

Bratcher, Mike, EMNRD

From: Ben J. Arguijo <bjarguijo@basinenv.com>
Sent: Thursday, August 09, 2012 10:11 AM
To: Bratcher, Mike, EMNRD
Subject: RE: PLU 78 SWD - Corrected Data Table
Attachments: PLU 78 SWD_Soil Chemistry Table.pdf

Mike,

Third time's the charm. Please ignore the file I sent you yesterday.

Please keep in mind that this is a work-in-progress and (most likely) not the version of the table that will be included in the closure request.

Thanks.

Ben

Ben J. Arguijo
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From: Ben J. Arguijo [<mailto:bjarguijo@basinenv.com>]
Sent: Wednesday, August 08, 2012 6:53 PM
To: 'Savoie, Tony A.'; 'Bratcher, Mike, EMNRD'
Subject: PLU 78 SWD - Corrected Data Table

Mike/Tony,

Per our meeting this morning, attached please find a corrected version of the analytical data table for the Poker Lake Unit #78 SWD site. The table includes the following changes:

- For the sake of clarity, soil samples *East PA* (collected 7/26/12) and *SB #2 Surface/EP. A 8'* (collected 8/3/12) have been renamed to *East Pooling Area* and *SB #2 Surface/East Pooling Area 8'*, respectively.
- The "Soil Status" for soil samples *East Pooling Area* (see above), *Manifold Floor 6'*, and *Manifold Floor 8'* (the latter 2 having been collected on 7/31/12) have been changed to "Excavated".
- The depths listed in the "Sample Depth (BGS)" column for soil borings SB-1 through SB-4 now reflect that the boreholes were drilled in the floor of the excavation. The depths for the samples from SB-5 were not changed, as the boring was drilled on the surface of the pad.

If you have any questions or problems, please let me know.

Thank you.

Ben

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TABLE 1

CONCENTRATIONS OF BENZENE, BTEX, TPH & CHLORIDE IN SOIL

BOPCO, LP
POKER LAKE UNIT #78 SWD
EDDY COUNTY, NEW MEXICO
NMOCD REFERENCE NO: 2RP-1190

| SAMPLE LOCATION | SAMPLE DEPTH (BGS) | SAMPLE DATE | SOIL STATUS | METHOD: EPA SW 846-8021B, 5030 | | | | | METHOD: 8015M | | | TOTAL | E 300 |
|-----------------|--------------------|-------------|-------------|--------------------------------|-----------------|-----------------------|-----------------------|--------------------|---|--|--|---|------------------|
| | | | | BENZENE (mg/Kg) | TOLUENE (mg/Kg) | ETHYL-BENZENE (mg/Kg) | TOTAL XYLENES (mg/Kg) | TOTAL BTEX (mg/Kg) | GRO C ₆ -C ₁₂ (mg/Kg) | DRO C ₁₂ -C ₂₈ (mg/Kg) | ORO C ₂₈ -C ₃₅ (mg/Kg) | TPH C ₆ -C ₃₅ (mg/Kg) | CHLORIDE (mg/Kg) |
| Sample #1 @ 1' | 1' | 5/31/2012 | In-Situ | - | - | - | - | - | 2,800 | 10,600 | 1,370 | 14,770 | 11,600 |
| Sample #1 @ 5' | 5' | 5/31/2012 | In-Situ | <0.050 | <0.050 | <0.050 | <0.150 | <0.150 | <10.0 | <10.0 | <10.0 | <10.0 | 336 |
| Sample #2 @ 1' | 1' | 5/31/2012 | In-Situ | - | - | - | - | - | <10.0 | 29.3 | 14.1 | 43.4 | 2,720 |
| Sample #2 @ 5' | 5' | 5/31/2012 | In-Situ | - | - | - | - | - | <10.0 | 13.5 | 26.4 | 39.9 | 160 |
| Sample #3 @ 1' | 1' | 5/31/2012 | In-Situ | - | - | - | - | - | <10.0 | 73.8 | 22.6 | 96.4 | 11,900 |
| Sample #3 @ 5' | 5' | 5/31/2012 | In-Situ | - | - | - | - | - | <10.0 | <10.0 | <10.0 | <10.0 | 5,600 |
| Sample #3 @ 10' | 10' | 5/31/2012 | In-Situ | <0.050 | <0.050 | <0.050 | <0.150 | <0.150 | <10.0 | <10.0 | <10.0 | <10.0 | 2,480 |
| Sample #4 @ 1' | 1' | 5/31/2012 | In-Situ | - | - | - | - | - | <10.0 | 327 | 85.7 | 413 | 30,000 |
| Sample #4 @ 5' | 5' | 5/31/2012 | In-Situ | - | - | - | - | - | <10.0 | <10.0 | <10.0 | <10.0 | 320 |
| Sample #1 | 4' | 7/26/2012 | In-Situ | - | - | - | - | - | <10.0 | 13 | 18.7 | 31.7 | 400 |
| Sample #2 | 4' | 7/26/2012 | In-Situ | - | - | - | - | - | <10.0 | <10.0 | <10.0 | <10.0 | 192 |
| Sample #3 | 4' | 7/26/2012 | In-Situ | - | - | - | - | - | <10.0 | <10.0 | <10.0 | <10.0 | 256 |
| Sample #4 | 4' | 7/26/2012 | In-Situ | - | - | - | - | - | <10.0 | <10.0 | <10.0 | <10.0 | 144 |
| Sample #5 | 4' | 7/26/2012 | In-Situ | - | - | - | - | - | <10.0 | <10.0 | <10.0 | <10.0 | 656 |
| Sample #6 | 4' | 7/26/2012 | In-Situ | - | - | - | - | - | <10.0 | <10.0 | <10.0 | <10.0 | 544 |
| Sample #7 | 4' | 7/26/2012 | In-Situ | - | - | - | - | - | <10.0 | <10.0 | <10.0 | <10.0 | 384 |
| Sample #8 | 4' | 7/26/2012 | In-Situ | - | - | - | - | - | <10.0 | <10.0 | <10.0 | <10.0 | 144 |
| Sample #9 | 4' | 7/26/2012 | In-Situ | - | - | - | - | - | <10.0 | <10.0 | <10.0 | <10.0 | 608 |
| Sample #10 | 4' | 7/26/2012 | In-Situ | - | - | - | - | - | <10.0 | <10.0 | <10.0 | <10.0 | 416 |
| Sample #11 | 4' | 7/26/2012 | In-Situ | - | - | - | - | - | <10.0 | <10.0 | <10.0 | <10.0 | 288 |
| Sample #13 | 4' | 7/26/2012 | In-Situ | - | - | - | - | - | <10.0 | <10.0 | <10.0 | <10.0 | 432 |
| Sample #14 | 4' | 7/26/2012 | In-Situ | - | - | - | - | - | <10.0 | <10.0 | <10.0 | <10.0 | 304 |
| Sample #15 | 4' | 7/26/2012 | In-Situ | - | - | - | - | - | <10.0 | <10.0 | <10.0 | <10.0 | 656 |
| Sample #16 | 4' | 7/26/2012 | In-Situ | - | - | - | - | - | <10.0 | <10.0 | <10.0 | <10.0 | 528 |
| Sample #17 | 4' | 7/26/2012 | In-Situ | - | - | - | - | - | <10.0 | <10.0 | <10.0 | <10.0 | 48.0 |
| Sample #18 | 4' | 7/26/2012 | In-Situ | - | - | - | - | - | <10.0 | <10.0 | <10.0 | <10.0 | 176 |
| Sample #19 | 4' | 7/26/2012 | In-Situ | - | - | - | - | - | <10.0 | <10.0 | <10.0 | <10.0 | 160 |
| Sample #20 | 4' | 7/26/2012 | In-Situ | - | - | - | - | - | <10.0 | <10.0 | <10.0 | <10.0 | <16.0 |
| Sample #21 | 4' | 7/26/2012 | In-Situ | - | - | - | - | - | <10.0 | 16.5 | <10.0 | 16.5 | 128 |
| Sample #22 | 4' | 7/26/2012 | In-Situ | - | - | - | - | - | <10.0 | <10.0 | <10.0 | <10.0 | <16.0 |
| Sample #23 | 4' | 7/26/2012 | In-Situ | - | - | - | - | - | <10.0 | <10.0 | <10.0 | <10.0 | <16.0 |
| Sample #24 | 4' | 7/26/2012 | In-Situ | - | - | - | - | - | 28.3 | 82.1 | <10.0 | 110 | <16.0 |
| Sample #25 | 4' | 7/26/2012 | In-Situ | - | - | - | - | - | <10.0 | <10.0 | <10.0 | <10.0 | 592 |
| Sample #26 | 4' | 7/26/2012 | In-Situ | - | - | - | - | - | <10.0 | <10.0 | <10.0 | <10.0 | 8,660 |
| Sample #29 | 4' | 7/26/2012 | In-Situ | - | - | - | - | - | <10.0 | 21.1 | <10.0 | 21.1 | 256 |
| Sample #30 | 4' | 7/26/2012 | In-Situ | - | - | - | - | - | <10.0 | 22.5 | <10.0 | 22.5 | 1,680 |
| Sample #31 | 4' | 7/26/2012 | In-Situ | - | - | - | - | - | <10.0 | 11.9 | <10.0 | 11.9 | 160 |
| Sample #32 | 4' | 7/26/2012 | In-Situ | - | - | - | - | - | <10.0 | <10.0 | <10.0 | <10.0 | 9,330 |
| Sample #33 | 4' | 7/26/2012 | In-Situ | - | - | - | - | - | <10.0 | <10.0 | <10.0 | <10.0 | 96.0 |
| Sample #34 | 4' | 7/26/2012 | In-Situ | - | - | - | - | - | <10.0 | <10.0 | <10.0 | <10.0 | 80.0 |
| Sample #35 | 4' | 7/26/2012 | In-Situ | - | - | - | - | - | <10.0 | <10.0 | <10.0 | <10.0 | 128 |

