FGPSF 1.8

ecology and environment, inc.

International Specialists in the Environment

Job Number _____

4th + Gambell Parking Lot

TDD: 12-01-0004

USEPA SF

1409883

E & E Job Number _____

Telephone Code Number _____

Site Name _____

_____

City/State _____

TDD _____

PAN _____

SSID _____

Start/Finish Date _____/_____

Book _____ of _____

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

4th & Gamble 7/9/12

0900 START Jeff Fetters (JF), Eric Nuchims (EN), Carl Overpeck (CO), and Jake Moersen (JM) at 4th and Gamble site preparing to collect sediment samples in ~~boat~~ JM 7/9/12 Ship Creek.

0905 START will follow 4th and Gamble Sampling and Quality Assurance Plan (SQAP) unless noted otherwise; specifically, photographs will include:

- date, time, and location of photo
- photographer (signature)
- weather conditions
- description of photo taken
- reasons why photo taken
- sequential number of photo
- camera lens system (not applicable)
- direction

Photo data may initially be collected on field form and transposed to log book afterwards.

0915 STARTs EN and JM depart parking lot to Ship Creek

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0915 (continued) to collect sediment samples. The creek is running quickly, and Alaska Railroad Corp environmental technician Erick White (EW) indicates that low tide may be a better time to sample sediment. EN, JM, and EW scout out the proposed sample locations and plan to sample later today when the tide is low.

1045 STARTS EN and JM return to parking lot to meet with JF and CO. EN and JM prepare to collect four soil samples from the duplexes immediately north of the parking lot. Each sample will include 1 - 2 oz jar and 3 EnCores, except for the MS/MSD with 1 - 2oz jar and 9 EnCores.

1125 EN collects PP0155 sample; JM creates GPS file "4th&Gamble_09JUL2012" on GPS receiver s/n S026486590, PN 70950-00, EPA ID A95158; JM collects point PP0155

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1140 EN collects PPØ2SS sample
JM creates GPS point PPØ2SS

1150 Approximate GPS points will be manually recorded in the logbook in case data file becomes corrupted.

- PPØ1SS lat: 61.21910710
  long: 149.86969456
- PPØ2SS lat: 61.21935326
  long: 149.86975035

1152 JM noticed GPS unit is 1 hour ahead. This will not be changed unless otherwise noted.

1200 EN collects PPØ3SS sample
JM collects GPS point PPØ3SS
~ lat: 61.21914167
~ long: 149.86939031

1210 EN collects PPØ4SS sample, includes MS/MSD.
JM creates GPS point PPØ4SS
~ lat: 61.21929754
~ long 149.86946744

1525 EN collects PPØ5SS sample
JM creates GPS point PPØ5SS
~ lat: 61.21915163

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1525 (continued) ~long 149.87191977

1545 EN collects PPØ655 sample

JM creates GPS point PPØ655

~lat: 61.21916722

~long: 149.87192320

1610 EN collects PPØ755 sample

EN creates PPØ755 GPS point

~lat: 61.21915264

~long: 149.87168117

1625 EN collects PPØ855 sample

JM creates PPØ855 GPS point

~lat: 61.21940848

~long: 149.87157466

1630 EN collects PPØ955 sample

JM creates PPØ955 GPS point

~lat: 61.21928610

~long: 149.87135296

1640 EN collects PP1Ø55 sample

JM creates PP1Ø55 GPS Point

~lat: 61.21941669

~long: 149.87135165

1650 EN collects PP1155 samples

JM creates PP1155 GPS point

~lat: 61.21914844

~long: 149.8739857

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1700 EN collects PP12SS sample
JM creates PP12SS GPS point
~lat: 61.21923542
~long: ~~149.871341000~~ JM 7/9/12
~long: 149.871341ØØ

170S Samples PPØ1SS - PP12SS were all collected at approximately 2" below surface depth.

