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South Dayton Landfill

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Rite in the Rain
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CONTENTS

PAGE	REFERENCE	DATE
	OSC Steve Renninger 513-260-7849	
	PM: John Sherwood (Dynamic) - START - 513-703-3052	
	START: Randy Kirkland - 937-602-3087	
	Greg Rossos - 513-604-4757	

7-10-12 South Dayton Landfill (SDL) [illegible]

0734: Kirkland on site. Bloodhound already onsite & prepping utility locating equipment. Weather is sunny; ~77°F. Bloodhound to mark utilities w/in 10 ft radius of proposed geoprobe boring locations.

0750: Bloodhound completed locating around GP 2. Sewer line runs through marked point for sampling. GP2 offset 5 feet north of original proposed location. [illegible]

0815: Bloodhound completed locating around GP4. 2 sewer lines run near proposed location. GP4 offset 4 feet to the west. [illegible]

0830: Bloodhound completed locating around GP6. 2 sewer lines run near proposed location. GP6 offset ~3 ft west. [illegible]

0900: Bloodhound completed locating around GP1. No utilities found. [illegible]

0910: Bloodhound completed locating around GP3. Sewer line noted ~5 feet east of location.

0920: Bloodhound completed locating around GP5. Sewer noted ~5 ft east of boring location. [illegible]

0945: Bloodhound provided electronic copy of photos, field notes, site drawing, & finding to Kirkland.

0950: Kirkland & Bloodhound offsite. [illegible]

7-10-12

7-11-12 SDL [illegible]

1300 - Kirkland & Roussos arrived at 2220 E Dayton Rd. Weather is ~85°F & sunny. Kirkland & Roussos to install sub slab sampling port at Village Park Community office. Kirkland received signed access agreement left by owner.

1305 - Kirkland & Roussos began installation of sub-slab port. [illegible]

1315 - SS port installed [illegible]

1325 - Attached Summa # 21075 & Flow Controller # 214 (8-hr FC) to SS port. Initial Vac = 29" Hg. [illegible]

1340 - Helium leak check started on SS port & sampling train [illegible]

1344 - Helium leak check completed. He = 0 ppm in sampling train & 330,000 ppm inside container.

1405 - Mobilized from 2230 E Dayton Rd to 2245 E Dayton.

1410 - SS port installation began. [illegible]

1425 - SS port installed. Attached Summa # 5715 & FC # 00157. Initial vac = 30" Hg. [illegible]

1432 - Helium leak check started on SS port & sampling train [illegible]

1436 - Helium leak check complete. He = 0 ppm inside sampling train & He = 93,450 ppm inside container. [illegible]

Return to the Palm

7-11-12 SDL

1440 - Installation of 2nd SS port began.

1505 - SS port installation complete. Summa # 23882 & FC 00356 attached to SS port. Initial Vac = 30" Hg on FC guage.

1515 - Helium leak check started on SS port & sampling train

1519 - Helium leak check completed. He = 0ppm inside sampling train & 175,100 ppm with the box.

1520 - Kirkland & Rousseau departed site.

7-11-12

7-12-12 SDL

0915 - Kirkland & Rousseau onsite @ 2205 E Dryden Rd. Leak check began.

0918 - Helium leak check complete. He = >90,000 in box & 0 ppm inside sample train

0925 - Sample 2205A E Dryden road ~~[illegible]~~ [2205A Dryden-SS-071212] started. Initial Vac = 30" Hg

0933 - Leak check conducted at 2205B Dryden-SS-071212.

0937 - Leak check completed. He = 2.19%. He = 0ppm inside sample train. Sample 2205B Dryden-SS-071212 started.

1004 - Team at 2230 E Dryden Rd. Sample 2230Dryden-SS-071212 started.

1007 - Leak check completed. He = 7171,000 ppm inside box & He = 0ppm inside sample train.

1005 - Sample 2230Dryden-SS-071212 started initial Vac = 29" Hg

1735 - Sample ~~2205A Dryden Rd~~ 2205A Dryden-SS-071212 picked up. final Vac = 7" Hg.

1737 - Sample 2205B Dryden-SS-071212 picked up. final Vac = 8" Hg.

1806 - Sample 2230Dryden-SS-071212 picked up. final Vac = 6" Hg.

1815 - Kirkland departed site.

7-12-12

Rite in the Rain

7-19-12 South Dayton Landfill D. Rob

1130 @ 2232 E. River, 2373 E. River, 2391 E. River - CRA to install on 7/19. Citizen Hill representative - Dewitt _____. (J. Sherrard).

1140 @ 2373 E.R.R. w/ Dewitt (Citizen), Greg Lewis (CRA) and Bloodhound tech. Bloodhound using small GPR to detect rebar in basement floor. Lewis using MiniRAE and GEM2000 instruments; Lewis drills large hole 1st, then small hole; reports slab is 3-3 1/4" thick; cuts 2 7/8" probe; No putty used on probe fitting; finished install @ 1208 Owner not available or present; CRA reports no other probe installations are scheduled.