TABLE 1

CONCENTRATIONS OF BENZENE, BTEX, TPH & CHLORIDE IN SOIL

BOPCO, LP
 POKER LAKE UNIT #78 SWD
 EDDY COUNTY, NEW MEXICO
 NMOCD REFERENCE NO: 2RP-1190

| SAMPLE LOCATION | SAMPLE DEPTH (BGS) | SAMPLE DATE | SOIL STATUS | METHOD: EPA SW 846-8021B, 5030 | | | | | METHOD: 8015M | | | TOTAL TPH | E 300 |
|-------------------|--------------------|-------------|-------------|--------------------------------|-----------------|-----------------------|-----------------------|--------------------|---|--|--|---|------------------|
| | | | | BENZENE (mg/Kg) | TOLUENE (mg/Kg) | ETHYL-BENZENE (mg/Kg) | TOTAL XYLENES (mg/Kg) | TOTAL BTEX (mg/Kg) | GRO C ₆ -C ₁₂ (mg/Kg) | DRO C ₁₂ -C ₂₈ (mg/Kg) | ORO C ₂₈ -C ₃₅ (mg/Kg) | C ₆ -C ₃₅ (mg/Kg) | CHLORIDE (mg/Kg) |
| Sample #36 | 4' | 7/26/2012 | In-Situ | - | - | - | - | - | <10.0 | <10.0 | <10.0 | <10.0 | 80.0 |
| Sample #37 | 4' | 7/26/2012 | In-Situ | - | - | - | - | - | <10.0 | <10.0 | <10.0 | <10.0 | 50,400 |
| Sample #38 | 4' | 7/26/2012 | In-Situ | - | - | - | - | - | <10.0 | <10.0 | <10.0 | <10.0 | 58,400 |
| Sample #39 | 4' | 7/26/2012 | In-Situ | - | - | - | - | - | <10.0 | <10.0 | <10.0 | <10.0 | 448 |
| East Pooling Area | 4' | 7/26/2012 | Excavated | - | - | - | - | - | 1,220 | 5,740 | 805 | 7,765 | 48.0 |
| Manifold Floor 6' | 6' | 7/31/2012 | Excavated | - | - | - | - | - | 4,720 | 13,800 | 2,050 | 20,570 | 176 |
| Manifold Floor 8' | 8' | 7/31/2012 | Excavated | - | - | - | - | - | 15,500 | 28,100 | 4,440 | 48,040 | 176 |
| SB-1 @ 5' * | 10' | 8/1/2012 | In-Situ | - | - | - | - | - | <10.0 | <10.0 | <10.0 | <10.0 | 256 |
| SB-1 @ 10' * | 15' | 8/1/2012 | In-Situ | <0.050 | <0.050 | <0.050 | <0.150 | <0.150 | <10.0 | 10.5 | <10.0 | 10.5 | 1,300 |
| SB-1 @ 15' * | 20' | 8/1/2012 | In-Situ | - | - | - | - | - | - | - | - | - | 48.0 |
| SB-1 @ 20' * | 25' | 8/1/2012 | In-Situ | <0.050 | <0.050 | <0.050 | <0.150 | <0.150 | <10.0 | <10.0 | <10.0 | <10.0 | 32.0 |
| SB-2 @ 5' * | 10' | 8/1/2012 | In-Situ | - | - | - | - | - | <10.0 | <10.0 | <10.0 | <10.0 | 864 |
| SB-2 @ 10' * | 15' | 8/1/2012 | In-Situ | <0.050 | <0.050 | <0.050 | <0.150 | <0.150 | <10.0 | <10.0 | <10.0 | <10.0 | 2,200 |
| SB-2 @ 15' * | 20' | 8/1/2012 | In-Situ | - | - | - | - | - | - | - | - | - | 3,560 |
| SB-2 @ 20' * | 25' | 8/1/2012 | In-Situ | <0.050 | <0.050 | <0.050 | <0.150 | <0.150 | <10.0 | <10.0 | <10.0 | <10.0 | 1,040 |
| SB-3 @ 5' * | 10' | 8/1/2012 | In-Situ | - | - | - | - | - | <10.0 | <10.0 | <10.0 | <10.0 | 1,060 |
| SB-3 @ 10' * | 15' | 8/1/2012 | In-Situ | <0.050 | <0.050 | <0.050 | <0.150 | <0.150 | <10.0 | <10.0 | <10.0 | <10.0 | 1,470 |
| SB-3 @ 15' * | 20' | 8/1/2012 | In-Situ | - | - | - | - | - | - | - | - | - | 1,250 |
| SB-3 @ 20' * | 25' | 8/1/2012 | In-Situ | - | - | - | - | - | - | - | - | - | 576 |
| SB-3 @ 25' * | 30' | 8/1/2012 | In-Situ | <0.050 | <0.050 | <0.050 | <0.150 | <0.150 | <10.0 | 189 | 407 | 596 | 128 |
| SB-4 @ 5' * | 10' | 8/1/2012 | In-Situ | - | - | - | - | - | <10.0 | 32.8 | 86.3 | 119 | 1,360 |
| SB-4 @ 10' * | 15' | 8/1/2012 | In-Situ | <0.050 | <0.050 | <0.050 | <0.150 | <0.150 | <10.0 | 11.1 | 23.9 | 35.0 | 384 |
| SB-4 @ 15' * | 20' | 8/1/2012 | In-Situ | - | - | - | - | - | - | - | - | - | 240 |
| SB-4 @ 20' * | 25' | 8/1/2012 | In-Situ | - | - | - | - | - | - | - | - | - | 240 |
| SB-4 @ 25' * | 30' | 8/1/2012 | In-Situ | <0.050 | <0.050 | <0.050 | <0.150 | <0.150 | <10.0 | <10.0 | 10.3 | 10.3 | 112 |
| SB-5 @ 5' | 5' | 8/1/2012 | In-Situ | - | - | - | - | - | <10.0 | 19.4 | 18.1 | 37.5 | 1,340 |
| SB-5 @ 10' | 10' | 8/1/2012 | In-Situ | <0.050 | <0.050 | <0.050 | <0.150 | <0.150 | <10.0 | <10.0 | <10.0 | <10.0 | 2,520 |
| SB-5 @ 15' | 15' | 8/1/2012 | In-Situ | - | - | - | - | - | - | - | - | - | 1,630 |
| SB-5 @ 20' | 20' | 8/1/2012 | In-Situ | - | - | - | - | - | - | - | - | - | 208 |
| SB-5 @ 25' | 25' | 8/1/2012 | In-Situ | <0.050 | <0.050 | <0.050 | <0.150 | <0.150 | <10.0 | <10.0 | <10.0 | <10.0 | 176 |
| Sample #12 | 4' | 8/3/2012 | In-Situ | - | - | - | - | - | <10.0 | <10.0 | <10.0 | <10.0 | 7,280 |
| Sample #40 | 4' | 8/3/2012 | In-Situ | - | - | - | - | - | <10.0 | <10.0 | <10.0 | <10.0 | 480 |
| Sample #41 | 4' | 8/3/2012 | In-Situ | - | - | - | - | - | <10.0 | <10.0 | <10.0 | <10.0 | 688 |
| Sample #42 | 4' | 8/3/2012 | In-Situ | - | - | - | - | - | <10.0 | <10.0 | <10.0 | <10.0 | 1,220 |
| Sample #43 | 4' | 8/3/2012 | In-Situ | - | - | - | - | - | <10.0 | <10.0 | <10.0 | <10.0 | 944 |