180S EN makes trip blank TBØ1WT -- 3 voa vials of DI water

7/10/2012 4th & Gamble

0600 START EN, JF, and JM arrive on-site

0615 START EN & JM at Ship Creek to collect sediment samples; meet with ARC EW who will accompany START during START sediment sampling

0630 EN collects SCØ1SD sample
JM created new GPS file for today (4th & Gamble_10 JUL 2012)
JM creates SCØ1SD GPS point
~lat: 61.22320124
~long: 149.87776910

0640 EN collects SCØ2SD sample
JM created SCØ2SD GPS point
~lat: 61.22311415
~long: 149.87669778

0655 EN collects SCØ3SD sample
JM creates SCØ3SD GPS point
~lat: 61.22306526
~long: 149.87607752

0700 JM created SCØ3SD GPS point too far from sample location. Actual location was GPS point SCØ3SD_2 collected at 0700

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0700 (continued) Approximate coordinents for SCØ3SD-2
~lat: 61.22329163
~long: 149.87598308

0720 EN collects SCØ4SD sample
JM creates SCØ4SD GPS point
~lat: 61.22324668
~long: 149.87513675
Sample collected behind large rock in water, and only heavy flow would access this location.
Sample was collected where storm water outfall meets Ship Creek (see photo)

0735 EN collects SCØ5SD sample
JM creates SCØ5SD GPS point
~lat: 61.22344115
~long: 149.87377334

0750 EN collects SCØ6SD sample
JM creates SCØ6SD GPS point
~lat: 61.22368541
~long: 149.87276870

0800 EN collects SCØ7SD sample
JM creates SCØ7SD GPS point

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0800 (continued) ~lat: 61.22339599
~long: 149.87161862

0815 EN collects SCØ8SD sample
JM creates SCØ8SD GPS point
~lat: 61.22327881
~long: 149.87032961

0830 EN collects SCØ9SD sample
JM creates SCØ9SD GPS point
~lat: 61.22356109
~long: 149.86939439

0900 EN collects BKØ1SD sample for background sediment at upstream location near intersection of N Orca St and Viking Dr; this was MS/MSD location of 9 EnCores and 1-2 oz jar.
JM creates BKØ1SD GPS point
~lat: 61.22398307
~long: 149.85480200

1120 JM and CO prepare to install Gore soil gas monitors at 3' depth

1122 Gore Sample ØØ69ØØØ6 co-located with PPØ1SG

1130 JM and CO attempt to bore

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1130 (continued) 3' hole with Bosch Hammerdrill with 3' bit but the bit sheared from the drill and the hole was useless

1600 (approximate) JM, EN, and CO attempted to install soil gas samplers at PPØ1SG. The hole was pushed to 3' but would collapse to ~ 16" when the drill pulled out. It began to lightly rain, and JF arrived. It was decided to adjourn from soil gas sampling for the day, and try again tomorrow.

1630 At approximately 1540 JM collected GPS points at PPØ1SG - PPØ3SG, but did not write down lat/long. Since soil gas samplers were not installed at these locations today they <u>may</u> be re-GPS'd at a future date.

JM

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0700 START arrived on site

0720 (approximate) START has tail-gate health and safety meeting.

1040 JM collects ~~GPS~~ JM GPS point for summa canister on south side of Burger Jim's, BK010A

- Canister ID 2387
- Regulator ID 2387
- Sample ID BK010A

→ deployed 7/10/12 @ 15:44

~lat: 61.21822644

~long: 149.87055501

1045 JM collects GPS point for summa canister on west side of PIP Printing building, PP040A

- canister ID 33557
- regulator ID 33557
- sample ID. PP040A

→ deployed 7/10/12 @ 15:08

~lat: 61.21894556

~long: ~~149.87~~ JM 149.86800284

JM noticed employees of PIP Printing smoking cigarettes within 30-40' of the summa canister.

