BGWBF
2.1
8/12/09

ecology and environment, inc.

International Specialists in the Environment

USEPA SF
1306360

Job Number 002233.0178.01BR
Bremerton Gasworks Properties
TDD- 07-01-0008

641385

E & E Job Number 002233. 0178. 0132

Telephone Code Number

Site Name Bremerton Gasworks properties

City/State Bremerton, WA 98310

TDD 07-01-0008

PAN

SSID N/A

Start / Finish Date 1/16/07 , 8/31/09

Book 1 of 2

E & E Emergency Response Center: (716) 684-8940
E & E Corporate Center: (716) 684-8060
MEDTOX Hotline: (501) 370-8263
E & E Safety Director (Home): (716) 655-1260

002233.0178.01BR Bremerton Gasworks 01-16-07

Bryce Robbert

Calling Joanne Labow Re: Bremerton Phase I Assessments

Weather 035 F

1506- Left a message with Joanne's voicemail.

1615- Joanne returned my call, informed ~~START~~ that the phase I ESA's are available on the 9th floor, office mailroom.

Bryce Robbert 1-22-07

8. 01 BA Bremerton Gasworks 01-23-07

with Jeff Dawson / Renee Nordeen
= / partly cloudy

nding a meeting with Renee / Jeff
erning a meeting with Duane Larson / Geoengineers /
of Bremerton.

Renee Nordeen 1-23-07

G02232. 0178. 01BR Bremerton Gasworks 1/29

Bryce Robbins

Calling Joanne R: BR Gas

1500 - Called Joanne Labaw, left message regarding Bremerton Gasworks meeting.

[signature] 1-29-07

1/29/07 002233.0178.01BR Bremerton Gasworks 1/30/07

Bryce Robbert

Calling Joanne Re: BR Gas

1620 - Received message from Joanne regarding the Bremerton Gasworks.

- In training today - able to talk @ 4-5 pm
- She is injured, but wants START to have a site walk-through without her.
- She will arrange a site walk-through
- 206 553 2594

1630 - Called at 1630, ended call at 1637.

1752 - Joanne called back @ 5:52 pm -

- Geo engineers has scheduled a site walkthrough at Bremerton Gasworkers for 1130 AM, 2/1/07
- Discussing site / Sampling with Geo engineers and City of Bremerton.
- Target analyticals PAH, metals, petroleum
- Mixed waste site
- Bring camera, log book, maps

Bryce Robbert 1-30-07

002233.0178.01BR Bremerton Gasworks 1-31-07

Bryce Robbert

Calling Joanne Re: BR Gas

11:03 - Joanne called wanting to confirm my email address and that the 2/1/07 site walk through and meeting in Bremerton.

11:3. - Spoke with Jeff Powlow about traveling to Bremerton at 8:45, coordinating a site walk through at 1130, and attend a meeting with Joanne Lubow at 1315.

Bryce Robbert 1-31-07

702233.0178.01BR Bremerton Gasworks 2-1-07
Bryce Robbert + Jeff Foulow
Traveling to Bremerton / City of Bremerton meeting
Weather 40°F, Clear, Slight breeze
0800 - Depart from warehouse to Seattle / Bremerton Ferry
0845 - Depart to Bremerton via Ferry.
0950 - Arrival in Bremerton, depart ferry and break for lunch.
1100 - Depart for McConkey properties at 1725 Pennsylvania Avenue in Bremerton, WA.
1130 - Arrival at McConkey properties. Stakeholders on site: Trip McConkey (Owner, Operator), Scott Trimble (Geoengineers) David Cook (City of Bremerton), Dan Miller (Bremerton architect) McConkey property - prop. 1 (2.4 acres), prop. 2 (1.5 acres) Sesko property - prop. 1 (0.55 acres) formerly 10 Aboveground Storage Tanks on site, only foundations and broken asphalt remains.
1155 Trip McConkey leads START on tour of properties, describing the history of the site, and his intentions to develop the land for marine / housing ~~project~~ BR project.
1230 Geoengineers Scott Trimble spoke about surveying the properties, having Geoengineers install monitoring wells, and having the EPA (E&E) sample with a Geoprobe. Geoengineers will collect approx. 8 MW locations: 2 near the "gas tank" on McConkey property, 1 near the tank farm, 1 in the tank farm, 2 on the Sesko property, and 1 on the trail near the beach.
1305 START departs from the McConkey property and travels to City of Bremerton public works building for a meeting with Joanne Labun, EPA and the other stakeholders. Geoengineers laid out their strategy for installing monitoring wells, and developing a report to share with EPA.
[illegible] 2-2-07

