

TAURIAINEN ENGINEERING & TESTING

35186 Spur Hwy Soldotna, AK 99669 (907)262-4624 FAX 262-5777 engineeringalaska@gci.net

MEMORANDUM

Date: 21 June 2019

To: Paul Horwath, ADEC

Copy: DiAnna Leaders
E-mail: alaskadidi@hotmail.com
Jeannette Ducker
Email: u2lo2cme@yahoo.com

From: Mark Fondren, Project Engineer *MF*

Subject: Work Plan: Previously Removed Underground Storage Tank
Estate of Edwin Saltz (Previously - Saltz General Contractors)
Facility ID #422
M.D. Buckman Homestead Sub No 1 Lots 8 & 9
2 pages + Attachment



98170

Introduction

Following is a work plan to re-investigate possible soil contamination from an underground diesel storage tank (UST) removed from subject property in 1998. A submittal made by our firm (Northern Test Lab at the time) to ADEC on 23 March 1999 will be referenced in this work plan regarding the removal of two (one gasoline and one diesel) underground storage tanks (USTs) on subject property. Soil at the UST locations was sampled in 1998 by our firm for gasoline range organics (GROs) but not diesel range organics (DROs). To show whether soil contamination exists from the diesel storage tank, soil under the previous location of the diesel tank will be sampled and tested for DROs.

Tank Location

The referenced submittal to ADEC on 23 March 1999, has a site plan outlining the previous location of the two USTs (attached). This plan is proposed to identify and mark the previous location of the diesel storage tank. A Work Plan drawing was created based on Kenai Peninsula Borough (KPB) Parcel Viewer Fixed-Wing Imagery (2012/2013). Historic imagery from KPB Parcel Viewer (1996) was reviewed to confirm structures present during initial excavation (attached).

1. Use swing ties from previous site plan to identify approximate location of previous excavation.
2. Previous excavation area was approximately 25'x25'.
3. The diesel tank footprint was documented as 15'x7' (15'x15' total area of the two tanks).
4. The previous excavation extended 5' beyond the sides of the diesel and gasoline tanks.
5. Identify previous diesel tank location from above information.

Once the previous location of the diesel tank and excavation has been identified and marked the planned excavation and sampling will begin.

Excavation

Following is a summary plan for re-excavation, by excavator, of the diesel tank former location. A transition from native and previously excavated soil will visually identify the previous excavation.

1. Verify excavator has no hydraulic leaks prior to excavation.
2. Clean excavator bucket prior to start of work, and collecting each sample to avoid contamination from the bucket.
3. Excavate two trenches to a depth of 12', one at the middle and one at fill end of the previous tank location.
4. Start excavation approximately 3.5' outside perimeter of original excavation.
5. Excavation area planned is roughly (2) 4'x14' trenches (see Proposed Excavation Plan).
6. Collect grab samples at 12'-14' below grade, where the diesel tank was.

Soil Testing and Sampling

Soil testing and sampling will be conducted in accordance with ADEC Underground Storage Tank Procedures Manual, and ADEC 18 AAC 78 Underground Storage Tank regulations. Soils will be tested in the field and laboratory. We will notify ADEC of proposed field investigation and again before collecting samples so ADEC personnel can observe location, testing, and sampling. Following is our plan for soil testing and sampling.

Field Testing

- Soil field testing will be conducted at a depth of 12'-14' (within 2 feet of bottom of previous diesel tank location).
- Field tests will be conducted using an organic vapor monitor (OVM).
- Excavations areas planned are each 4'x14' (56 square feet).
- At least five OVM field tests will be made (See Proposed Excavation Plan).
- Samples collected for field testing will be placed in a zip-lock bag, agitated to release organic vapors, and tested with the OVM.
- Location and results for the five field samples will be recorded.