TABLE 1

CONCENTRATIONS OF BENZENE, BTEX, TPH & CHLORIDE IN SOIL

BOPCO, LP
 POKER LAKE UNIT #78 SWD
 EDDY COUNTY, NEW MEXICO
 NMOCD REFERENCE NO: 2RP-1190

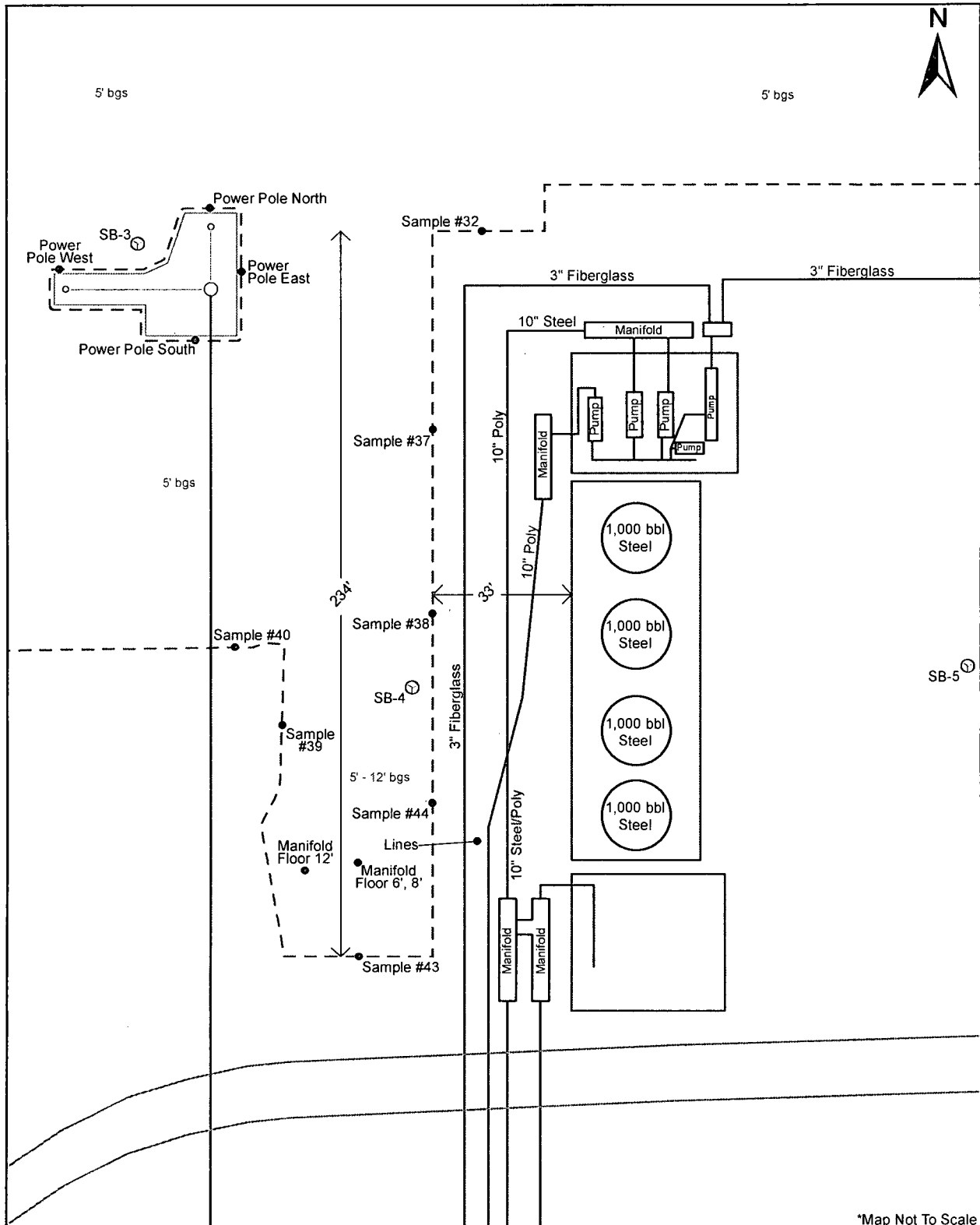
| SAMPLE LOCATION | SAMPLE DEPTH (BGS) | SAMPLE DATE | SOIL STATUS | METHOD: EPA SW 846-8021B, 5030 | | | | | METHOD: 8015M | | | TOTAL TPH C ₆ -C ₃₅ (mg/Kg) | E 300 CHLORIDE (mg/Kg) |
|---------------------------------------|--------------------|-------------|-------------|--------------------------------|-----------------|-----------------------|-----------------------|--------------------|---|--|--|---|------------------------|
| | | | | BENZENE (mg/Kg) | TOLUENE (mg/Kg) | ETHYL-BENZENE (mg/Kg) | TOTAL XYLENES (mg/Kg) | TOTAL BTEX (mg/Kg) | GRO C ₆ -C ₁₂ (mg/Kg) | DRO C ₁₂ -C ₂₈ (mg/Kg) | ORO C ₂₈ -C ₃₅ (mg/Kg) | | |
| Sample #44 | 4' | 8/3/2012 | In-Situ | - | - | - | - | - | <10.0 | <10.0 | <10.0 | <10.0 | 25,200 |
| Manifold Floor 12' | 12' | 8/3/2012 | In-Situ | - | - | - | - | - | <10.0 | 429 | 98.5 | 528 | 96.0 |
| SB #1 Surface ** | 5' | 8/3/2012 | In-Situ | - | - | - | - | - | <10.0 | 703 | 176 | 879 | 36,000 |
| SB #2 Surface/East Pooling Area 8' ** | 8' | 8/3/2012 | In-Situ | - | - | - | - | - | <10.0 | 337 | 126 | 463 | 1,560 |
| SB #3 Surface ** | 5' | 8/3/2012 | In-Situ | - | - | - | - | - | <10.0 | 153 | 82.7 | 236 | 61,600 |
| SB #4 Surface ** | 5' | 8/3/2012 | In-Situ | - | - | - | - | - | <10.0 | 1,310 | 320 | 1,630 | 20,000 |
| Power Pole North | 4' | 8/3/2012 | In-Situ | - | - | - | - | - | <10.0 | 15.2 | 42.7 | 57.9 | 40,000 |
| Power Pole South | 4' | 8/3/2012 | In-Situ | - | - | - | - | - | <10.0 | <10.0 | 18.2 | 18.2 | 37,600 |
| Power Pole East | 4' | 8/3/2012 | In-Situ | - | - | - | - | - | <10.0 | <10.0 | 10.0 | 10.0 | 48,000 |
| Power Pole West | 4' | 8/3/2012 | In-Situ | - | - | - | - | - | <10.0 | <10.0 | <10.0 | <10.0 | 43,200 |
| Lines | 0.5' | 8/3/2012 | In-Situ | - | - | - | - | - | 52.4 | 14,900 | 3,980 | 18,880 | 10,100 |
| | | | | | | | | | | | | | |
| NMOCD Regulatory Standard | | | | 10 | | | | 50 | | | | 5,000 | 1,000 |