G02233.0178.01BR Bremerton Gasworks 2-7-07

START - Bryce Robbert, Jeff Fowler

City of Bremerton meeting

Weather - 55°F, Clear, Slight breeze

1330 - Geoengineers wants EPA/START QAPP, re
from borehole sampling. EPA will do SQAP,
planning! Survey will be complete 2/26-3.
Geoengineers will submit their sampling plan
EPA/START 3/15, EPA/START review and
4/15, Geoengineers field work complete 4
Analysis / bore holes complete by 5/30, re
complete 6/15, EPA/START field work
complete by 8/1 - 8/15, Analysis 9/15,
report complete by 10/1/2007. Joanne
contact the State Historical preservation of
to confirm the site is not a cultural
historical resource. CLP analysis will
used. Access Agreements will take time
Sesco property. Meeting concluded at

1510 START departs from site, destination E&E
warehouse.

1700 START arrives at warehouse. BR-8, JF-

Bryce Robbert
2-1-07

07-01-0008 Bremerton Gasworks 4/9/07

START - Bryce Robbins

Communications from Joanne Labaw, RE: 4/9/07

weather - 45° F, cloudy

1527 - Responded to Joanne Labaw's e-mail regarding Groundwater SAP & QAPP.

Bryce Robbins 4/9/07

07-01-0008 Bremerton Gasworks 05/2/07

START- Bryce Robbert, communication between Joanne Labaw

Weather- 50°F, partially cloudy

0917- Joanne Labaw sent an e-mail informing START that the Geoengineers scheduling for field work will be bumped back to May 21.

1400- START BR e-mailed a response to Joanne Labaw.

1445- START BR called Joanne Labaw to clarify that START field work will be delayed based on Geoengineers delay.

1542- Joanne Labaw sent a forwarded e-mail to Geoengineers / parametrix - resend the surveying data

Bryce Robbert
5/3/07

05/2/07
Labaw
ART
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Labaw.
rify
based
to
rying data.

02233.0178.01B1 Bremerton Gasworks TBA 12/5/07

START - Linda Costello, Bryce Robbert

EPA - ~~Linda Costello~~ RL Joanna Labaw

City of Bremerton - Dan Miller, GeoSean Trimble David Cook -

RE: City of Bremerton Sampling meeting -

12:52 - START BR/LC arrived at Bremerton PGW, met with City of Bremerton Dan Miller

13:02 - EPA Joanna Labaw arrived at site.

13:04 - Dan Miller discussed meeting with Paul McCoakley, potential conflict, concern about financial impacts.

13:06 - Geoengineers David Cook, Sean Trimble arrived.

13:17 - David Cook started the meeting - Ms. Labaw stated that we have a strategy for sampling.

14:24 - meeting ajourned.

[signature]

12

07-01-0008 Bremerton Gasworks 05/02/05

START- WSI Bryce Robbins

Weather- 50°F, Overcast

Re: Bremerton Gasworks Locating

0650 - WSI Bryce Robbins departs from home.

0729 - Contacted via mobile phone by CNI locates. Informed about a possible delay, will arrive by 0830-0900.

0750 - Arrived onsite.

0842 - CNI locates arrived onsite, prepares to continue underground locate.

0849 - WSI BR spoke with Troy McCloskey. Mr. McCloskey has made the restroom facilities available for site work.

0917 - Contact START Rene Morrison - informed her about events occurring onsite. Will update at the end of the day.

