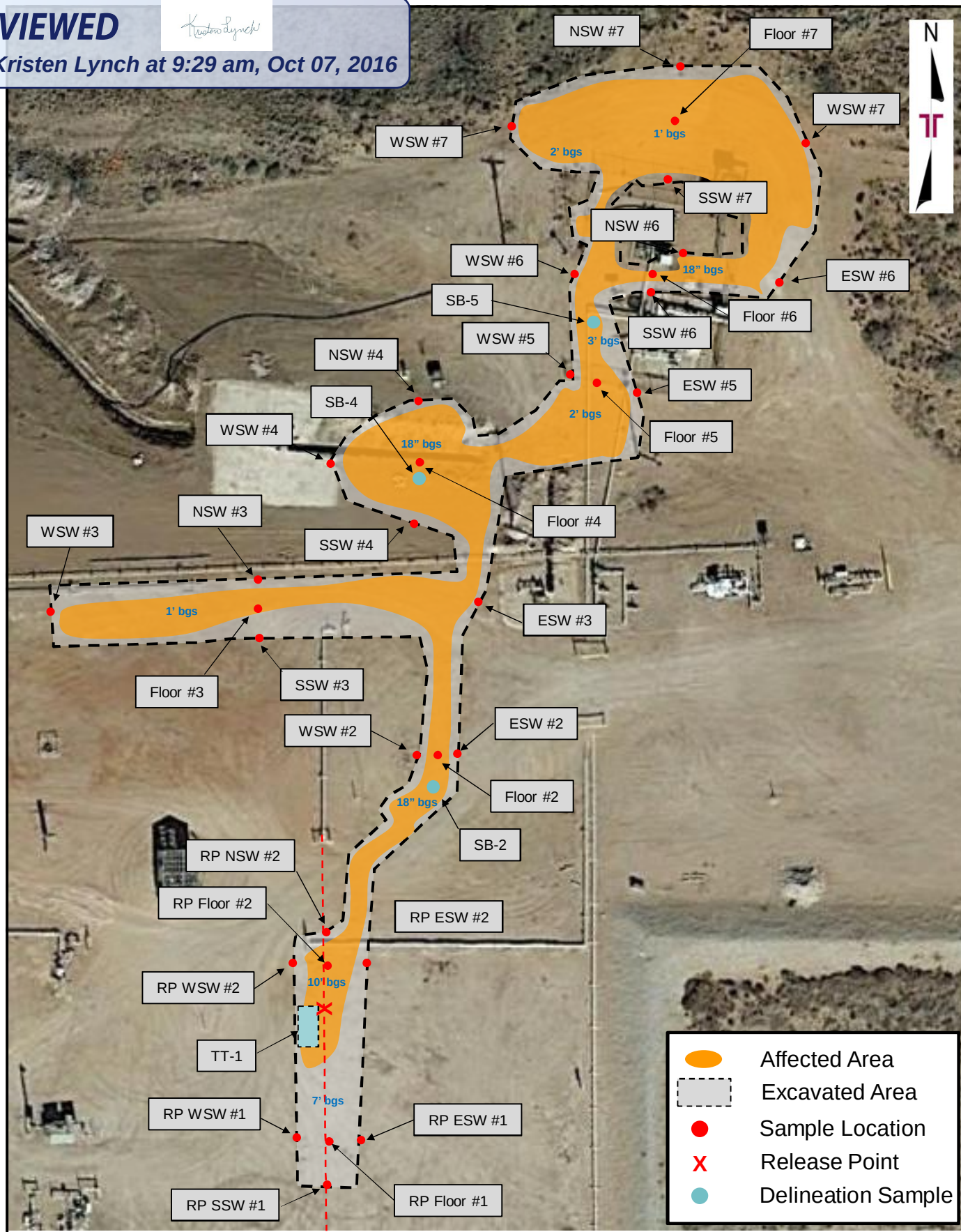


REVIEWED

Kristen Lynch

By Kristen Lynch at 9:29 am, Oct 07, 2016



Project No. AR167190
 Scale: 1"=40'
 Source: GoogleEarth
 Date: 2014

Terracon
 Consulting Engineers & Scientists

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Figure 2 – Site and Sample Location Map

Lynch Station
 Plains SRS No. 2015-162
 32.53301° , -103.54592°
 Lea County, New Mexico

