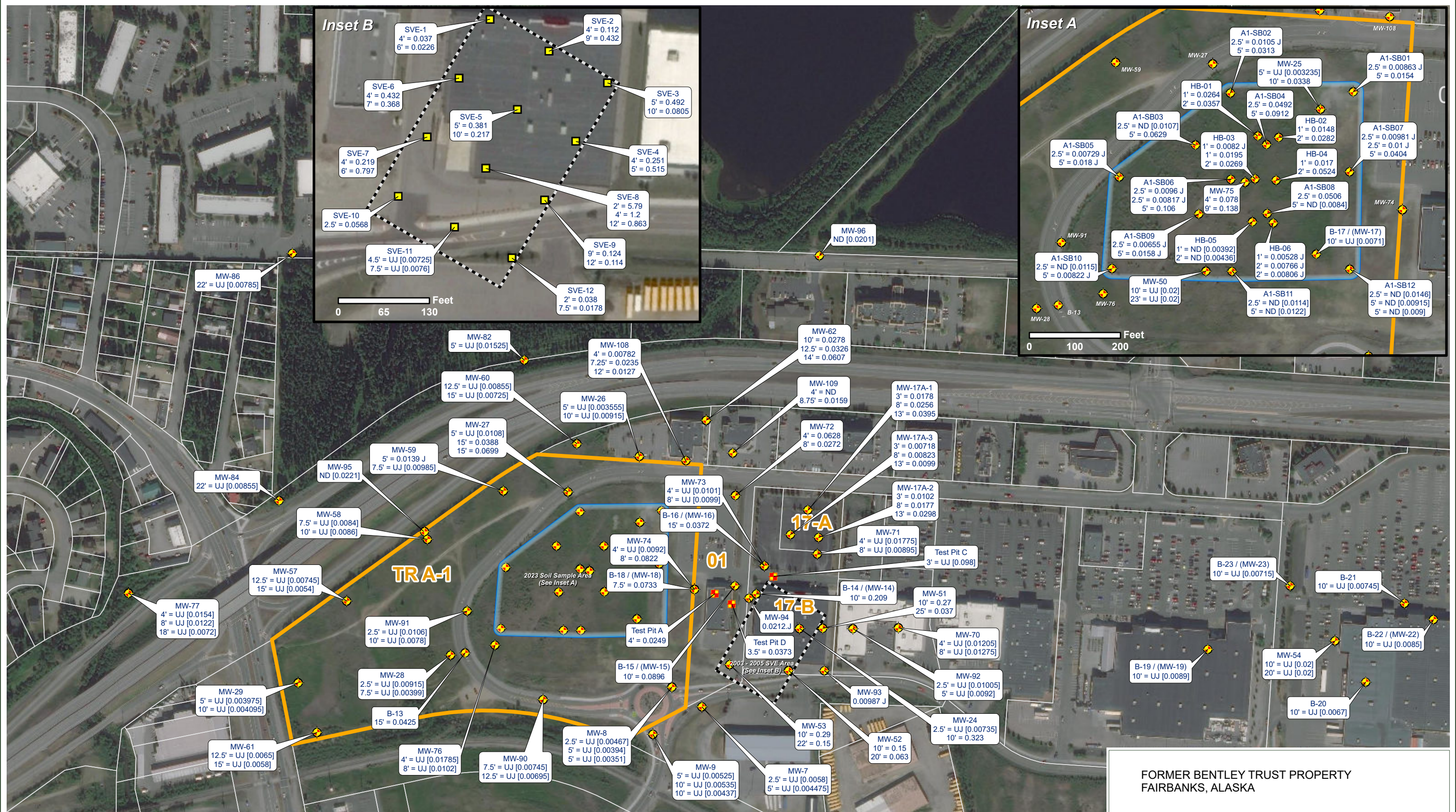
Figures

Former Bentley Trust Property

Soil Management Plan

ADEC File No: 102.38.123

August 26, 2024



FORMER BENTLEY TRUST PROPERTY
FAIRBANKS, ALASKA

Report
**FORMER BENTLEY PROPERTY
SOIL MANAGEMENT PLAN**

Drawing
HISTORICAL SOIL RESULTS

Date	April 2024	Scale	1" = 300 Feet	Fig. No.	1
File Name	F1_Bentley_Historical_SMP_24027	Project No.	105.01288.24027		

- Legend**
- Soil Boring or Monitoring Well Location
 - Approximate Test Pit Location
 - Source Area Treated With Soil Vapor Extraction Remediation
 - Area of Soil Management Plan Applicability
 - Property Boundary
 - 2023 Soil Sample Area

Sample Results Guide:

ND Not Detected
MRL Method Reporting Limit
mg/kg milligrams per kilogram
UJ The analyte was analyzed for but was not detected.
The reported quantitation limit is approximate and may be inaccurate or imprecise.