0919 - CNI locates informed START BR that additional costs would be incurred if a sewer locate service was performed.

0926 - START BR contacted EPE Katy Miller regarding the additional cost for sewer location services. Left message on her office voicemail.

0945 CNI locates indicated that two of the storm water outfalls were filled in with silt + debris. He indicated (Tim Jones) that the two outfalls on the North McCloskey property should be considered "dry wells".

1127 CNI locates departed for a 10 minute break.

1139 CNI locates returned to the site.

1209 CNI finishes locating the sewer property.

1211 WSI departs from site (BR).

1230 WSI board WS Ferry to Seattle

1350 WSI arrives at EPE Seattle.

Bryce Robbins 5/2/05

05/02/05 07-01-0008 Bremerton Gasworks 5/12/05

- START - Renee Nordeen, Alan Jensen, Courtney Fanel, Bryce Robbert
- Boart Longyear - Travis Stephens, plus 3 workers.
- weather - 65°F, p. cloudy, faint breeze
- 002233.0178.01 BR Re: Bremerton Gasworks TBA
- 0621 - START BR, RN arrived at EPA Region 10 warehouse
- 0625 - START CF arrives, transfers equipment.
- 0639 - START BR, RN, CF depart from WH, destination 1725 Pennsylvania Avenue, Bremerton, WA for drilling, environmental sampling site work.
- 0757 - Arrived at Pennsylvania Avenue, On Site.
- 0758 - START BR spoke with Site Owner, Tripp McConkey, introduced START RN, CF, gave permission to use Penn Plaza restroom facilities during site work.
- 0810 - START AJ, RN, CF, BR conduct site safety meeting, discussed slip/trip/falls, bee allergy awareness, and overhead powerlines. All START personnel sign/date H&S plan.
- 0815 - Boart Longyear remobilized from Thompson Avenue, to Pennsylvania Avenue (Sesker property) to prepare to collect SP02 soil samples and install monitoring well.
- 0838 - Trip blank poured ⊙
- 0859 - Boart Longyear has prepared drill rig for sampling. START CF, AJ will be present during drilling activities.
- BR ~~0922~~
- 0922 - First sample collected, SP02 B6 08.
- 0923 - Site Owner Tripp McConkey will contact the owners of several vehicles on the North McConkey property to move their vehicles to accomodate site drilling activities.
- 0955 - Boart Longyear notified START BR that the monitoring well materials will not be available.

[signature] 5-12-05

07-01-0008 Brewster Construction TBR: 05/1

START- Renee Nordeen, Alan Jensen, Courtney Evans, Bryce A

Boart Longyear- Travis Stephens + 3 workers

~~1005~~ PM Weather- 65°F, P. Cloudy

Re: Continued drilling operations

1005- Boart Longyear Travis Stephens departure from the site.

1015- Drilling delayed until monitoring well supplies arrive.

1047- Boart Longyear staff depart for an early lunch.

1052- START depart for lunch.

1129- START return to site.

1147- Boart Longyear staff return and commence with monitoring well installation at SP02.

1159- Boart Longyear inserted Ogle Bay/Norton Colorado Silica Sand into the monitoring well, and performed decon on the hollow-stem augers as they were ~~backed~~ removed from borehole SP02.

1259- Boart Longyear finished monitoring well SP02, well tag # BAJ109.

1345- Drilling starts on SP01, first sample collected at 1355.

1425- Drilling stops on SP01, subsurface soil collection halted at 20 feet bgs. One groundwater sample was collected.

1600- Drilling starts at SP03, first sample collected at 1605.

1710- Drilling stops on SP03, an additional ~~3 samples~~ 27 15' bgs were collected, with visual contamination. One groundwater sample was collected.

1711- Drillers depart from the site.

1800- SP03GW was collected, START AJ departs the

1850- START BR, CF depart the site.