1220 Report observations to Sherrard and depart site.

7-19-12

7-23-12 South Dayton Landfill D. Rob

1400 @ Weston office (DOH). Bump test MultiRAE (Renninger - Circ), with 100 ppm isobutylene: 100 ppm = 113 ppm; Re-calibrate meter (Fresh Air Cal & 100 ppm isobutylene); 100 ppm = 101 ppm; Calibrate other 4 sensors CO @ 50 ppm = 50; H_2S @ 25 ppm = 25, LEL @ 50% = 49, O_2 @ 20.9 = 20.9%.

7-23-12

Rite in the Rain

7.24.12 South Dayton Landfill D. Robinson

0855 @ Weston DOH; Bump test MultiRAE (Renninger-CINC) w/ 100 ppm isobutylene; 100 ppm = 101 ppm

1020 Onsite @ 2233 E. River Rd. @ Site GP-1; Start up & check MultiRAE and GEM2000. Wx: 80°F, Lt. wind NW; Cloudy; P_B = 29.17" Hg (Kestrel 4000).

1030 Open GP-1; Conduct measurements. Left probe caused MultiRAE pump to fail; Completed measurements @ 1040; Sealed well and departed.

1049 @ Site GP-2; Only 12' and 16' probes in this location; no 8' probe; Complete readings at 1058, seal well and depart. Note: high CH_4 (17-22%) in these 2 probes.

1106 Return to GP-1 to check CH_4 measurements; all repeat CH_4 measurements were the same as the previous measurements.

1115 Storm with lightning in range; wait out storm in vehicle until 1145; leave site for lunch;

1220 Onsite @ GP4; Wx: Cloudy; v. lt. rain; lightning strike < 6 mi @ 1228; shelter in vehicle

1235 Depart for DOH office (lightning / rain).

7.24.12 South Dayton Landfill D. Robinson

1425 Onsite @ GP-4; conduct tests on all 3 probes; bump test GEM2000 CH_4 detector 2.5% CH_4 = 2.4% on meter; Seal well and depart at 1445.

1446 @ Site GP-3; Conduct measurements on all 3 probes; seal well and depart at 1519.

1504 Onsite @ GP-6; Conduct measurements on all 3 probes; seal well and depart @ 1519.

1521 @ ~~GP-2~~ GP-5; Conduct measurements on both probes (12 ft and 16 ft). Complete measurements, seal well and depart @ 1534.

1537 Onsite @ GP-2; Conduct measurements on both probes (duplicate/repeat of earlier); Bump test MultiRAE PID; 100 ppm isobutylene = 90.8 ppm Seal well and depart at 1558.

Note: P_B on Kestrel 4000 @ 1555 = 29.13" Hg

7.24.12

Rite in the Rain

7-31-12 SDL Kirkland

1330: Kirkland onsite. Weather is cloudy, ~85°F. Wind ~5-10 mph out of south. Kirkland met with Dawit ~~Tecle~~ Tecle + Greg Lewis. Tecle of CH_2MHill + Lewis of CLA. Tecle conducting oversight. Lewis conducting sampling.

1335 - Kirkland entered 2073 E River Rd w/ Lewis + Tecle. Lewis conducting leak check of ss probe installed in center of north area of basement. Leak check is using helium.

1350 - Leak check started. Leak check system (CLA's) photographed by Kirkland.

1400: Lewis indicated enclosure $He = 80\%$. Leak ~~check~~ check system is modified version of "Procase" used in soil gas sampling. Leak check sample collected in a Tedlar. ~~Teldar~~ Tedlar bag He = ~~[illegible]~~ 8150 ppm + ~~[illegible]~~. Field Screening conducted using Gem 2000; LEL = 0%. CH_4 = 0 ppm. Leak check standard is 10% of "Procase" concentration.

1405: Kirkland departed site.

7-31-12

8-7-12 SDL Kirkland

0643 - Kirkland on site. Weather is clear, 60°F, wind <5 mph out of south. Kirkland arrived at 1951 Dryden Rd + met w/ Lewis (CLA) + Tecle (CH_2MHill). CLA collecting samples from ~~[illegible]~~ SS, 2 ambient, + ~~[illegible]~~ IA locations (CLA stated "about 14 samples").

0700 - CLA continues w/ planned sampling.

0713 - CLA conducts field screening of probe A.

0720 - Field screening complete. PID = 2.1 ppm, O_2 = 8.0, CO_2 = 12 ppm, CH_4 = 0%. Sample 1951 Dryden-SS-080712 started.

0736 - Kirkland off site.