Notes:

- Not analyzed.

* Indicates drilling depth. Soil borings were advanced in the floor of the excavation, approximately five feet (5') below ground surface (bgs).

** Due to the presence of a layer of pad sand in the floor of the excavation on the drilling date (August 1, 2012), soil samples could not be collected from the drilling surface (i.e., the floor of the excavation). On August 3, 2012, heavy equipment was utilized to remove the layer of pad sand in order to collect a sample of native, in-situ soil from the floor of the excavation.



*Map Not To Scale

Legend:

- - - Excavation Extent
- Pipeline
- Road
- Steel Berm
- Soil Island
- Power Line
- Guy-Wire
- Sample Location
- ⊙ Soil Boring

Figure 2
Site & Sample Location Map
BOPCO, LP
Poker Lake Unit #78 SWD
Eddy County, New Mexico
NMOCD Ref.#: 2RP-1190



Basin Environmental Service Technologies
 3100 Plains Hwy.
 Lovington, NM 88260

| | |
|----------------|-----------------|
| Drawn By: BJA | Checked By: BRB |
| August 7, 2012 | |

Bratcher, Mike, EMNRD

From: Ben J. Arguijo <bjarguijo@basinenv.com>
Sent: Thursday, August 16, 2012 2:47 PM
To: Bratcher, Mike, EMNRD
Cc: 'Savoie, Tony A.'
Subject: PLU #78 SWD - Grid sampling
Attachments: PLU 78 SWD_Grid Field Test Results.pdf; PLU 78 SWD_Grid Map_HandDrawn.pdf; PLU 78 SWD_Soil Chemistry Table.pdf

Mr. Bratcher,

Per our meeting on 8/8/2012, attached please find a spreadsheet listing chloride field-test results from the grid sampling event that we (Basin Environmental) conducted at the Poker Lake Unit #78 SWD release site earlier this week. I have attached a field sketch showing the locations of the delineation trenches and the soil borings that were drilled on 8/1/2012.

As you will see from the sketch, the excavation (excluding the area directly to the northeast of the tank battery, which, per our discussion, was outside the area of interest) was divided into eight (8) grids, with a minimum of two (2) delineation trenches per grid. In areas where only two (2) delineation trenches were excavated, representative soil samples had previously been collected from soil borings during the 8/1/2012 drilling event. The brown areas on the map indicate soil islands that are either clean or have been remediated to the extent practicable.

The delineation trenches were advanced in the floor of the excavation at approximately 5' bgs and along approximately 50' north-to-south horizontal intervals. East-to-west horizontal intervals and the orientation/number of trenches varied from grid to grid and were determined by previous field-screen results, flow path direction, and/or other factors.

The delineation trenches measured approximately 20' x 6', on average, and were advanced to a minimum of 10' bgs (with a maximum depth of 25' bgs in Grid 6 – Trench 3). Composite soil samples were initially collected from the floors of the trenches at both 7' and 10' bgs and field-screened. The delineation trenches were then advanced incrementally to 12', 15', 20', and 25' bgs until field-screens indicated chloride concentrations were at or below the NMOCD-approved level of 3,500 – 5,000 mg/Kg.

Twenty-two (22) of the composite soil samples were submitted to Xenco Laboratories (Hobbs) for confirmation chloride analyses. These samples are indicated with an "*" in the attached field test data table.

Tony Savoie and I would like to speak with you to determine the next course of action for this site. When would be a good time for a conference call?

I have also attached an updated soil chemistry analytical data table for your convenience.

Thank you for your consideration.

Ben J. Arguijo

Ben J. Arguijo
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Bratcher, Mike, EMNRD

From: Bratcher, Mike, EMNRD
Sent: Thursday, August 16, 2012 4:49 PM
To: 'bjarguijo@basinenv.com'
Cc: 'Savoie, Tony A.'
Subject: RE: PLU #78 SWD - Grid sampling

Ben,

I will be out of the office until Tuesday (8/21). If you would, touch base with me then and we can set something up. I will need to review the project some before discussing.

Thanks,

Mike Bratcher
NMOCD District 2
811 S. First Street
Artesia, NM 88210
O: 575-748-1283 X108
C: 575-626-0857
F: 575-748-9720

From: Ben J. Arguijo [<mailto:bjarguijo@basinenv.com>]
Sent: Thursday, August 16, 2012 2:47 PM
To: Bratcher, Mike, EMNRD
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Per our meeting on 8/8/2012, attached please find a spreadsheet listing chloride field-test results from the grid sampling event that we (Basin Environmental) conducted at the Poker Lake Unit #78 SWD release site earlier this week. I have attached a field sketch showing the locations of the delineation trenches and the soil borings that were drilled on 8/1/2012.

As you will see from the sketch, the excavation (excluding the area directly to the northeast of the tank battery, which, per our discussion, was outside the area of interest) was divided into eight (8) grids, with a minimum of two (2) delineation trenches per grid. In areas where only two (2) delineation trenches were excavated, representative soil samples had previously been collected from soil borings during the 8/1/2012 drilling event. The brown areas on the map indicate soil islands that are either clean or have been remediated to the extent practicable.

The delineation trenches were advanced in the floor of the excavation at approximately 5' bgs and along approximately 50' north-to-south horizontal intervals. East-to-west horizontal intervals and the orientation/number of trenches varied from grid to grid and were determined by previous field-screen results, flow path direction, and/or other factors.

The delineation trenches measured approximately 20' x 6', on average, and were advanced to a minimum of 10' bgs (with a maximum depth of 25' bgs in Grid 6 – Trench 3). Composite soil samples were initially collected from the floors of the trenches at both 7' and 10' bgs and field-screened. The delineation trenches were then advanced incrementally to

12', 15', 20', and 25' bgs until field-screens indicated chloride concentrations were at or below the NMOCD-approved level of 3,500 – 5,000 mg/Kg.

Twenty-two (22) of the composite soil samples were submitted to Xenco Laboratories (Hobbs) for confirmation chloride analyses. These samples are indicated with an "*" in the attached field test data table.

Tony Savoie and I would like to speak with you to determine the next course of action for this site. When would be a good time for a conference call?

I have also attached an updated soil chemistry analytical data table for your convenience.

Thank you for your consideration.