[signature] 5/11/16

05/12/08

07-01-0008 Bremerton Gas Works TBR 05/13/08

START - Bryce Robbins, Alan Jensen, Courtney Funk

Boart Longyear - TJ + 2 workers

weather - 50°F, heavy clouds, light rain

Re: Continuing Operations.

0719 - START AJ, BR, CF arrive onsite.

0729 - Boart Longyear arrives onsite, prepares to commence drilling operations.

0759 - Site owner Tripp McCauley arrives on site, inquiring about site activities.

0820 - START AJ contacts WES Joe Fowlow about sending additional sample supplies to the Oxford Hotel.

0915 - Trip Blank 02 is poured by START AJ.

0920 - Drilling commences at MP04, first sample collected at 0940.

1139 - Drillers departed from the site.

1215 - Drillers returned to the site.

1351 - START departed from the site for lunch.

1425 - START returned to the site. Boart Longyear will continue to delineate well MP04 and SP02.

1507 - MP04SB25 hit refusal, no sample taken, and MP04SB30 hit refusal, but enough sample was collected at MP04SB25 from a depth of 25 to 26.5 to complete analysis requirements.

To clarify: no sample was taken at MP04SB30.

1570 Rinsate RS01WT collected from Boart Longyear drill rig.

Note: At 1530, the drillers departed the site.

1600 - START AJ departed the site with samples, bound for Manchester Environmental Lab, port orchard, WA.

1700 - START BR, CF depart the site.

[signature] 5/13/08

07-01-0008 Bremerton Gas Works TBR 5/14/08

START - Alan Jensen, Bryce Robbert, Courtney Frank

Boart Longyear - TJ + 2 workers

Weather - 55°F, full overcast

Re: continuing drilling operations

0705 - START BR & CF arrive onsite.

0710 - START AJ arrived onsite, with COC receipts from Manchester Env. Lab.

0719 - Boart Longyear arrived onsite.

0730 - START BR spoke with TJ from Boart Longyear about drilling in Thompson Avenue. He indicated that two appropriate ~~[illegible]~~ BR locations were available.

0755 - START AJ poured trip blanks.

0800 - Site owner Tripp McCoukey inquired about site work, START BR gave a brief summary.

0805 - Drilling commences at MP01, first sample collected at 0825 (MS/MSD).

0857 - Boart Longyear snapped a cable for the hammer. START AJ poured RS02WT at 0900.

0922 - START R. Nordeen informed START BR about a delay in the right of way permit.

1000 - START BR notified START R. Nordeen regarding insufficient water for MP01GW (MS/MSD). START R. Nordeen advised to stop drilling and move MS/MSD to another location.

~~BR No sample was collected for MP01GW.~~

1030 - START R. Nordeen notified START BR that the CLP ID number will be included with all samples going to KAP Technologies, Inc. in The Woodlands, TX. SVOCs and VOCs will be shipped, as well as SVOC and VOCs that were originally shipped to Manchester.

1045 Drillers depart for lunch.

[signature] 5/14/08

07-01-
START -
Boart
Weath
Re: (
1050 -
1119 -
1120 -
1230 -
1305 -
1330 -
1335 -
1359 -
1505 -
1510 -
1700 -

07-01-0008 Bremerton Gas Works TBA 5/14/08

START - Alan Jensen, Bryce Robbins, Courtney Funk

Boart Longyear - John, JT + 1 worker

Weather 65° F, Overcast

Re: Continuing Operations

1050 - START repackages samples for Manchester and KAP, Inc.

1119 - Drillers return from Lunch.

1170 - START has delayed drilling MP02 - MP03 to finish developing MP01GW sample.

1230 - START departs the site for Lunch, shipping samples to KAP Tech, Inc.

1305 - START returns to the site.

1330 - START collects MP01GW sample.

1335 - Boart Longyear finishes abandoning MP01.

1359 - Boart Longyear departs from the site.

1505 - START AJ departs from site, delivering samples to Manchester.

1510 - START sends START CF with additional sample to Manchester.

1700 - START CF returns, both START BR / CF depart the site to ship to KAP Tech, Inc.