All soil sample results shown in mg/kg.

N

0 300 600 Feet

THIS DRAWING IS FOR CONCEPTUAL PURPOSES ONLY.
ACTUAL LOCATIONS MAY VARY AND NOT ALL STRUCTURES ARE SHOWN.

D:\Active Projects\APSCO\2024\24027 Bentley Trust Site\aprx\Bentley_Soil_Assess_24027\1.aprx





Base Imagery Source: Microsoft, State of Alaska, © OpenStreetMap, Microsoft, Esri, TomTom, Garmin, SafeGraph, METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA, USFWS

Legend

- 2023 Shallow Soil Boring Location
- ⊕ 2023 Tract A-1 Soil Boring Location
- ⊙ Historical Soil Boring or Monitoring Well Location
- ▭ Property Boundary
- ▭ Area of Soil Management Plan Applicability

Soil Restrictions Area

- Zone 1 (0' Limit)
- Zone 2 (3' Limit)
- Zone 3 (5' Limit)

Sample Results Guide:

ND Not Detected at or above the [Limit of Detection]
MRL Method Reporting Limit
mg/kg milligrams per kilogram
UJ The analyte was analyzed for but was not detected.
J The reported quantitation limit is approximate and may be inaccurate or imprecise.

Trichloroethene results in **bold** exceed ADEC cleanup level.
All soil sample results shown in mg/kg.

0 160 320 Feet

THIS DRAWING IS FOR CONCEPTUAL PURPOSES ONLY.
ACTUAL LOCATIONS MAY VARY AND NOT ALL STRUCTURES ARE SHOWN.

FORMER BENTLEY TRUST PROPERTY
FAIRBANKS, ALASKA

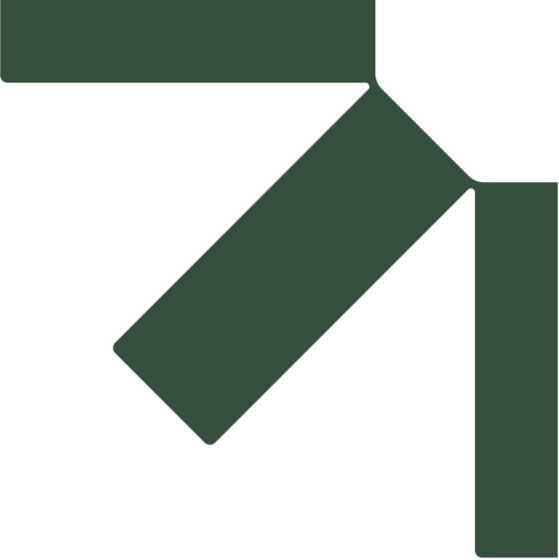
Report
**FORMER BENTLEY PROPERTY
SOIL MANAGEMENT PLAN**

Drawing
**SOIL MANAGEMENT ZONES WITH HISTORICAL
TRICHLOROETHYLENE (TCE) CONCENTRATIONS**

Date	March 2024	Scale	1" = 160 Feet	Fig. No.	2
File Name	F4_Bentley_Historical_SMP_24027	Project No.	105.01288.24027		