Ben J. Arguijo

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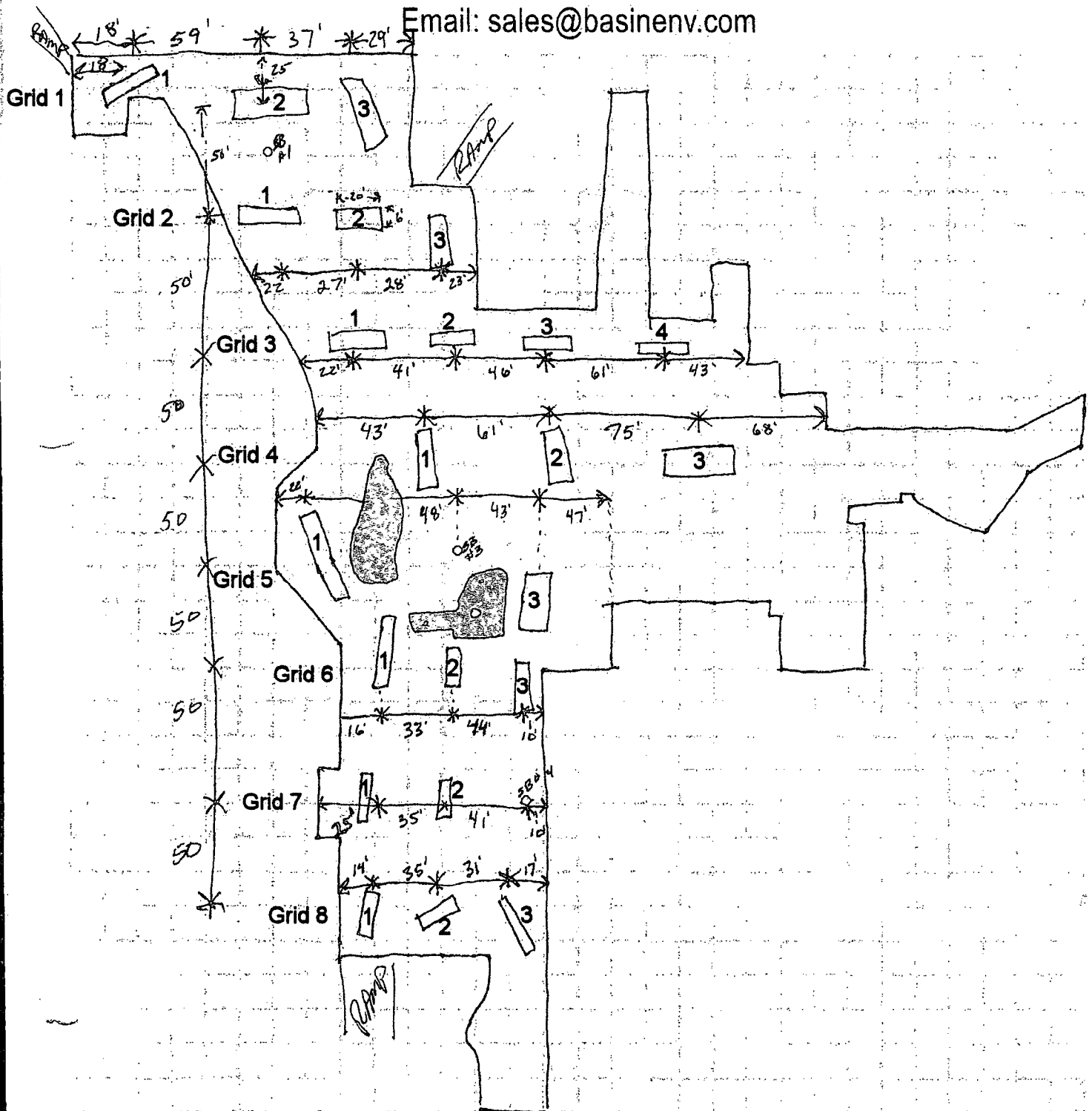