Laboratory Samples

- Field sampling will be conducted where soil is sampled (See Proposed Excavation Plan)
- Soil will be sampled at a depth of 12'-14' (within 2 feet of bottom of previous diesel tank location).
- Three soil samples will be taken where the diesel tank was - at mid point, fill end, and a duplicate sample from the fill end (duplicate sample to evaluate laboratory accuracy)
- Soil samples will be collected in 250 ml amber glass bottles and transported on blue ice for analysis of diesel range organics (AK102)

End of Memo Text

Attachments:

1996 Imagery KPB
2012/2013 Imagery KPB
Previous Site Plan (1998)
Site Plan
Proposed Excavation Plan



Geographic Information Systems

144 North Binkley Street, Soldotna, Alaska 99669

1996 Imagery KPB



Legend

- Census Designated Places
- City Limits
- Air Photos
- PlaceNames**
 - Towns and Villages
 - City
- Mileposts
- Highways
- Major Roads
 - Town Medium Volume
 - Town Low/Seasonal; Other Proposed
- Parcels
 - KPBRaster.DBO.DOQ1996
 - High : 255
 - Low : 0

This map is a user generated static output from an Internet mapping site and is for reference only. Data layers that appear on this map may or may not be accurate, current, or otherwise reliable.

0 0.02 0.05 Miles

Coordinate System: NAD_1983_StatePlane_Alaska_4_FIPS_5004_Feet

THIS MAP IS NOT TO BE USED FOR NAVIGATION

Notes

Estate of Ed Saltz



2012/2013 Imagery KPB



Legend

- Census Designated Places
- City Limits
- Air Photos
- PlaceNames**
 - Towns and Villages
 - City
 - Mileposts
 - Highways
 - Major Roads
 - Roads**
 - Town Medium Volume
 - Town Low/Seasonal; Other
 - Proposed
- Parcels

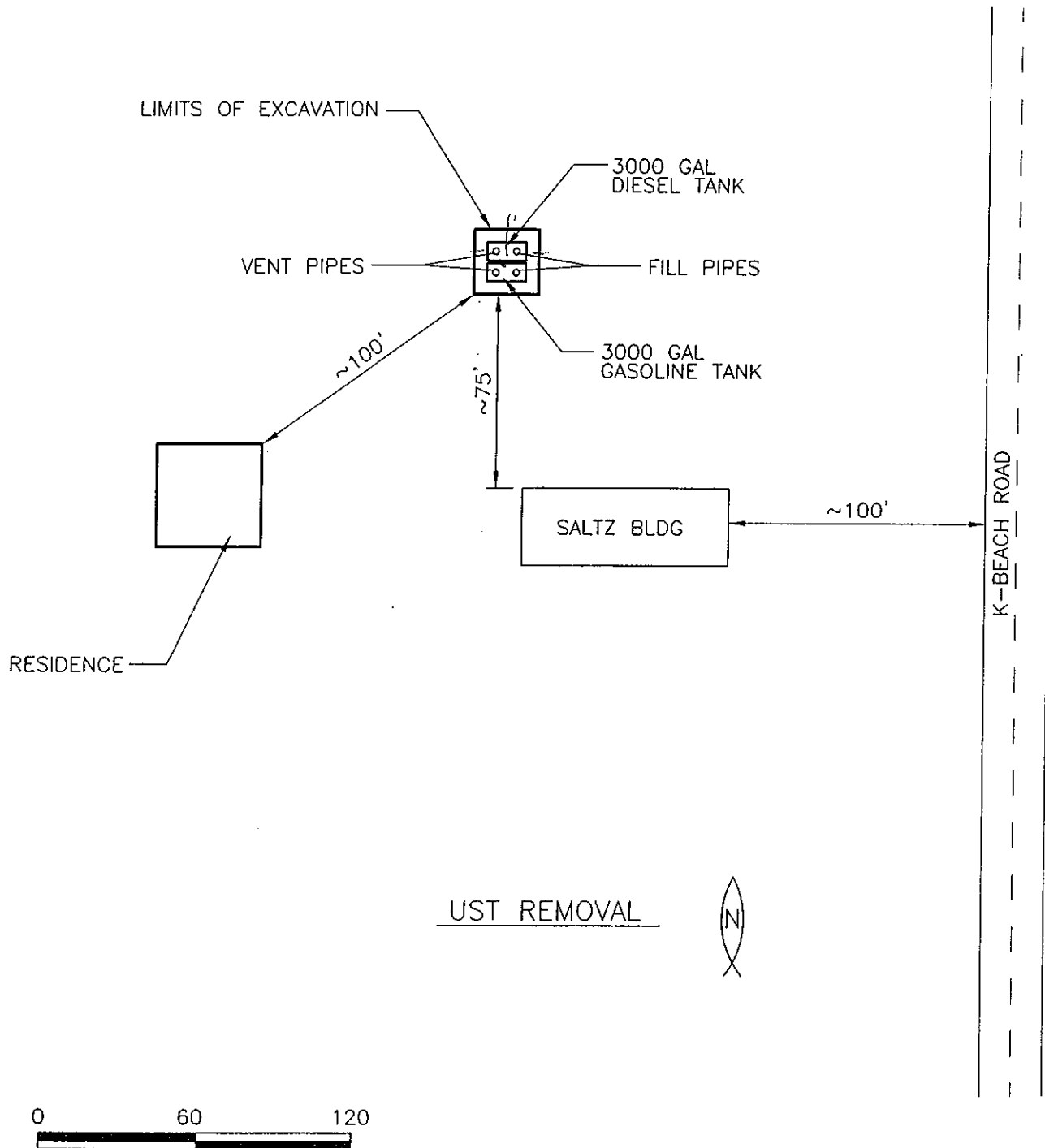
This map is a user generated static output from an Internet mapping site and is for reference only. Data layers that appear on this map may or may not be accurate, current, or otherwise reliable.