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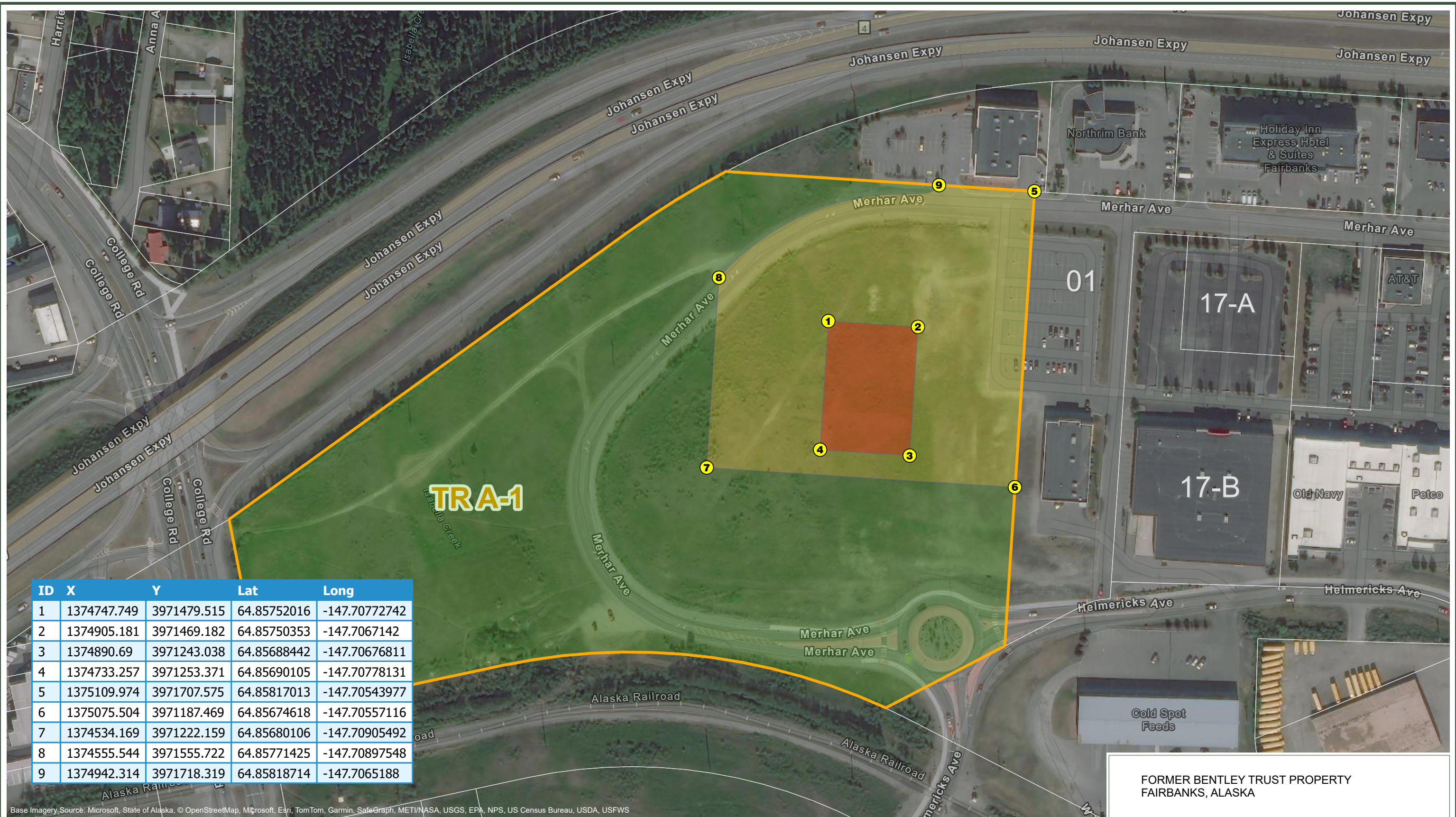
Appendix A Soil Management Zone Survey Data

Former Bentley Trust Property

Soil Management Plan

ADEC File No: 102.38.123

August 26, 2024



ID	X	Y	Lat	Long
1	1374747.749	3971479.515	64.85752016	-147.70772742
2	1374905.181	3971469.182	64.85750353	-147.7067142
3	1374890.69	3971243.038	64.85688442	-147.70676811
4	1374733.257	3971253.371	64.85690105	-147.70778131
5	1375109.974	3971707.575	64.85817013	-147.70543977
6	1375075.504	3971187.469	64.85674618	-147.70557116
7	1374534.169	3971222.159	64.85680106	-147.70905492
8	1374555.544	3971555.722	64.85771425	-147.70897548
9	1374942.314	3971718.319	64.85818714	-147.7065188

Base Imagery Source: Microsoft, State of Alaska, © OpenStreetMap, Microsoft, Esri, TomTom, Garmin, SafeGraph, METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA, USFWS

