building.
0950 Collect sample SS-007-01.
1000 Collect sample SS-007-05.
1030 Collect sample SS-006-01.
1045 Collect sample SS-006-05.
Media crew on site filming sampling.
1100 Mob. to SS-004 in former ~~dry well~~ drainage ditch removal.
Native material at ~3' bgs
1135 Collect sample SS-004-03.
Groundwater at ~9' bgs.
1150 Collect sample SS-004-09.
• Note: SS-6 located at drain plug to haz. material storage building.
~~Steve Wesley~~ J
Rig battery not starting. Try jumping. Started after charging awhile.
1430 Resume work. Set up at SS-003 at end of freeze-thaw drain.

1445 Collect sample SS-003-01.
1455 Collect sample SS-003-05.
PID reading for soil from 5-9' bgs is 0 ppm.
Notes for today:
• Present on site: J. Rau, A Zabel, S. Wesley (all URS) M. Gross (USACE Portland), D. Edwards (USACE Portland for Media ~9-12 am), & 2 people from Geotech Expl.
• Level D PPE
• Weather now ~70s, breezy, partly sunny
• Pumping water from sump to sanitary sewer. Mike Gross rec'd permission verbally from City of Troutdale to release ~900 gallons to sewer. Using new sump pump and hose.
• When S. Wesley measured wells yesterday it appeared that 2 were dry. However,

wells had blockage and now can collect water level. Waiting to hear from USACE whether to sample these wells because there was grass in both wells.

1530 Mike Gross instructed us to sample above groundwater in new location (called SS-30) approximately 10' N. of SS-12.

1600 Sample SS-030-10. Mike Gross offsite at 1540. All samples collected today will be analyzed for VOCs, SVOCs, Pest & PCBs, metals + strontium & uranium, cyanide. Set up at SS-031, new location directed by Mike Gross, ~~450~~ N-NW of center of drywell at ~10' away.

1630 Sample SS-031-10. PID readings 0 for SS-30 & SS-31.

1700 Complete sampling for today. Call Mamie Brouwer to check in and tell her results for today. Clean up and depart site. Note: Drum containing soil cuttings labeled & staged inside oil storage building.

0730 Janette Rau & Andy Zabel of URS on site. Geo Tech contractor (Geoprobe) arrives shortly. Terry Jax

0745 Mike Gross (USACE Portland) on site.

Set up at SS-21 at former tank location.

0850 ~~1000~~ Collect sample SS-021-04 and SS-321-04 (duplicate time 0855). Collected duplicate plus MS/MSD for NWTPH-Dx. Samples to be analyzed for TPH, VOCs, and SVOCs.

0830 Mamie Brouwer (USACE Seattle) on site.

These samples in native material at the south end of tank where fill port was located.

0930 Set up at SS-32, additional

background sample in SW portion of site.

1000 Collected sample SS-032-01.

1035 Collected sample SS-032-14 directly above water table, as best we can determine. Water ~~at~~ between 12-14?, more like 14' bgs.

~1015 Mike Gross off site.

1100 Terry Jax replaced by driller Ryan _____.

1110 Set up at SS-2, backgrd. location in landfill at western end of ditch.

1130 Collect sample SS-002-01. Because of access and depth of ditch, sample collected on slope to ~3' bgs & material representative of ditch surface collected for analytical sample.

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9/7/01 Janette Rau

1210 Driller & Mamie Brouwer off site. Transfer soil cuttings to drum in oil storage building.

1215 J. Rau & A. Zabel offsite. Put fresh ice on samples. Deliver samples to laboratory enroute to Seattle.

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9/10/01 Janette Rau

0730 Janette Rau of URS and Ed Clark of Anderson Environmental on site. Excavator delivered on Friday from Halton Rental (1888 818 8000). CAT312B, unit #2931. 2 Buckets: small & large, both with Thumbs.

0800 George Lukert of URS stops by to drop off subcontract paperwork for Anderson Env.

0810 Conduct H&S briefing with Ed Clark. Janette discussed hazards specific to site, Ed discussed hazards associated with heavy equipment.

~~0830~~ - Mike Gross of USACE Portland District on site.

Mob to landfill. Anderson Envt. has work truck with trailer that has 500 gallon tank for water & steam cleaner.

0830 Mamie Brouwer of USACE

Seattle, Andy Zabel of URS on site.

0845 Decon excavator and buckets. Decon location chosen by Mike Gross & Janette Rau - located within fenced area ~ 100' into area. Mamie Brouwer indicated if we encounter contamination that we will need to contain decon water from excavator.

0910 Ed Clark offsite to get gas for hot water washer. Finish decon of bucket. Show Ed location of drums to move & where to move blackberry & other brush to, on east & west sides of landfill.