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1105 JM collects GPS point for summa canister in dirt parking west of PIP Printing, PPØ3OA

- canister ID 5752
- regulator ID 5752
- sample ID PPØ3OA
  - → deployed 7/10/12 @ 14:55 (time slightly illegible on tag)
  - ~lat: 61.21897185
  - ~long: 149.86859232

1400 JM collects PP19SS sample (3 encores and 1-2 oz)
JM creates PP19SS GPS point
~lat: 61.21926896
~long: 149.87051859

1415 JM collects PP2ØSS sample (3 encores and 1-2 oz)
JM creates PP2ØSS GPS point
~lat: 61.21907686
~long: 149.87035882

1426 JM retrieves Summa BKØ1OA
→ pressure -5.8 in Hg

1432 JM retrieves Summa PPØ4OA
→ pressure -5.9 in Hg

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1435 JM retrieves summa PPØ30A
→ pressure - 6.0 in Hg

1445 JM collects PP22SS sample
(3 encores and 1 - 2 oz)
JM creates PP22SS GPS point
~lat: 61.21ØØ6351
~long: 149.87Ø724ØØ

1505 JM collects PP21SS sample
(3 encores and 1 - 2 oz)
JM creates PP21SS GPS point
~lat: 61.21929968
~long: 149.87072320

Note: Samples PP19SS - PP22SS were collected at 6" below surface of ground

1530 JM creates BKØ1SB GPS point at location of today's first bore-hole at Burger Jim's restaurant.
~lat: 61.21837482
~long: 149.87Ø34618

1550 JM creates PPØ4~~SS~~ SG GPS point
~lat: 61.21910825
~long: 149.87170386

1552 JM creates PPØ5~~SS~~ SG GPS point

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1552 (continued) ~lat: 61.21932402
~long: 149.87153796

1555 JM creates PPØ6~~55~~ 5G GPS point
~lat: 61.21940876
~long: 149.87160810

1605 JM creates PPØ75G GPS Point
~lat: 61.21913343
~long: 149.87122462

1608 JM creates PPØ85G GPS Point
~lat: 61.21925167
~long: 149.87132820

1612 JM creates PPØ95G GPS Point
~lat: 61.21941806
~long: 149.87133108

1615 JM creates BHØ15B GPS Point
~lat: 61.21914361
~long: 149.87007233

1620 JM creates BHØ25B GPS Point
~lat: 61.21911291
~long: 149.87054325

1645 CO and JM deploy PP~~Ø~~Ø2OA
- canister and regulator ID's are 13865
- Pressure ~~> 30.0~~ < -30.0 in Hg
- create PP~~Ø~~Ø2OA GPS Point

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1645 (continued) ~lat: 61.21931068
~long: 149.87174656
- CO took photo NE facing down of summa after deployed.

1655 CO, JM, and JF deploy PPØ50A
- canister and regulator ID's 4176
- pressure -29.4 inHg
- create PPØ50A GPS Point
  ~lat: 61.21932817
  ~long: 149.87030118
- CO took photo SW of summa
- GPS point collected approx 12' east of summa b/c shed was blocking access to satellites

1708 CO and JM deploy PPØ60A
- canister and regulator ID's 1590
- pressure ~~-~~ <-30.0 inHg
- create PPØ60A GPS Point
  ~lat: 61.21971684
  ~long: 149.86866865
- CO took photo SE of summa
- site is located at location of former Native Hospital

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0705 JM and EN collect summa ~~PPØ8IA PPØ7IA~~ 2F, pressure < 0 in Hg

0710 JM and EN collect summa PPØ9IA, pressure - 8.8 in Hg

1625 JM collects summa PPØ2OA, pressure - 6.8 in Hg

1642 JM collects summa PPØ6OA, pressure - 7.0 in Hg

1655 JM collects summa PPØ5OA, pressure - 5.4 in Hg

1512 JM creates BHØ3SB GPS Point in file 4th&Gamble_12JUL2012 on GPS unit A95158

~lat: 61.21890462

~long: 149.86986652

1525 JM creates BHØ4SB GPS Point.

~lat: 61.21909847

~long: 149.87151277

1535 JM creates BHØ5SB GPS Point.

~lat: 61.21893749

~long: 149.87Ø7279Ø

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1105 JM creates BHØ6SB GPS point in file 4th&Gamble_BJUL2012 on GPS unit A95158
~lat: 61.21865139
~long: 149.86990746

1545 JM used TUA-1000 PID/FID to monitor air inside drum 1DØ3WT when it was first opened prior to pouring any investigative-derived waste (IDW). The TUA-1000 detected max concentrations of volatiles at 220 ppm on PID and 1188 ppm on FID.