Legend

Property Boundary

Area of Soil Management Plan Applicability

Soil Restrictions Area

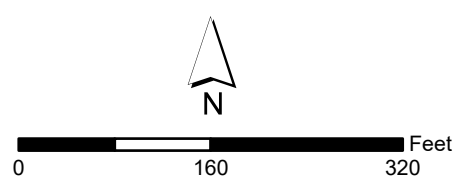
- Zone 1 (0' Limit)
- Zone 2 (3' Limit)
- Zone 3 (5' Limit)

FORMER BENTLEY TRUST PROPERTY
FAIRBANKS, ALASKA

Report
FORMER BENTLEY PROPERTY
SOIL MANAGEMENT PLAN

Drawing
SOIL RESTRICTIONS AREAS CORNERS

Date	April 2024	Scale	1" = 160 Feet	Fig. No.	1
File Name	F1_Bentley_Historical_SMP_24027 CORNERS	Project No.	105.01288.24027		



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ACTUAL LOCATIONS MAY VARY AND NOT ALL STRUCTURES ARE SHOWN.



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Appendix B ADEC Contaminated Media Transport and Treatment or Disposal Approval Form

Former Bentley Trust Property

Soil Management Plan

ADEC File No: 102.38.123

August 26, 2024



ALASKA DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SPILL PREVENTION AND RESPONSE
Contaminated Sites and Prevention Preparedness and Response Programs
Contaminated Media Transport and Treatment or Disposal Approval Form

HAZARD ID # or SPILL ID #		NAME OF CONTAMINATED SITE OR SPILL	
CONTAMINATED SITE OR SPILL LOCATION – ADDRESS OR OTHER APPROPRIATE DESCRIPTION			
CURRENT PHYSICAL LOCATION OF MEDIA		SOURCE OF THE CONTAMINATION (DAY TANK, FIRE TRAINING PIT, LUST, ETC.)	
CONTAMINANTS OF CONCERN	ESTIMATED VOLUME	DATE(S) GENERATED	
POST TREATMENT ANALYSIS REQUIRED <i>(such as GRO, DRO, RRO, VOCs, metals, PFAS, and/or Chlorinated Solvents)</i>			
COMMENTS OR OTHER IMPORTANT INFORMATION			

TREATMENT FACILITY, LANDFILL, AND/OR FINAL DESTINATION OF MEDIA	PHYSICAL ADDRESS/PHONE NUMBER
PARTY CONDUCTING CLEANUP	ADDRESS/PHONE NUMBER
WASTE MANAGEMENT COMPANY	ADDRESS/PHONE NUMBER

***Note, disposal of polluted soil in a landfill requires prior approval from the landfill operator and ADEC Solid Waste Program.**

_____	_____
Name of the Person Requesting Approval (printed)	Title/Association
_____	_____
Signature	Date
_____	_____
	Phone Number

-----DEC USE ONLY-----

Based on the information provided, ADEC approves transport of the above mentioned material. The party conducting the cleanup or their consultant must submit to the DEC Project Manager a copy of weight receipts of the loads transported and a post treatment analytical report, if disposed of at an approved treatment facility. The contaminated soil shall be transported as a covered load in compliance with 18 AAC 60.015.

_____	_____
DEC Project Manager Name (printed)	Project Manager Title
_____	_____
Signature	Date
_____	_____
	Phone Number

Instructions to Complete

Contaminated Media Transport and Treatment or Disposal Approval Form

The Alaska Department of Environmental Conservation (DEC) must approve the movement or disposal of contaminated soil and water from a site in accordance with 18 Alaska Administrative Code (AAC) 75.325(i), 18 AAC 75.370(b), and 18 AAC 78.274(b). The *Contaminated Media Transport and Treatment or Disposal Approval Form* should be used to document this approval. Soil treatment facilities regulated under 18 AAC 75.365 are required by their Operations Plans to only accept contaminated soil for which an approval form has been signed by a DEC project manager.