TABLE 1

CONCENTRATIONS OF BENZENE, BTEX, TPH & CHLORIDE IN SOIL

BOPCO, LP
 POKER LAKE UNIT #78 SWD
 EDDY COUNTY, NEW MEXICO
 NMOCD REFERENCE NO: 2RP-1190

| SAMPLE LOCATION | SAMPLE DEPTH (BGS) | SAMPLE DATE | SOIL STATUS | METHOD: EPA SW 846-8021B, 5030 | | | | | METHOD: 8015M | | | TOTAL TPH | E 300 |
|-----------------|--------------------|-------------|-------------|--------------------------------|-----------------|-----------------------|-----------------------|--------------------|---|--|--|---|------------------|
| | | | | BENZENE (mg/Kg) | TOLUENE (mg/Kg) | ETHYL-BENZENE (mg/Kg) | TOTAL XYLENES (mg/Kg) | TOTAL BTEX (mg/Kg) | GRO C ₆ -C ₁₂ (mg/Kg) | DRO C ₁₂ -C ₂₈ (mg/Kg) | ORO C ₂₈ -C ₃₅ (mg/Kg) | C ₆ -C ₃₅ (mg/Kg) | CHLORIDE (mg/Kg) |
| Sample #1 @ 1' | 1' | 5/31/2012 | In-Situ | - | - | - | - | - | 2,800 | 10,600 | 1,370 | 14,770 | 11,600 |
| Sample #1 @ 5' | 5' | 5/31/2012 | In-Situ | <0.050 | <0.050 | <0.050 | <0.150 | <0.150 | <10.0 | <10.0 | <10.0 | <10.0 | 336 |
| Sample #2 @ 1' | 1' | 5/31/2012 | In-Situ | - | - | - | - | - | <10.0 | 29.3 | 14.1 | 43.4 | 2,720 |
| Sample #2 @ 5' | 5' | 5/31/2012 | In-Situ | - | - | - | - | - | <10.0 | 13.5 | 26.4 | 39.9 | 160 |
| Sample #3 @ 1' | 1' | 5/31/2012 | In-Situ | - | - | - | - | - | <10.0 | 73.8 | 22.6 | 96.4 | 11,900 |
| Sample #3 @ 5' | 5' | 5/31/2012 | In-Situ | - | - | - | - | - | <10.0 | <10.0 | <10.0 | <10.0 | 5,600 |
| Sample #3 @ 10' | 10' | 5/31/2012 | In-Situ | <0.050 | <0.050 | <0.050 | <0.150 | <0.150 | <10.0 | <10.0 | <10.0 | <10.0 | 2,480 |
| Sample #4 @ 1' | 1' | 5/31/2012 | In-Situ | - | - | - | - | - | <10.0 | 327 | 85.7 | 413 | 30,000 |
| Sample #4 @ 5' | 5' | 5/31/2012 | In-Situ | - | - | - | - | - | <10.0 | <10.0 | <10.0 | <10.0 | 320 |
| | | | | | | | | | | | | | |
| Sample #1 | 4' | 7/26/2012 | In-Situ | - | - | - | - | - | <10.0 | 13 | 18.7 | 31.7 | 400 |
| Sample #2 | 4' | 7/26/2012 | In-Situ | - | - | - | - | - | <10.0 | <10.0 | <10.0 | <10.0 | 192 |
| Sample #3 | 4' | 7/26/2012 | In-Situ | - | - | - | - | - | <10.0 | <10.0 | <10.0 | <10.0 | 256 |
| Sample #4 | 4' | 7/26/2012 | In-Situ | - | - | - | - | - | <10.0 | <10.0 | <10.0 | <10.0 | 144 |
| Sample #5 | 4' | 7/26/2012 | In-Situ | - | - | - | - | - | <10.0 | <10.0 | <10.0 | <10.0 | 656 |
| Sample #6 | 4' | 7/26/2012 | In-Situ | - | - | - | - | - | <10.0 | <10.0 | <10.0 | <10.0 | 544 |
| Sample #7 | 4' | 7/26/2012 | In-Situ | - | - | - | - | - | <10.0 | <10.0 | <10.0 | <10.0 | 384 |
| Sample #8 | 4' | 7/26/2012 | In-Situ | - | - | - | - | - | <10.0 | <10.0 | <10.0 | <10.0 | 144 |
| Sample #9 | 4' | 7/26/2012 | In-Situ | - | - | - | - | - | <10.0 | <10.0 | <10.0 | <10.0 | 608 |
| Sample #10 | 4' | 7/26/2012 | In-Situ | - | - | - | - | - | <10.0 | <10.0 | <10.0 | <10.0 | 416 |
| Sample #11 | 4' | 7/26/2012 | In-Situ | - | - | - | - | - | <10.0 | <10.0 | <10.0 | <10.0 | 288 |
| Sample #13 | 4' | 7/26/2012 | In-Situ | - | - | - | - | - | <10.0 | <10.0 | <10.0 | <10.0 | 432 |
| Sample #14 | 4' | 7/26/2012 | In-Situ | - | - | - | - | - | <10.0 | <10.0 | <10.0 | <10.0 | 304 |
| Sample #15 | 4' | 7/26/2012 | In-Situ | - | - | - | - | - | <10.0 | <10.0 | <10.0 | <10.0 | 656 |
| Sample #16 | 4' | 7/26/2012 | In-Situ | - | - | - | - | - | <10.0 | <10.0 | <10.0 | <10.0 | 528 |
| Sample #17 | 4' | 7/26/2012 | In-Situ | - | - | - | - | - | <10.0 | <10.0 | <10.0 | <10.0 | 48.0 |
| Sample #18 | 4' | 7/26/2012 | In-Situ | - | - | - | - | - | <10.0 | <10.0 | <10.0 | <10.0 | 176 |
| Sample #19 | 4' | 7/26/2012 | In-Situ | - | - | - | - | - | <10.0 | <10.0 | <10.0 | <10.0 | 160 |
| Sample #20 | 4' | 7/26/2012 | In-Situ | - | - | - | - | - | <10.0 | <10.0 | <10.0 | <10.0 | <16.0 |
| Sample #21 | 4' | 7/26/2012 | In-Situ | - | - | - | - | - | <10.0 | 16.5 | <10.0 | 16.5 | 128 |
| Sample #22 | 4' | 7/26/2012 | In-Situ | - | - | - | - | - | <10.0 | <10.0 | <10.0 | <10.0 | <16.0 |
| Sample #23 | 4' | 7/26/2012 | In-Situ | - | - | - | - | - | <10.0 | <10.0 | <10.0 | <10.0 | <16.0 |
| Sample #24 | 4' | 7/26/2012 | In-Situ | - | - | - | - | - | 28.3 | 82.1 | <10.0 | 110 | <16.0 |
| Sample #25 | 4' | 7/26/2012 | In-Situ | - | - | - | - | - | <10.0 | <10.0 | <10.0 | <10.0 | 592 |
| Sample #26 | 4' | 7/26/2012 | In-Situ | - | - | - | - | - | <10.0 | <10.0 | <10.0 | <10.0 | 8,660 |
| Sample #29 | 4' | 7/26/2012 | In-Situ | - | - | - | - | - | <10.0 | 21.1 | <10.0 | 21.1 | 256 |
| Sample #30 | 4' | 7/26/2012 | In-Situ | - | - | - | - | - | <10.0 | 22.5 | <10.0 | 22.5 | 1,680 |
| Sample #31 | 4' | 7/26/2012 | In-Situ | - | - | - | - | - | <10.0 | 11.9 | <10.0 | 11.9 | 160 |
| Sample #32 | 4' | 7/26/2012 | In-Situ | - | - | - | - | - | <10.0 | <10.0 | <10.0 | <10.0 | 9,330 |
| Sample #33 | 4' | 7/26/2012 | In-Situ | - | - | - | - | - | <10.0 | <10.0 | <10.0 | <10.0 | 96.0 |
| Sample #34 | 4' | 7/26/2012 | In-Situ | - | - | - | - | - | <10.0 | <10.0 | <10.0 | <10.0 | 80.0 |
| Sample #35 | 4' | 7/26/2012 | In-Situ | - | - | - | - | - | <10.0 | <10.0 | <10.0 | <10.0 | 128 |

