

Bratcher, Mike, EMNRD

From: Jason Henry <JHenry@paalp.com>
Sent: Wednesday, September 19, 2012 10:19 AM
To: Bratcher, Mike, EMNRD
Subject: Details for Plains' Sundance Federal A TB remediation site
Attachments: Sundance Federal_SoilChemistryTable.pdf; Site Photos Aug. - Sept. 2012.pdf; Sundance Federal A site map.pdf; Sundance Federal A_Aerial.pdf; Sundance Federal A_SiteLocationMap.pdf; Sundance Federal A Initial C141.pdf

Mike,

Attached are some documents to assist you in your review of the soil sample analytical data for the site that you and I discussed on the phone yesterday. The only area of concern (as far as I can tell) is in the vicinity of soil sample location *Sink Hole Floor @ 15'*. As I mentioned yesterday, the idea I had for addressing this area of the site was to backfill with approximately 1' of compacted and hydrated clay and then advance a soil boring when backfilling activities are completed. The borehole would be plugged with hydrated bentonite to maintain the integrity of the clay barrier.

The legal description for this site is: Unit Letter "E", Sec. 4, T24S, R31E

GPS coordinates: N 32.24783°, W 103.79074°

Approximate depth to GW: 300' – 350' bgs (according to Chevron GW Trend Map)

Excavated soil disposition: Transported approximately 1,500 cubic yards of impacted soil to Lea Land Disposal

Back fill material: Purchased approximately 1,500 cubic yards of native material (sand) from the BLM

Also, I attached the Initial C141 even though I have already sent that to you.

Please let me know if you have any questions or need more information.

Thank you,
Jason Henry
Plains Pipeline
575-441-1099

TABLE 1

CONCENTRATIONS OF BENZENE, BTEX, TPH & CHLORIDE IN SOIL

BOPCO, LP
SUNDANCE FEDERAL A
EDDY COUNTY, NEW MEXICO
PLAINS REFERENCE #: PPS SUNDANCE FEDERAL A

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)
				BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL-BENZENE (mg/Kg)	M.P. - XYLENES (mg/Kg)	O-XYLENE (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)	
#1 East	2'	8/31/2012	In-Situ	-	-	-	-	-	-	-	<16.0	305	106	411
#1 West	0.5'	8/31/2012	In-Situ	-	-	-	-	-	-	-	<15.6	443	121	564
#2 East	2'	8/31/2012	In-Situ	-	-	-	-	-	-	-	37.8	757	156	951
#2 West	1'	8/31/2012	In-Situ	-	-	-	-	-	-	-	<15.7	257	94.4	351
#3 East	2'	8/31/2012	In-Situ	0.00961	0.0159	0.00919	0.0218	0.0131	0.0349	0.0696	154	3,960	745	4,860
#3 West	1'	8/31/2012	In-Situ	0.0179	0.0467	0.0153	0.0419	0.0188	0.0607	0.141	25.3	623	162	810
#4 East	2.5'	8/31/2012	In-Situ	-	-	-	-	-	-	-	<16.3	190	88.5	279
#4 West	0.5'	8/31/2012	Excavated	-	-	-	-	-	-	-	688	6,610	750	8,050
Pit #1 S. Wall	4'	8/31/2012	In-Situ	-	-	-	-	-	-	-	<16.6	382	103	485
Pit #1 W. Wall	4'	8/31/2012	In-Situ	-	-	-	-	-	-	-	<16.7	289	75.0	364
Pit #1 W. Floor	6'	8/31/2012	In-Situ	0.0102	0.0352	0.169	0.518	0.194	0.712	0.926	396	2,720	187	3,300
Pit #2 W. Wall	4'	8/31/2012	In-Situ	-	-	-	-	-	-	-	<16.4	268	76.3	344
Pit #2 W. Floor	5.5'	8/31/2012	In-Situ	-	-	-	-	-	-	-	168	1,790	184	2,140
Pit #3 W. Wall	4'	8/31/2012	In-Situ	-	-	-	-	-	-	-	<17.1	171	57.6	229
Pit #3 W. Floor	6'	8/31/2012	In-Situ	-	-	-	-	-	-	-	<17.4	<17.4	<17.4	<17.4
Pit #1 N. Wall	4'	9/7/2012	In-Situ	-	-	-	-	-	-	-	<15.5	16.1	<15.5	16.1
Pit #2 N. Wall	4'	9/7/2012	In-Situ	-	-	-	-	-	-	-	<15.5	19.7	<15.5	19.7
Pit #2 E. Wall	4'	9/7/2012	In-Situ	<0.0010	<0.0021	0.0022	0.0174	0.0059	0.0233	0.0255	46.3	284	32.1	362
Pit #2 E. Floor	6'	9/7/2012	In-Situ	-	-	-	-	-	-	-	<16.6	41.2	<16.6	41.2
Pit #3 E. Wall	4'	9/7/2012	In-Situ	-	-	-	-	-	-	-	<15.6	18.8	<15.6	18.8
Pit #3 E. Floor	6'	9/7/2012	In-Situ	-	-	-	-	-	-	-	<16.9	20.6	<16.9	20.6
Center Floor #2	6'	9/7/2012	In-Situ	-	-	-	-	-	-	-	<16.4	36.5	<16.4	36.5
Center Floor #3	6'	9/7/2012	In-Situ	-	-	-	-	-	-	-	<16.9	26.6	<16.9	26.6
Vent Wall #2	4'	9/7/2012	In-Situ	-	-	-	-	-	-	-	<16.7	37.6	<16.7	37.6
#4 West b	1'	9/7/2012	In-Situ	<0.0011	0.0067	0.0142	0.0552	0.0190	0.0742	0.0951	109	809	123	1,040
Sink Hole N. Wall	10'	9/12/2012	In-Situ	-	-	-	-	-	-	-	<17.1	<17.1	<17.1	<17.1
Sink Hole S. Wall	10'	9/12/2012	In-Situ	-	-	-	-	-	-	-	<16.3	36.5	<16.3	36.5
Sink Hole W. Wall	10'	9/12/2012	In-Situ	-	-	-	-	-	-	-	<16.3	<16.3	<16.3	<16.3
Sink Hole E. Wall	10'	9/12/2012	In-Situ	-	-	-	-	-	-	-	<15.9	<15.9	<15.9	<15.9
Sink Hole Floor @ 15'	15'	9/12/2012	In-Situ	-	-	-	-	-	-	-	9,970	21,800	1,070	32,800
NMOCD Regulatory Standard				10						50				5,000