8-7-12 South Dayton Landfill P. Robin

0955 Onsite; Wx: 75F, Sunny, Lt. Winds West-
Meet Mgr and proceed to sample port C
on N. side of Bldg. CRA using port
to collect CH_4 sample in Tedlar bag.
Speak to Mgr (mike) of gun range
and leave access agreement - he will forward
to ~~#~~ 2 owner for signature. — R

1010 CRA finishes work. CRA plug in floor is
a 1/8" NPT versus our 1/4" NPT fitting. Can-
not connect to sampling port. Call Kirkland,
pack up and depart site at 1025. — R

1105 Return to bldg. w/ correct fittings; set up.
S.S. sample 2031 Dryden-SS-080712 at site
"C" in storage area. Initiate sample
@ 1115; Vacuum Gauge = 30" Hg. Pack
and leave site at 1125. — R

8-7-12

8/7/12 South Dayton Landfill

1505 on site at 1951 Dryden Rd. Weather
— is clear, 85°F, <5mph wind from
— west. CRA + Pulvit w/ CH2M Hill
— present. The regulator reads ~13"
— Hg vacuum remains. — [illegible]

1530 CRA summa canister at ~6" Hg,
— Weston can ~12" Hg. ~~closed both~~
~~— valves by CRA~~ —
— CRA closed both connisters and
— disassembled the duplicator tubing
— from the floor + cans. — [illegible]

1535 depart site for office — [illegible]

1600 final pressure of can checked with
— gauge. = -9.5" Hg. — [illegible]

Rite in the Rain

8-7-12 South Dayton Landfill D.R

1905 Arrive on-site and proceed to sample area in north bay of bldg. W_x: Clear, 91F, Lt winds/West. P_B = 29.27"Hg

1915 Stop sample 2031Dryden-SS-080712 and place plug in floor port. Secure sample, pack equipment and depart site at 1925. Note: got SIM Trainer owners name & address: Mr. Jeff Pedro, 296-6991.

8-7-12

8-8-12 South Dayton Landfill D. Robinson

0725 Onsite @ S&J Precision; Owner/Mgr. not yet. Proceed to N.W. area to sample port "B". W_x: 73F, P_B: 29.16"Hg; Clear; Calm winds.

0735 Start sample 2015 Dryden-SS-080812 @ 0735. 30"Hg @ start; pack equipment and depart site @ 0740.

1530 Onsite @ S&J Precision; Meet w/ John Haymaker (mgr.) and leave access agreement to sign (his wife is the owner).

1535 Retrieve sample from probe B on west side (NW) of Bldg. Secure port and sample and depart building at 1540.

Rite in the Rain

9-1-12 SDL Kirkland

1140 - START Randy Kirkland (RK) arrived on site. Weather is ~ 82°F, Humid, cloudy. RK arrived at GP-7.

1150 - RK Bump checked GEM 2000 (Horiba #0004364). CH_4 = 2.4% (Gal Bottle = 25%). Barometric Pressure via weather meter = 29.12" Hg. (RK)

1200 - RK opened well GP-7. GP-7 has 3 soil gas probes; 8', 12', + 16', nested. (RK)

1205 - Reading taken from 8' probe. CH_4 = 0%, O_2 = 10.5%. LEL = 0 (RK) (RK)

1208 - Reading taken from 12' probe. CH_4 = 0%, O_2 = 6.8%, LEL = 0, (RK)

1215 - Reading taken from 16' probe. CH_4 = 0%, O_2 = 6.0%, LEL = 0. (RK)

1218 - RK closed GP-7 + moved to well GP-2.

1225 - Reading taken from GP-2 12' probe. CH_4 = 1.1%, O_2 = 0%, LEL = 23%. (RK)

1229 - Reading taken from GP-2 16' probe. CH_4 = 3.0% O_2 = 0%, LEL = 69%. (RK)

1240 - RK closed well GP-2 + departed site.

9-1-12

9-4-12 SDL Kirkland

0955 - RK arrived on site. Weather is ~ 80°F, overcast + humid. RK arrived at GP-7.

1010 - RK bump checked GEM 2000 (Horiba # 0004364). CH_4 = 2.4% (Gal Bottle = 25%) Barometric Pressure is 29.10" Hg.

1030 RK took CH_4, O_2, + LEL reading from 3 probes in well; 12', 16', + 8'. 8' probe CH_4 = 0%, O_2 = 10.4%, LEL = 0. 12' probe CH_4 = 0%, O_2 = 7.4%, LEL = 0. 16' probe CH_4 = 0%, O_2 = 6.0%, LEL = 0.

1035 - RK closed cover on well GP-7 + moved to well GP-2. (RK)

1055 - Well GP-2 has 2 probes; 12' + 16'. 12' probe CH_4 = 1.8%, O_2 = 0.1%, LEL = 37% 16' probe CH_4 = 3.8%, O_2 = 0.2%, LEL = 76%

1100 - RK secured cover on well GP-2. RK departed site. (RK)

9-4-12

Rite in the Rain