TABLE 1

CONCENTRATIONS OF BENZENE, BTEX, TPH & CHLORIDE IN SOIL

BOPCO, LP
 POKER LAKE UNIT #78 SWD
 EDDY COUNTY, NEW MEXICO
 NMOCD REFERENCE NO: 2RP-1190

| SAMPLE LOCATION | SAMPLE DEPTH (BGS) | SAMPLE DATE | SOIL STATUS | METHOD: EPA SW 846-8021B, 5030 | | | | | METHOD: 8015M | | | TOTAL TPH | E 300 |
|-------------------|--------------------|-------------|-------------|--------------------------------|-----------------|-----------------------|-----------------------|--------------------|---|--|--|---|------------------|
| | | | | BENZENE (mg/Kg) | TOLUENE (mg/Kg) | ETHYL-BENZENE (mg/Kg) | TOTAL XYLENES (mg/Kg) | TOTAL BTEX (mg/Kg) | GRO C ₆ -C ₁₂ (mg/Kg) | DRO C ₁₂ -C ₂₈ (mg/Kg) | ORO C ₂₈ -C ₃₅ (mg/Kg) | C ₆ -C ₃₅ (mg/Kg) | CHLORIDE (mg/Kg) |
| Sample #36 | 4' | 7/26/2012 | In-Situ | - | - | - | - | - | <10.0 | <10.0 | <10.0 | <10.0 | 80.0 |
| Sample #37 | 4' | 7/26/2012 | In-Situ | - | - | - | - | - | <10.0 | <10.0 | <10.0 | <10.0 | 50,400 |
| Sample #38 | 4' | 7/26/2012 | In-Situ | - | - | - | - | - | <10.0 | <10.0 | <10.0 | <10.0 | 58,400 |
| Sample #39 | 4' | 7/26/2012 | In-Situ | - | - | - | - | - | <10.0 | <10.0 | <10.0 | <10.0 | 448 |
| East Pooling Area | 4' | 7/26/2012 | Excavated | - | - | - | - | - | 1,220 | 5,740 | 805 | 7,765 | 48.0 |
| Manifold Floor 6' | 6' | 7/31/2012 | Excavated | - | - | - | - | - | 4,720 | 13,800 | 2,050 | 20,570 | 176 |
| Manifold Floor 8' | 8' | 7/31/2012 | Excavated | - | - | - | - | - | 15,500 | 28,100 | 4,440 | 48,040 | 176 |
| SB-1 @ 5' * | 10' | 8/1/2012 | In-Situ | - | - | - | - | - | <10.0 | <10.0 | <10.0 | <10.0 | 256 |
| SB-1 @ 10' * | 15' | 8/1/2012 | In-Situ | <0.050 | <0.050 | <0.050 | <0.150 | <0.150 | <10.0 | 10.5 | <10.0 | 10.5 | 1,300 |
| SB-1 @ 15' * | 20' | 8/1/2012 | In-Situ | - | - | - | - | - | - | - | - | - | 48.0 |
| SB-1 @ 20' * | 25' | 8/1/2012 | In-Situ | <0.050 | <0.050 | <0.050 | <0.150 | <0.150 | <10.0 | <10.0 | <10.0 | <10.0 | 32.0 |
| SB-2 @ 5' * | 10' | 8/1/2012 | In-Situ | - | - | - | - | - | <10.0 | <10.0 | <10.0 | <10.0 | 864 |
| SB-2 @ 10' * | 15' | 8/1/2012 | In-Situ | <0.050 | <0.050 | <0.050 | <0.150 | <0.150 | <10.0 | <10.0 | <10.0 | <10.0 | 2,200 |
| SB-2 @ 15' * | 20' | 8/1/2012 | In-Situ | - | - | - | - | - | - | - | - | - | 3,560 |
| SB-2 @ 20' * | 25' | 8/1/2012 | In-Situ | <0.050 | <0.050 | <0.050 | <0.150 | <0.150 | <10.0 | <10.0 | <10.0 | <10.0 | 1,040 |
| SB-3 @ 5' * | 10' | 8/1/2012 | In-Situ | - | - | - | - | - | <10.0 | <10.0 | <10.0 | <10.0 | 1,060 |
| SB-3 @ 10' * | 15' | 8/1/2012 | In-Situ | <0.050 | <0.050 | <0.050 | <0.150 | <0.150 | <10.0 | <10.0 | <10.0 | <10.0 | 1,470 |
| SB-3 @ 15' * | 20' | 8/1/2012 | In-Situ | - | - | - | - | - | - | - | - | - | 1,250 |
| SB-3 @ 20' * | 25' | 8/1/2012 | In-Situ | - | - | - | - | - | - | - | - | - | 576 |
| SB-3 @ 25' * | 30' | 8/1/2012 | In-Situ | <0.050 | <0.050 | <0.050 | <0.150 | <0.150 | <10.0 | 189 | 407 | 596 | 128 |
| SB-4 @ 5' * | 10' | 8/1/2012 | In-Situ | - | - | - | - | - | <10.0 | 32.8 | 86.3 | 119 | 1,360 |
| SB-4 @ 10' * | 15' | 8/1/2012 | In-Situ | <0.050 | <0.050 | <0.050 | <0.150 | <0.150 | <10.0 | 11.1 | 23.9 | 35.0 | 384 |
| SB-4 @ 15' * | 20' | 8/1/2012 | In-Situ | - | - | - | - | - | - | - | - | - | 240 |
| SB-4 @ 20' * | 25' | 8/1/2012 | In-Situ | - | - | - | - | - | - | - | - | - | 240 |
| SB-4 @ 25' * | 30' | 8/1/2012 | In-Situ | <0.050 | <0.050 | <0.050 | <0.150 | <0.150 | <10.0 | <10.0 | 10.3 | 10.3 | 112 |
| SB-5 @ 5' | 5' | 8/1/2012 | In-Situ | - | - | - | - | - | <10.0 | 19.4 | 18.1 | 37.5 | 1,340 |
| SB-5 @ 10' | 10' | 8/1/2012 | In-Situ | <0.050 | <0.050 | <0.050 | <0.150 | <0.150 | <10.0 | <10.0 | <10.0 | <10.0 | 2,520 |
| SB-5 @ 15' | 15' | 8/1/2012 | In-Situ | - | - | - | - | - | - | - | - | - | 1,630 |
| SB-5 @ 20' | 20' | 8/1/2012 | In-Situ | - | - | - | - | - | - | - | - | - | 208 |
| SB-5 @ 25' | 25' | 8/1/2012 | In-Situ | <0.050 | <0.050 | <0.050 | <0.150 | <0.150 | <10.0 | <10.0 | <10.0 | <10.0 | 176 |
| Sample #12 | 4' | 8/3/2012 | Excavated | - | - | - | - | - | <10.0 | <10.0 | <10.0 | <10.0 | 7,280 |
| Sample #40 | 4' | 8/3/2012 | In-Situ | - | - | - | - | - | <10.0 | <10.0 | <10.0 | <10.0 | 480 |
| Sample #41 | 4' | 8/3/2012 | In-Situ | - | - | - | - | - | <10.0 | <10.0 | <10.0 | <10.0 | 688 |
| Sample #42 | 4' | 8/3/2012 | In-Situ | - | - | - | - | - | <10.0 | <10.0 | <10.0 | <10.0 | 1,220 |
| Sample #43 | 4' | 8/3/2012 | In-Situ | - | - | - | - | - | <10.0 | <10.0 | <10.0 | <10.0 | 944 |

TABLE 1

CONCENTRATIONS OF BENZENE, BTEX, TPH & CHLORIDE IN SOIL

BOPCO, LP
POKER LAKE UNIT #78 SWD
EDDY COUNTY, NEW MEXICO
NMOCD REFERENCE NO: 2RP-1190

| SAMPLE LOCATION | SAMPLE DEPTH (BGS) | SAMPLE DATE | SOIL STATUS | METHOD: EPA SW 846-8021B, 5030 | | | | | METHOD: 8015M | | | TOTAL TPH | E 300 |
|---------------------------------------|--------------------|-------------|-------------|--------------------------------|-----------------|-----------------------|-----------------------|--------------------|---|--|--|---|------------------|
| | | | | BENZENE (mg/Kg) | TOLUENE (mg/Kg) | ETHYL-BENZENE (mg/Kg) | TOTAL XYLENES (mg/Kg) | TOTAL BTEX (mg/Kg) | GRO C ₆ -C ₁₂ (mg/Kg) | DRO C ₁₂ -C ₂₈ (mg/Kg) | ORO C ₂₈ -C ₃₅ (mg/Kg) | C ₆ -C ₃₅ (mg/Kg) | CHLORIDE (mg/Kg) |
| Sample #44 | 4' | 8/3/2012 | In-Situ | - | - | - | - | - | <10.0 | <10.0 | <10.0 | <10.0 | 25,200 |
| Manifold Floor 12' | 12' | 8/3/2012 | In-Situ | - | - | - | - | - | <10.0 | 429 | 98.5 | 528 | 96.0 |
| SB #1 Surface ** | 5' | 8/3/2012 | In-Situ | - | - | - | - | - | <10.0 | 703 | 176 | 879 | 36,000 |
| SB #2 Surface/East Pooling Area 8' ** | 8' | 8/3/2012 | In-Situ | - | - | - | - | - | <10.0 | 337 | 126 | 463 | 1,560 |
| SB #3 Surface ** | 5' | 8/3/2012 | In-Situ | - | - | - | - | - | <10.0 | 153 | 82.7 | 236 | 61,600 |
| SB #4 Surface ** | 5' | 8/3/2012 | In-Situ | - | - | - | - | - | <10.0 | 1,310 | 320 | 1,630 | 20,000 |
| Power Pole North | 4' | 8/3/2012 | In-Situ | - | - | - | - | - | <10.0 | 15.2 | 42.7 | 57.9 | 40,000 |
| Power Pole South | 4' | 8/3/2012 | In-Situ | - | - | - | - | - | <10.0 | <10.0 | 18.2 | 18.2 | 37,600 |
| Power Pole East | 4' | 8/3/2012 | In-Situ | - | - | - | - | - | <10.0 | <10.0 | 10.0 | 10.0 | 48,000 |
| Power Pole West | 4' | 8/3/2012 | In-Situ | - | - | - | - | - | <10.0 | <10.0 | <10.0 | <10.0 | 43,200 |
| Lines | 0.5' | 8/3/2012 | In-Situ | - | - | - | - | - | 52.4 | 14,900 | 3,980 | 18,880 | 10,100 |
| Sample #12A | 4" | 8/8/2012 | In-Situ | - | - | - | - | - | <10.0 | <10.0 | <10.0 | <10.0 | 32.0 |
| Sample #27 | 4" | 8/8/2012 | In-Situ | - | - | - | - | - | <10.0 | 1,010 | 206 | 1,216 | 8,130 |
| Sample #28 | 4" | 8/8/2012 | In-Situ | - | - | - | - | - | <10.0 | 493 | 143 | 636 | 22,000 |
| Sample #44 | 4" | 8/8/2012 | In-Situ | - | - | - | - | - | <10.0 | <10.0 | <10.0 | <10.0 | 288 |
| Sample #45 | 4" | 8/8/2012 | In-Situ | - | - | - | - | - | <10.0 | 13.1 | 26.6 | 39.7 | 48.0 |
| Sample #46 | 4" | 8/8/2012 | In-Situ | - | - | - | - | - | <10.0 | 43.1 | 12.6 | 55.7 | 320 |
| NMOCD Regulatory Standard | | | | 10 | | | | 50 | | | | 5,000 | 1,000 |

Notes:

- Not analyzed.