- Steve Wesley on site, pumping sump as on Thursday.
- Mike Gross contacting Cascade

Drilling to schedule them for redeveloping monitoring wells MW-4 & MW-3. Mike Gross & Mamie Brouwer & Janette visit MW-4 & talk to CH2MHill representative about accessing MW-4 from wastewater treatment plant construction site. He said yes.

1030 Andy Zabel & Steve Wesley sampling soil at transformer pad. Cut lock - replace with lock keyed alike with monitoring wells.

1050 Mark Ader (EPA) on site. Complete cleaning brush so entire landfill is exposed. Ed Clark being replaced by Allen Nisbet.

1200 Break for lunch. City of Troutdale says the manhole we've been pumping into is

not the correct one - use one to south of building. Steve Wesley will pump into drum then pump from drum into sanitary sewer.

1300 Begin trench TR-1 at NE portion of landfill on landing. Completed "trench log and data sheet." Native material at ~7' bgs.

1415 Collect sample SS-026-03 in native material.

1425 Collect sample SS-026-04. Complete collecting samples from trench TR-1. They will be analyzed for VOCs, SVOCs, metals, pest./PCBs, cyanide. Remove 2 drums from trench: one ~35 gallon with concrete, one empty 55-gal. bung-top drum.

1430 Rod Struck (DEQ-Oregon) on site.

1440 - One drum (55 gallon) has odor

(continued on page 26)

PHOTO LOG

1. Landfill, looking south from NW corner
2. Landfill, looking east (From top)
3. Landfill, looking east (From bottom).
4. Drums at N toe
5. Looking S from NE corner
6. Drums at SE portion of landfill
7. TR-1, approx. 4' depth (stockpile)
8. –
9. TR-1, native material at base
10. 55-gallon drum removed from TR-1, oily material on out side, odor
11. JAR sampling TR-2
12. TR-2 looking S-SW
13. Concrete from TR-2
14. TR-2 maximum depth
15/16. Containers from TR-3
17-19: drum staging

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Janette Rau

of petroleum, PID reading of ~600ppm inside drum.

1500 Collect sample SS-026-04/5 of soil directly below drum. Will be analyzed for VOCs, SVOCs, Pest. & PCBs, metals, cyanide, & NWTPH-Dx.

Samples from Trench TR-1 all collected from backhoe bucket, from soil not touching surface of bucket, using syringe for VOCs & decon'ed stainless steel spoon and bowl to composite for remaining sample.

1530 Backfilled trench TR-1.

1545 Mike Gross, Mamie Brouwer, Rod Struck, & Mark Ader off site.

Move 2 drums from TR-1 and stage on south portion of landfill.

1550 Decon excavator bucket.

1600 Allen Nesbit off site.

1630 J. Rau / A. Zabel off site; S. Wesley remains to continue pumping sump.

0730 Janette Rau, Andy Zabel of URS on site. Ed Clark of Anderson Environmental on site already.

Plan today is to continue trenching & moving drums and to sample soil from Umatilla soil, and to install microwells.

0800 Set up at TR-2 located in NW portion of landfill, & begin excavation.

Fill material consists of mostly of large rocks and concrete chunks, concrete cylinders, black plastic (similar to TR-1 but less debris).

0815 Collect sample SS-027-04 and duplicate SS-327-04. (time 0820). Analyses: VOCs, SVOCs, Pest & PCBs, metals, cyanide.

(from excavator bucket)

0840 Large pieces of concrete removed from TR-2 (up to 4'x4'x1').

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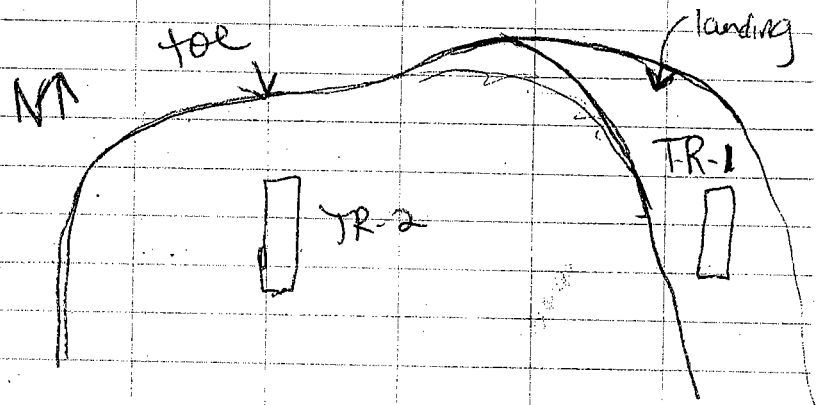
Janette Rau 9/11/01

Notes for today:
- Weather today: sunny, 70-80°F, little wind
- PID calibrated to 100 ppm isobutylene gas.
- Level B PPE
- Sketch of landfill:



0845 Debris increasing with depth: - large pieces of concrete as stated previously and more pieces

0900 Native material at ~12' bgs, collect samples SS-027-13. PID readings on all samples, breathing zone, and concrete is 0 ppm.