1740 JM created BHØ7SB GPS point.
~lat: 61.21893564
~long: 149.87032369

1750 JM created BHØ8SB GPS point.
~lat: 61.21870225
~long: 149.87076635

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1400 JM creates GPS file
4th & Gamble_14JUL2012 on unit
EPA A95158.

1405 JM creates BH09SB GPS
point.
~lat: 61.21877730
~long: 149.87031210

1415 JM creates BH10SB GPS
point.
~lat: 61.21939343
~long: 149.86917469

7/11/12

12:45 commence PP09SG 1st hole 16" to refusal SD

13:00 deploy 2nd 18" to refusal core 00690008

13:15 ~~commence PP06SG~~ picture 09SG N

13:20 commence PP06SG -23" bgs to refusal

13:26 deploy 00690009 & pix NED

13:30 commence PP05SG -21" bgs to refusal

13:36 deploy 00690010 pix SED

13:45 commence PP04SG -25.5" bgs to refusal

14:00 deploy 00690010 pix V SD

14:05 commence PP01SG new hole -19" to refusal

14:20 deploy 00690005 pix V SED

14:30 commence PP02SG -20" to refusal

14:40 deploy 00690004 pix V NNW

15:05 Clean-out PP07 (deepest) -29.5 bgs

15:15 deploy 00690002 pix NE

7/11/12

PP01SG	1420	7-11-12	00690005	19"
PP02SG	1440	7-11-12	00690004	20"
PP03SG				
PP04SG	1400	7-11-12	00690010	25.5"
PP05SG	1336	7-11-12	00690010	21"
PP06SG	13:26	7-11-12	00690009	23"
PP07SG	15:15	7-11-12	00690002	20.5
PP08SG	11:31	7-11-12	00690007	24"
PP09SG	~~12:45~~ 1300	7-11-12	00690008	18"

16 CO

12:45 commence PP03 SG 1st 2 holes = 18" bgs
nearby spruce trees 3rd = 19"
1500 deploy 00690003 View SD
1515 de - regulate OA Sumas
1605 3 add'l Sumas ready
1615 to TTT w/drill
1640 return
1645 deploy PP02 ~~OA~~ 2 CO pix NG
1655 ~29" deploy PP05 ~~OA~~ pix SW
1708 31" deploy Native Hosp PP06 ~~OA~~ pix ESE 1590

CO 2.11.12

15:15
Matt Carr - Alyeska notified
requested SBCCs by 24th
P.O.C. Kim Kortenhof Fbx 450-7936
Boss Wes Wilson 450-5706
PS7 only FRP > 1,000,000

Jeff Fetters 360-981-6817
Eric Nuckiams 206 419 3415
Jake Moersen 303-653-4933 (personal cell)

Matt, Eric ⇒ ARRC
Glenn - Property Manager
Patrick - State Bldg Mngr
Russell - Geotech EM.81
Andy - PIP

7.10.12
14:55 Deploy ~~PP04~~ PP03 @ A0 Lot W of PIP Printing N Fence Center. -32" Hg #5752 can 1st Canister is a Dud (-7" Canister)

13:08 Deploy ~~PP05~~ PP04 @ A0 W Wall outside PIP Print
15 -31" Canr # 33557

15.44 Burger King - Patty behind business
Canr # 2387 -31"
~~PP05 A0 PRO~~ [BK010A]

7.11.12 1225 S Street. Milly's
BK01 IA
Can # ~~533470~~ 33330
0815 8:15 -32"
0830 to AIH SG plugs & vac
0900 set up on PPC75G w/Eric
0912 refusal 2 attempts to ~ 2' bgs
clean hole w Vac. Wiring noted.

0947 Replace ~~PP07~~ PP08 2 day 0" (can 5653314 Hydro
6'4" New ~~PP07~~ PP08 note only -24"
0950 Russell w/Geotek conducts SG locates
10:00 Set PP09 IA -32"
10:30 Return to 075G 4 attempts all refuse at ~ 2' bgs.
11:00 08 SG Cleared by Russell commence.
11:20 3 holes all refuse ~ 2 feet - deploy
00690007 Gove = 11.5" Hole 26
11:31 Install Complete 7.11.12

Recycled Paper / 568019