* Indicates drilling depth. Soil borings were advanced in the floor of the excavation, approximately five feet (5') below ground surface (bgs).

** Due to the presence of a layer of pad sand in the floor of the excavation on the drilling date (August 1, 2012), soil samples could not be collected from the drilling surface (i.e., the floor of the excavation). On August 3, 2012, heavy equipment was utilized to remove the layer of pad sand in order to collect a sample of native, in-situ soil from the floor of the excavation.

Field data using
chloride strips

Table 2

FIELD TEST RESULTS

BOPCO, LP
POKER LAKE UNIT #78 SWD
EDDY COUNTY, NEW MEXICO
NMOC D REFERENCE NO: 2RP-1190

| SAMPLE LOCATION | SAMPLE DEPTH** (Below Ground Surface) | SAMPLE DATE | Field Test |
|-------------------|--|-------------|---------------------|
| | | | CHLORIDE (mg/Kg) |
| Grid 1 - Trench 1 | 7' | 8/13/2012 | 8,540 |
| " | 10' | 8/13/2012 | 1,876 |
| Grid 1 - Trench 2 | 7' | 8/13/2012 | 18,060* |
| " | 10' | 8/13/2012 | 14,720 |
| " | 12' | 8/13/2012 | 10,152* |
| " | 15' | 8/13/2012 | 248* |
| Grid 1 - Trench 3 | 7' | 8/13/2012 | 11,096 |
| " | 10' | 8/13/2012 | 6,656 |
| " | 12' | 8/13/2012 | 1,372 |
| | | | |
| Grid 2 - Trench 1 | 7' | 8/13/2012 | 16,272 |
| " | 10' | 8/13/2012 | 11,096 |
| " | 12' | 8/13/2012 | 8,540 |
| " | 15' | 8/13/2012 | 352 |
| Grid 2 - Trench 2 | 7' | 8/13/2012 | 14,720 |
| " | 10' | 8/13/2012 | 14,720* |
| " | 12' | 8/13/2012 | 9,304* |
| " | 15' | 8/13/2012 | 472* |
| Grid 2 - Trench 3 | 7' | 8/13/2012 | 13,360 |
| " | 10' | 8/13/2012 | 12,160 |
| " | 12' | 8/13/2012 | 3,780 |
| " | 15' | 8/13/2012 | 188 |
| | | | |
| Grid 3 - Trench 1 | 7' | 8/13/2012 | >25,444 |
| " | 10' | 8/13/2012 | 8,540 |
| " | 12' | 8/13/2012 | 112 |
| Grid 3 - Trench 2 | 7' | 8/13/2012 | 22,568* |
| " | 10' | 8/13/2012 | 14,720* |
| " | 12' | 8/13/2012 | 1,532* |
| Grid 3 - Trench 3 | 7' | 8/13/2012 | 4,100 |
| " | 10' | 8/13/2012 | 3,204 |
| Grid 3 - Trench 4 | 7' | 8/13/2012 | 13,360 |
| " | 10' | 8/13/2012 | 6,656 |
| " | 12' | 8/13/2012 | 1,532 |
| | | | |
| Grid 4 - Trench 1 | 7' | 8/13/2012 | 20,136 |
| " | 10' | 8/13/2012 | 8,540 |
| " | 12' | 8/13/2012 | 6,656 |
| " | 15' | 8/13/2012 | 188 |
| Grid 4 - Trench 2 | 7' | 8/13/2012 | >25,444* |
| " | 10' | 8/13/2012 | 11,096* |
| " | 12' | 8/13/2012 | 3,484* |
| Grid 4 - Trench 3 | 7' | 8/13/2012 | 3,780 |
| " | 10' | 8/13/2012 | 1,044 |

Table 2

FIELD TEST RESULTS

BOPCO, LP
 POKER LAKE UNIT #78 SWD
 EDDY COUNTY, NEW MEXICO
 NMOCD REFERENCE NO: 2RP-1190

| SAMPLE LOCATION | SAMPLE DEPTH** (Below Ground Surface) | SAMPLE DATE | Field Test |
|--------------------------------|--|-------------|---------------------|
| | | | CHLORIDE (mg/Kg) |
| Grid 5 - Trench 1 | 7' | 8/15/2012 | >25,444 |
| " | 10' | 8/15/2012 | 10,152 |
| " | 12' | 8/15/2012 | 8,948 |
| " | 15' | 8/15/2012 | 3,484 |
| Grid 5 - Trench 2 ^a | N/A | N/A | N/A |
| Grid 5 - Trench 3 | 7' | 8/15/2012 | >25,444 |
| " | 10' | 8/15/2012 | 14,720* |
| " | 12' | 8/15/2012 | 93.04 |
| " | 15' | 8/15/2012 | 1,220* |
| | | | |
| Grid 6 - Trench 1 | 7' | 8/15/2012 | 11,096 |
| " | 10' | 8/15/2012 | 4,816 |
| Grid 6 - Trench 2 | 7' | 8/15/2012 | 18,060 |
| " | 10' | 8/15/2012 | 8,948 |
| " | 12' | 8/15/2012 | 5,220 |
| " | 15' | 8/15/2012 | 2,948 |
| Grid 6 - Trench 3 | 7' | 8/15/2012 | >25,444 |
| " | 10' | 8/15/2012 | 14,428* |
| " | 12' | 8/15/2012 | 6,656 |
| " | 15' | 8/15/2012 | 5,220* |
| " | 20' | 8/15/2012 | 3,780* |
| " | 25' | 8/15/2012 | 3,484 |
| | | | |
| Grid 7 - Trench 1 | 7' | 8/15/2012 | 6,656 |
| " | 10' | 8/15/2012 | 4,816 |
| Grid 7 - Trench 2 | 7' | 8/16/2012 | 5,220* |
| " | 10' | 8/16/2012 | 3,484* |
| Grid 7 - Trench 3 ^b | N/A | N/A | N/A |
| | | | |
| Grid 8 - Trench 1 | 7' | 8/16/2012 | 2,476 |
| " | 10' | 8/16/2012 | 1,220 |
| Grid 8 - Trench 2 | 7' | 8/16/2012 | 20,136* |
| " | 10' | 8/16/2012 | 7,852 |
| " | 12' | 8/16/2012 | 7,852* |
| " | 15' | 8/16/2012 | 612* |
| Grid 8 - Trench 3 | 7' | 8/16/2012 | 11,096 |
| " | 10' | 8/16/2012 | 7,852 |
| " | 12' | 8/16/2012 | 6,656 |
| " | 15' | 8/16/2012 | 5,220 |
| " | 20' | 8/16/2012 | 776 |

Notes:

* Submitted for laboratory analysis of chloride concentrations.

** Delineation trenches were advanced in the floor of the excavation, approximately five feet (5') below ground surface (bgs).

^a Soil boring SB-3 is representative of soil in this area. Trench was not excavated.

^b Soil boring SB-4 is representative of soil in this area. Trench was not excavated.