[signature]

5/14/08

07-01-0008 Bremerton Gasworks, TBA 5/15/08

START - Alan Jensen, Bryce Robbert, Courtney Funk, Bryan Kasser

weather - 60°F, Overcast

Re: Continuing operation

0730 - START BR, CF, AJ arrive onsite

0735 - START Bryan Kasser arrives onsite

0748 - START BR contacted START R. Nordeen, who informed START V. Miller that drilling would not commence on Thompson Avenue (MP02-MP03).

0900 - START AJ moved Trip Blank TB05WT.

1015 - MP04GW collected.

1210 - SP02GW collected.

1250 - START AJ, CF departed for lunch. START BR departed the site

1350 - START AJ, CF returned to the site.

1400 - RS03WT collected.

1447 - START AJ recorded # of soil/water IDW drums. 16 55-gal drums of soil, 6 55 gallons of water, 1 55 gal of PPE waste.

1535 - START AJ departs with samples to manchester.

1640 - START CF departs.

1710 - START BR departs, meets START AJ near manchester.

1759 - START BR departs to warehouse.

1900 - START BR arrives, unloads some equipment (TUA) and departs.

[signature]

5/15/08

07-01-0008 Bremerton Gasworks TBA 5/19/08

TARY - Bryce Robbot, Courtney Funk, Bryan Kasser

art Longyear - John + 2 workers

Cather - 70°F, high humidity

700 - STARY CF, BY arrive onsite

705 STARY BR arrives onsite

718 - Boart Longyear arrives onsite, prepares to drill.

745 - STARY BR pours trip blanks.

755 - Drilling begins at MP03, first sample collected by 0815.

900 - Groundwater encountered at MP03 @ 18.5 - 20 ft.

945 - STARY encountering difficulty in collecting a groundwater sample out of MP03, will inquire with drillers regarding best method for removing water. An additional water sample will be collected after drilling MP02, to allow time for GW recharge.

100 - Drilling begins at MP02, first sample collected by 1115.

220 - Contacted STARY R. Nordeen, regarding insufficient volume of water collected from MP03. Mrs. Nordeen advised STARY BR to send Gasoline, volatiles, metals, ~~semi~~ BR direct for analysis and to exclude SVOCs.

230 - Boart Longyears has finished sampling to 30 bgs, encountered no groundwater.

410 - City of Bremerton inspected patch work on roads

425 - Boart Longyear departed the site.

45 - STARY CF departs with samples to manchester.

35 - STARY BY departs with samples to FedEx, STARY BR departs to EPA R10 warehouse.

30 - STARY BR arrives at warehouse, departs in POV.

[signature]

5/19/08

07-01-0008 Bremerton Gasworks TBA 6/4/08

START - Bryce Robbert EPA - Joanne Labar

Weather - 55°F, light rain, heavy overcast

Re: Beach Sediment Sampling

0715 - Arrival at R10 warehouse.

0839 - START RN arrives at warehouse, assists with documentation, chain of custody.

0930 - START BR departs from warehouse.

1035 - START BR arrives on site, awaiting EPA Joanne Labar

1109 - EPA Joanne Labar arrives, meets with Tropp/Paul McCourtney to discuss site activities.

1210 - START BR / EPA JL arrive on Bremerton Washington Narrows beach front.

1235 Sample WN01SD collected, MS/MSD.
- Additional VOC sample collected @

1350 Sample WN02SD collected.

1408 - Sample WN03SD collected.

1431 - Sample WN04SD collected.

1455 - Sample WN05SD collected

1510 - Correction: WN01SD will be re-collected

~~1524~~ due to the incoming tide / error with sampling VOCs.

1524 - WN01SD re-collected.

1545 - EPA Joanne Labar departs the site

1610 - START noted a drain pipe near the Scotch property on the Washington Narrows.

1655 - Finished packing / labeling samples.

1715 - START departs from site.
- Samples were placed on ice in coolers.

[signature]

6-4-08 [signature]

End of Log book

[illegible]

8/12/09