Coordinate System: NAD_1983_StatePlane_Alaska_4_FIPS_5004_Feet

THIS MAP IS NOT TO BE USED FOR NAVIGATION

Notes
Estate of Ed Saltz



Northern Test Lab

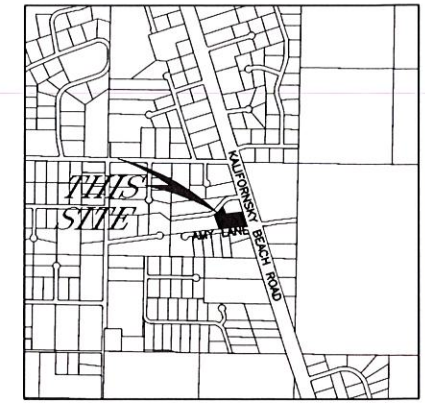
35186 SPUR HWY.
SOLDOTNA, ALASKA 99669

(907) 262-4624
FAX 262-5777

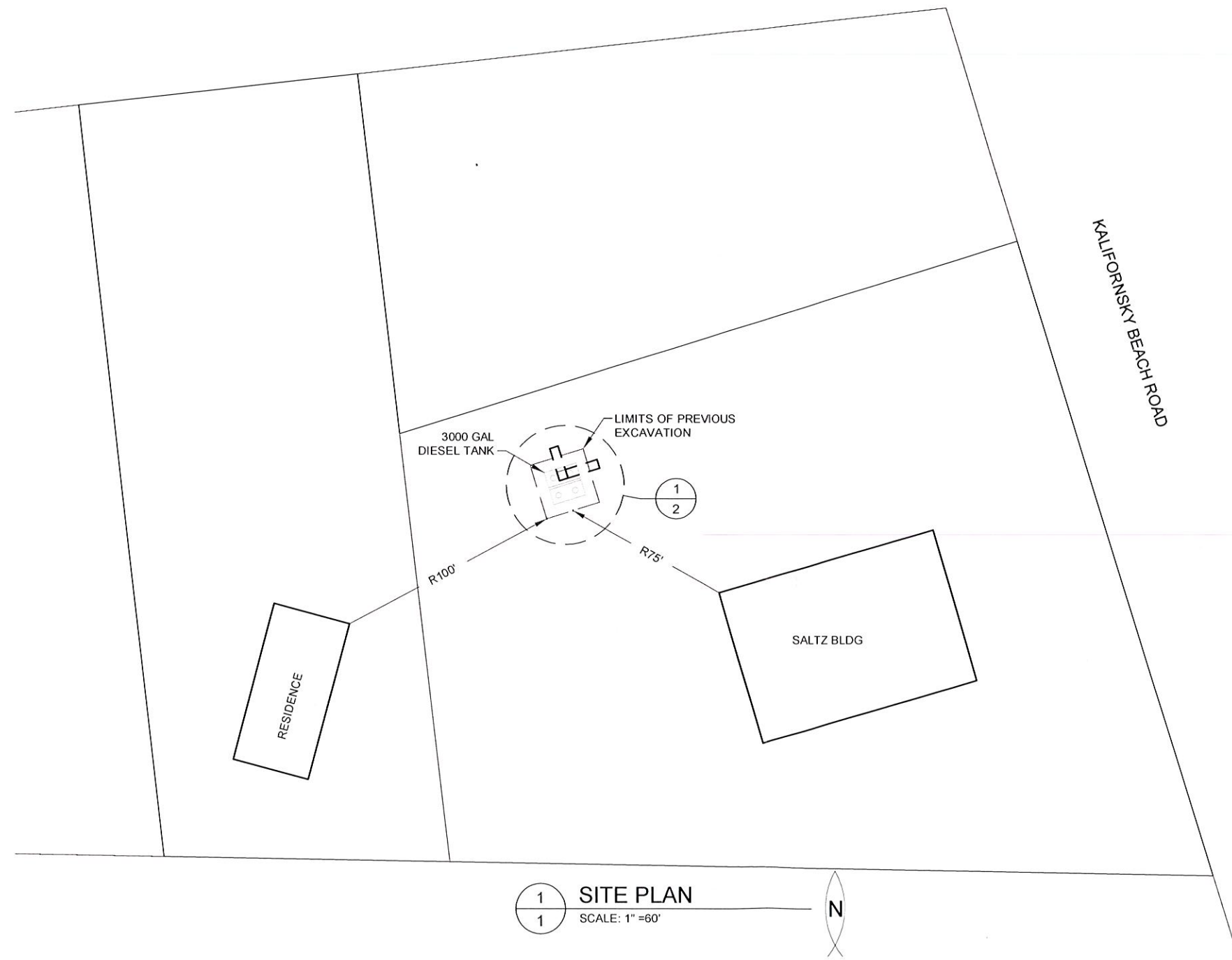
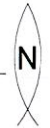
DATE: 10/1/98
DRAWN: RS
CHECKED: HP
SCALE: 60
PROJECT NO.: 98170

SALTZ GENERAL CONTRACTORS
UST REMOVAL
9/10/98