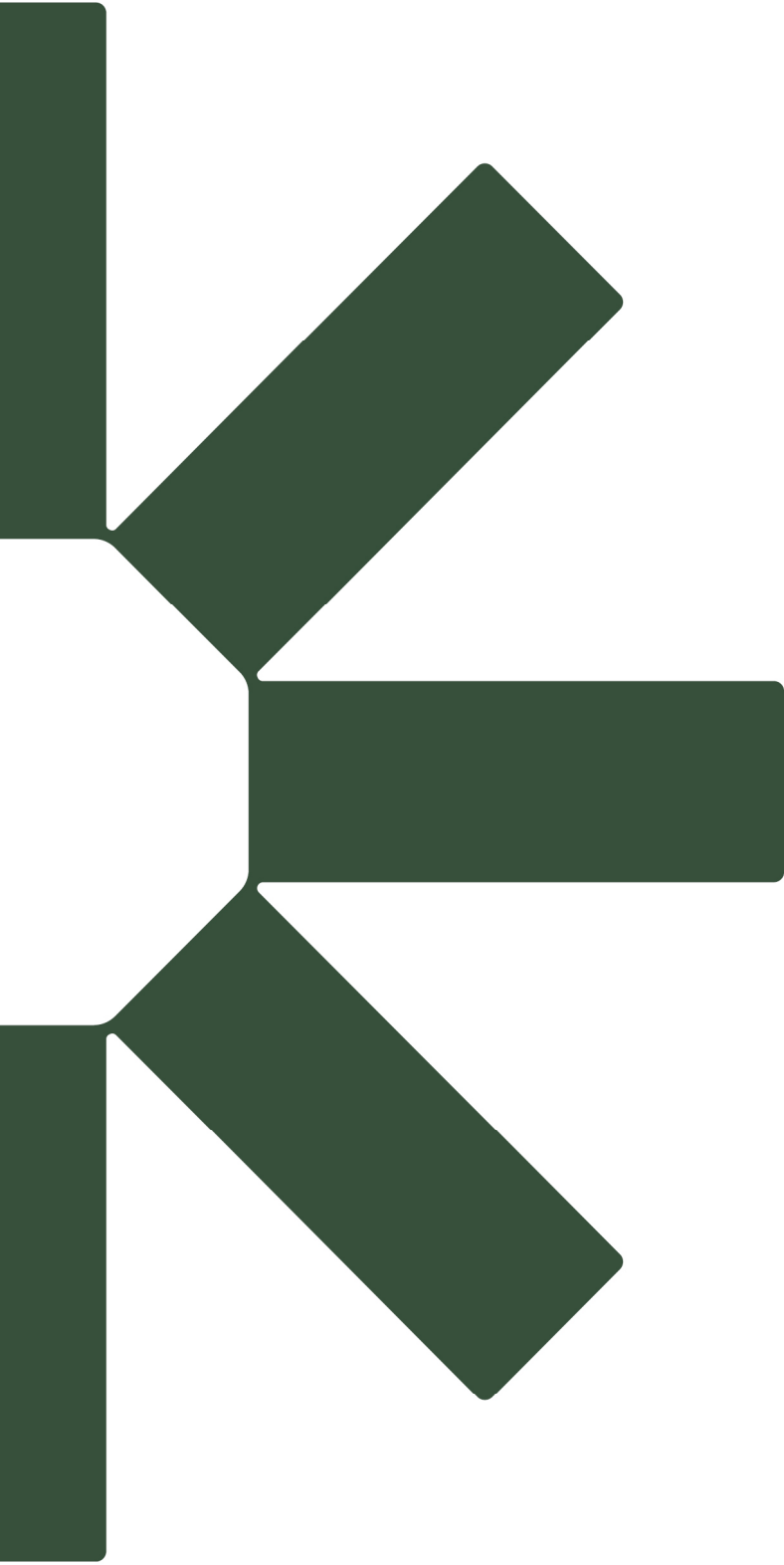
Site information can be found on the Contaminated Site Database (www.alaska.gov/Applications/SPAR/PublicMVC/CSP/Search/) or the Spills Database (<http://dec.alaska.gov/Applications/SPAR/PublicMVC/PERP/SpillSearch>).