0930 Mark Ader (EPA) on site. Backfilling trench TR-2. Decon bucket, set up on TR-3, located in south portion of landfill.

1030 Encounter amber glass jars, approx. 8-10 ounces. One contains orange solid, possibly paint. Another one is missing lid and contains white solid similar to grease (PID ≈ 160). Another contains liquid that looks like oil, (PID at lid ≈ 20).

1050 Attempt to call Mike Gross but cannot reach him.

1100 Mike Gross called back - as long as H&S not violated, go ahead and collect samples as usual and add TPH analysis for both fill & native samples.

1130 Jim Anderson (Oregon DEQ) on site.

1140 Collect sample SS-028-05

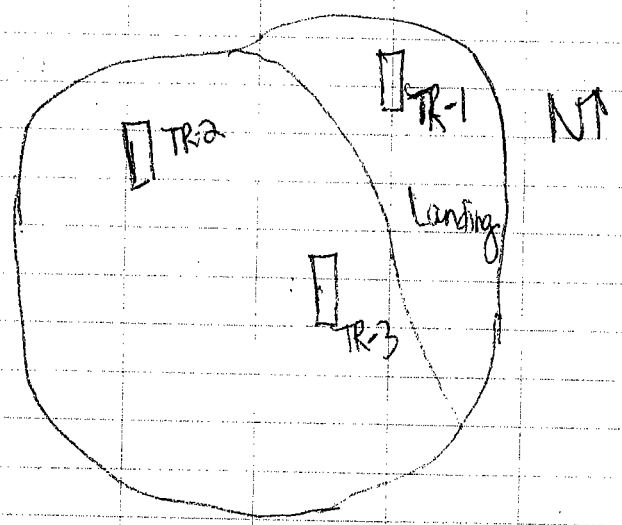
1215 Collected SS-028-11 — Sample will be analyzed for VOCs, SVOCs, Pest & PCBs, Metals, cyanide, & TPH.
Collected extra volume for MS/MSD.
1230 ~~1130~~ ~~1150~~ Show Umatilla soils to EPA & Oregon DEQ representatives.
1300 Collect rinsate sample from bowl & spoon decontaminated after use on sample SS-028-11, called SS-628-11.
Analyze for: VOCs, SVOCs, Pest & PCBs, metals, cyanide & TPH.
Return to landfill — excavator moves drums to designated staging area. Approx. 20 drums there to date.
Decontaminate excavator bucket; do not have time to complete another trench today.
1500 Ed Clark (Anderson Environ.) off site.
(Mark Adler & Jim Anderson

offsite at ~1230).
1530 Waiting for GeoTech Explorations to arrive to put in microwells and collect one more soil sample at background location SS-1.
1730 ~~In~~ Contractors arrive. Install MC-3 microwell located west of former laboratory, near doors. 15' prepacked screen (20/40 sand in ss. mesh, 3/4" id), 5' PVC riser, 20/40 sand to ~3' bgs, bentonite pellets to surface.
1815 Install MC-4 - same construction as MC-3, located NW of laboratory
1900 Install MC-5. (same construction) located ~~we~~ NW of laboratory
~~2000~~ 1930 Install MC-1 in former drainage ditch excavation, ~10' downgradient of SS-4, slightly on east slope.
~~1945~~ Install MC-2 in former drywell

1945 Complete installing 5 microwells. Move to SS-1 to collect deeper background sample.

2000 Collect sample SS-001-12, to be analyzed for VOCs, SVOCs, Pest. & PCBs, metals, cyanide.

2030 GeoTech & URS depart site.



0730 Janette Rau, Andy Zabel (URS) & Ed Clark (Anderson Envir.) onsite.
Phone Sound Analytical to discuss how to get additional sample containers (all flights suspended due to terrorist attacks in NY & Wash DC).

0800 Set up at TR-4, located in SW portion of landfill. Fill material consists of sandy gravel (cobbles to 5"), concrete, black plastic, metal strapping, other metal pieces.

0840 Collect sample SS-029-05 in ~~native~~ fill material.
To be analyzed for VOCs, SVOCs, Pest. & PCBs, metals, & cyanide. PID = Ø (trench, pile, & sample)
Mamie Brouwer on site.
Olsen Engineering (surveyors) onsite.

0900 Collect sample SS-029-10, in native material. Native material