- = Not analyzed.

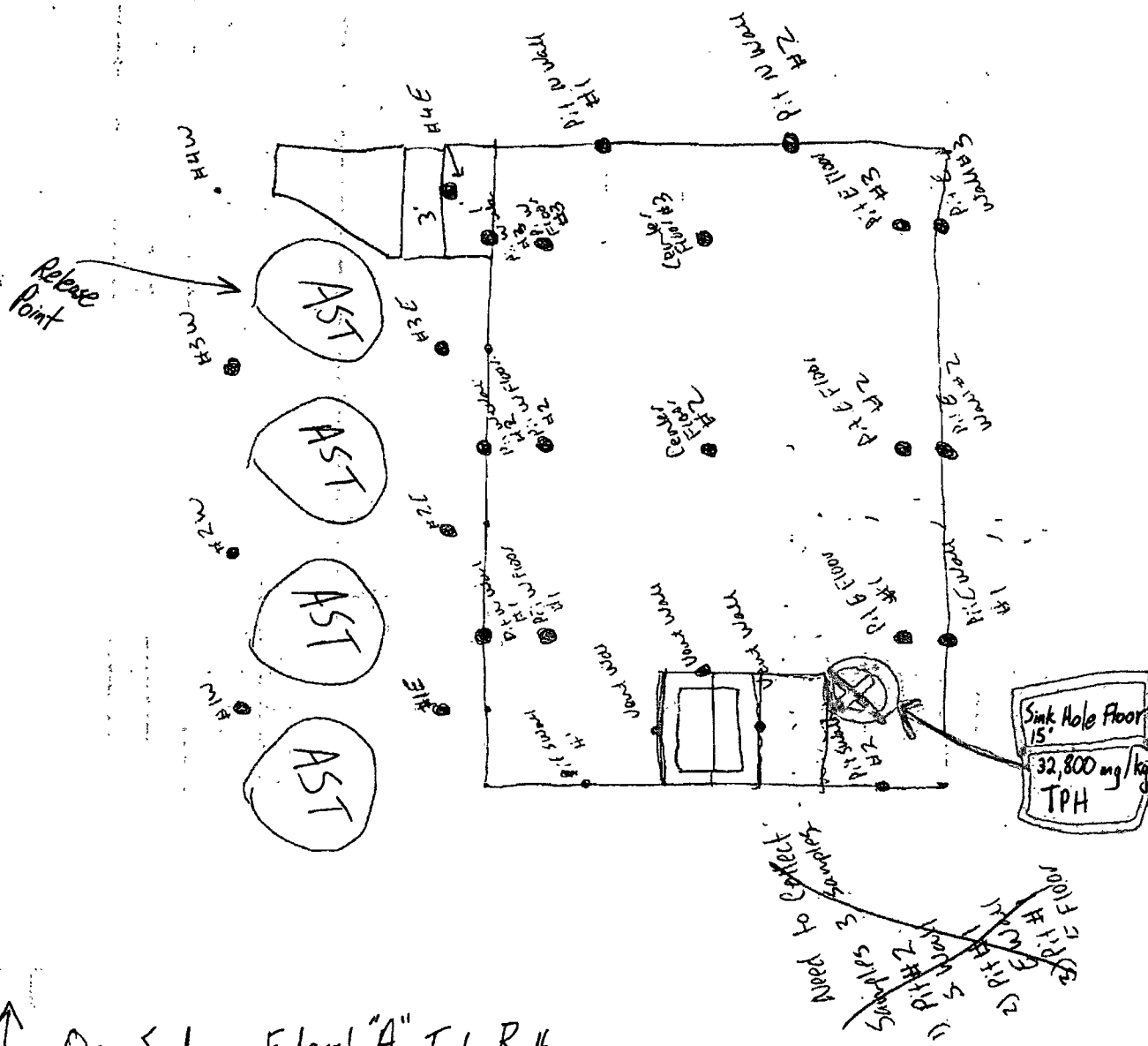
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Oxy Sundance Federal "A" Tank Battery
Approximate Soil Sample Locations