Instructions to Complete:

1. **Hazard ID or Spill ID #:** For a contaminated site, the Hazard ID can be found on the Contaminated Sites Database. For a spill, the Spill ID can be found in the subject line of letters from DEC or the Spills Database. If the waste originates from multiple sites, all Hazard IDs or Spill IDs must be listed.
2. **Name of Contaminated Site or Spill:** For a contaminated site, the official site name can be found on the Contaminated Sites Database. For a spill, the official name of the spill is found in the subject line of letters from DEC or the Spills Database.
3. **Contaminated Site or Spill Location – Address or Other Appropriate Description:** This address or description captures the origin of the contaminated media or the location of the spill. For a contaminated site, the address or other appropriate description can be found on the Contaminated Sites Database. For a spill, this can be found on the Spill Report or the Spills Database.
4. **Current Physical Location of the Media:** Provide the physical location where the contaminated media (soil, water, etc.) is currently stored. This location may be the same as location provided in the “Contaminated Site or Spill Location”, or it could be a hazardous waste facility or other location/staging area agreed upon in the DEC-approved work plan.
5. **Source of Contamination (Day Tank, Fire Training Pit, LUST, etc.):** List all sources which contributed to the contamination in the media being transported. Sources can include previous releases that have comingled. If the source is unknown, state “Unknown”.
6. **Contaminants of Concern (CoCs):** List all contaminants detected above the most stringent Method 2 Tables B1 and B2 soil cleanup levels in 18 AAC 75.341(c) and (d), the Table C groundwater cleanup levels in 18 AAC 75.345, and other applicable action levels (e.g., TCLP results). Attach the laboratory data package for the contaminated media that is being disposed of and, if applicable, a data summary table or narrative to this form. Data gathered during site characterization activities may be sufficient to determine the CoCs. There are situations in which generator knowledge of the contaminant source may be accepted by a treatment or disposal facility in lieu of analytical sample results, such as, diesel-impacted media from a heating oil tank. If you are using generator knowledge in lieu of analytical sample results, include a statement which documents this knowledge in the Comments section.

7. **Estimated Volume:** Include the total volume of contaminated media to be transported; for instance, “Nine 55-gallon drums” or “25 cubic yards of soil.”
8. **Date(s) Generated:** Provide the date the media was generated (e.g., excavated, pumped out of the ground, etc.). If the media was generated over multiple days, list the range of dates.
9. **Post Treatment Analysis Required (such as GRO, DRO, RRO, VOCs, PAHs, metals, PFAS, chlorinated solvents, etc.):** Provide the list of all contaminants that exceed the most stringent Method 2 cleanup levels. For DEC-approved soil treatment facilities in Alaska, specific post treatment analyses will be determined by the facility based upon the contaminants and requirements of their Operations Plan. If the media are being transported to a landfill or permitted liquid waste facility without off-site treatment, include “Not Applicable”.
10. **Comments or Other Important Information:** Provide any other information which needs to be conveyed.
 - a. If generator knowledge of the CoCs is being used in lieu of sample analytical results, an explanation needs to be provided in this field.
 - b. If the material is going to be placed in a landfill in Alaska, include a statement that the landfill has agreed to accept the material and provide the contact information for the landfill point of contact. If the material is going to be placed in a Class 2 or 3 landfill, attach the DEC Solid Waste Program’s approval letter to this form.
 - c. If the media is going to an intermediate location or facility prior to its final destination, describe the complete transportation route with intermediate locations in this field.
11. **Treatment Facility, Landfill, and/or Final Destination of Media:** Include the name of the facility, landfill, or the final destination of the media. A list of DEC-approved Alaskan soil treatment facilities is available at www.dec.alaska.gov/spar/csp/offsite-remediation/. If multiple treatment facilities will be used, use separate forms to document what media will go to which facility. For material that will go to a waste transfer facility prior to disposal at another facility, the final destination should be listed.
 - a. **Physical Address/Phone Number:** Provide the physical location and telephone number of the facility, landfill, or the final destination of the media.
12. **Party Conducting Cleanup:** Provide the name of the entity overseeing the project, typically this is the party responsible for the spill or could be a party which has received grant funding to conduct cleanup.
 - a. **Address/Phone Number:** Provide the contact information for the party conducting the cleanup.
13. **Waste Management Company:** Provide the name of company or person shipping and/or organizing the shipment of the media.
 - a. **Address/Phone Number:** Provide the mailing address and telephone number of the waste management company or organizer.

Submit this completed form along with all necessary attachments to the assigned DEC project manager for approval, or contact the Contaminated Sites Program at (907) 269-7558 or the Prevention, Preparedness and Response Program at (907) 269-7557.



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