FIGURE
1



VICINITY MAP
SCALE: 1" = 1 MILE



1 1 SITE PLAN
SCALE: 1" = 60'



KALIFORNISKY BEACH ROAD

NOTES:
1. WORKING MAP BASED ON KENAI PENINSULA BOROUGH FIXED-WING IMAGERY (2012/2013)

SITE PLAN

SALTZ
Kenai, Alaska

35186 Spur Hwy Soldotna, AK 99669
TAURAINEN ENGINEERING & TESTING
TEL (907)262-4624 FAX 262-5777 EMAIL engineeringalaska@gci.net

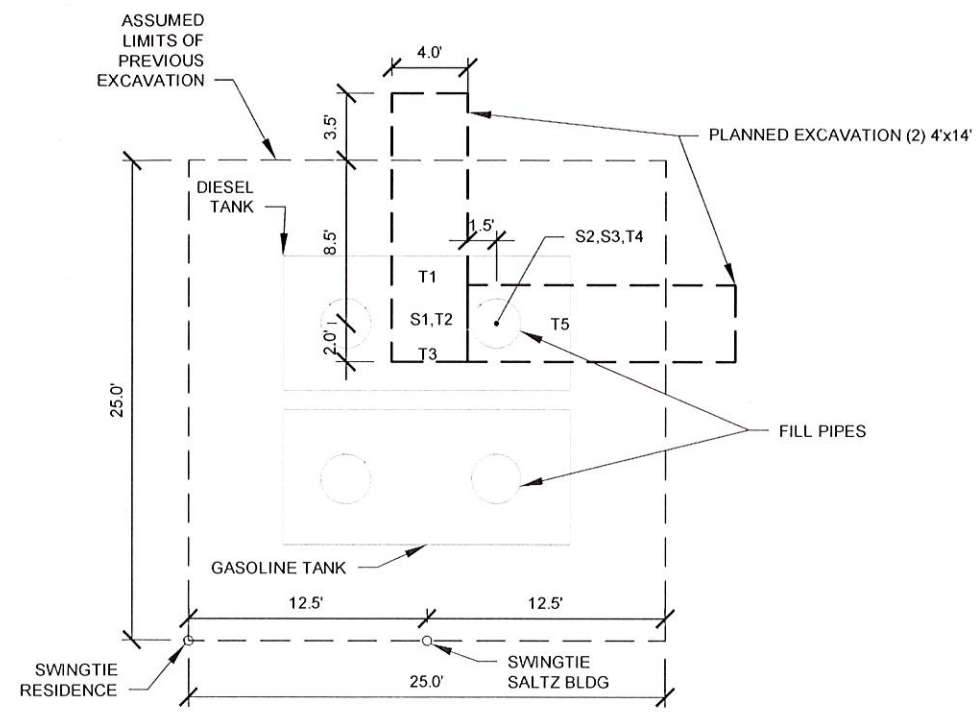
DATE JUNE 2019
DRAWN HSW
CHECKED MF
FILE NAME siteplan
PROJ# 98170

SHEET

1

OF 2





1 EXCAVATION DETAIL
 2 SCALE: 1" = 10'

- NOTES:
 1. FIELD TESTING LOCATIONS T1, T2, T3, T4, T5
 2. SOIL SAMPLE LOCATIONS S1, S2, S3



PROPOSED EXCAVATION PLAN

SALTZ
 Kenai, Alaska

35186 Spur Hwy Soldotna, AK 99669
 TEL (907)262-4624 FAX 262-5777 EMAIL engineeringalaska@gci.net
TAURIAINEN ENGINEERING & TESTING

DATE	JUNE 2019
DRAWN	HSW
CHECKED	mt
FILE NAME	siteplan
PROJ #	98170

SHEET

2

From: markf@gci.net
To: [Horwath, Paul D \(DEC\)](#)
Subject: RE: Saltz General Contractors, ADEC File# 2333.26.031: Soil Sampling and Analysis Work Plan_ Estate of Edwin Saltz Work Plan
Date: Monday, July 08, 2019 12:52:28 PM

Paul,

Here are answers to the questions you sent.

1. The lab the samples will be sent to is SGS.
2. A signed report will be provided to ADEC at completion of the project.
3. The field work consists of all of the items mentioned. We plan to do our field investigation in two parts. The first site visit we will identify the surface location of former excavation pit by measuring distances from existing structures. The second site visit we will conduct excavation, field screening (OVM readings), and soil sampling. We plan to notify ADEC when site visits will occur.

Do not hesitate to call if you have any questions or concerns about the work plan as specified.

Thank you,
Mark Fondren
907-262-4624

From: Horwath, Paul D (DEC) <paul.horwath@alaska.gov>
Sent: Wednesday, July 03, 2019 3:46 PM
To: markf@gci.net
Cc: 'DiAnna Leaders' <alaskadidi@hotmail.com>; u2lo2cme@yahoo.com; Horwath, Paul D (DEC) <paul.horwath@alaska.gov>
Subject: RE: Saltz General Contractors, ADEC File# 2333.26.031: Soil Sampling and Analysis Work Plan_ Estate of Edwin Saltz Work Plan

Mark,

Which laboratory will the three soil samples be sent to, for DRO (AK 102) lab analyses?

A signed report will be provided to ADEC following the completion of the field sampling and the receipt of the laboratory report, correct? Which describes the field work, the identification of the former excavation pit, the soil sampling process, including identification of the soil sample collection locations and field screening (OVM) readings?

Paul Horwath
ADEC Project Manager
(907) 262-3422

From: markf@gci.net [<mailto:markf@gci.net>]

Sent: Friday, June 21, 2019 5:42 PM

To: Horwath, Paul D (DEC) <paul.horwath@alaska.gov>

Cc: 'DiAnna Leaders' <alaskadidi@hotmail.com>; u2lo2cme@yahoo.com

Subject: Estate of Edwin Saltz Work Plan

Paul,

Attached is a work plan for the Estate of Edwin Saltz (Facility ID#422). Please review attached submittal. Our firm will plan to drop off a hard copy of this submittal next week.

Regards,

Mark Fondren

Project Engineer

Tauriainen Engineering and Testing

35186 Kenai Spur Hwy

Soldotna, Alaska 99669

907-262-4624 Office