TABLE 1
Confirmation Soil Sample Analytical Results - TPH¹, BTEX² and Chloride³
Lynch Station
 Plains All American Pipeline, L.P.
 Latitude: 32.53301°, Longitude: -103.54592°
 Terracon Project No. AR167190

Sample ID	Depth	Date	Sample Type	Soil Status	TPH				Benzene (mg/kg)	Toluene (mg/kg)	Ethyl-benzene (mg/kg)	Total Xylenes (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
					C ₆ -C ₁₂ (mg/kg)	C ₁₂ -C ₂₈ (mg/kg)	C ₂₈ -C ₃₅ (mg/kg)	C ₆ -C ₃₅ (mg/kg)						
TT-1 @ 5'	5'	8/11/2016	Grab	Excavated	-	-	-	-	14.6	91.0	48.3	105	258	-
TT-1 @ 7'	7'	8/11/2016	Grab	Excavated	2,020	3,560	<15.0	5,580	18.2	89.4	45.6	101	254	-
TT-1 @ 9'	9'	8/11/2016	Grab	Excavated	<15.0	79.0	<15.0	79.0	<0.00149	<0.00198	<0.00198	<0.00198	<0.00149	-
SB-2 @ 2'	2'	8/11/2016	Grab	In-Situ	<15.0	<15.0	<15.0	<15.0	<0.00149	<0.00199	<0.00199	0.00511	0.00511	-
Floor #3 @ 1'	1'	8/11/2016	Grab	In-Situ	<15.0	310	<15.0	310	0.00749	<0.00200	<0.00200	<0.00200	0.00749	-
SB-4 @ 3'	3'	8/11/2016	Grab	In-Situ	15.4	103	<15.0	118	<0.00149	<0.00199	<0.00199	0.00706	0.00706	-
SB-5 @ 18"	1.5'	8/11/2016	Grab	Excavated	1,390	4,950	<15.0	6,340	2.00	24.7	24.5	47.1	98.3	-
SB-5 @ 2.5'	2.5'	8/11/2016	Grab	Excavated	526	1,730	<15.0	2,260	0.198	9.15	13.3	22.5	45.1	-
Floor #6 @ 18"	1.5'	8/11/2016	Grab	In-Situ	59.8	613	<15.0	673	<0.00150	0.0191	0.0260	0.127	0.172	-
Floor #7 @ 1'	1'	8/11/2016	Grab	In-Situ	17.1	89.7	<15.0	107	<0.00150	<0.00200	<0.00200	0.0271	0.0271	-
RP Floor #1 @ 7'	7'	9/22/2016	Grab	In-Situ	<15.0	16.0	<15.0	16.0	<0.00149	<0.00199	<0.00199	<0.00199	<0.00149	-
RP SSW #1	5'	9/22/2016	Grab	In-Situ	<15.0	<15.0	<15.0	<15.0	<0.00149	<0.00198	<0.00198	<0.00198	<0.00149	-
RP WSW #1	5'	9/22/2016	Grab	In-Situ	15	279	<15.0	279	<0.00149	<0.00199	<0.00199	<0.00199	<0.00149	-
RP ESW #1	5'	9/22/2016	Grab	In-Situ	<15.0	<15.0	<15.0	<15.0	<0.00150	<0.00200	<0.00200	<0.00200	<0.00150	-
RP Floor #2 @ 10'	10'	9/22/2016	Grab	In-Situ	<15.0	18.4	<15.0	18.4	<0.00149	<0.00199	<0.00199	<0.00199	<0.00149	13.6
RP NSW #2	8'	9/22/2016	Grab	In-Situ	<14.9	<14.9	<14.9	<14.9	<0.00150	<0.00200	<0.00200	<0.00200	<0.00150	-
RP WSW #2	8'	9/22/2016	Grab	In-Situ	<15.0	<15.0	<15.0	<15.0	<0.00149	<0.00198	<0.00198	<0.00198	<0.00149	-
RP ESW #2	8'	9/22/2016	Grab	In-Situ	<14.9	<14.9	<14.9	<14.9	<0.00149	<0.00199	<0.00199	<0.00199	<0.00149	-
Floor #2 @ 18"	1.5'	9/22/2016	Grab	Pending Excavation	23.3	3,800	<15.0	3,820	<0.00150	<0.00200	<0.00200	<0.00200	<0.00150	-
WSW #2	1'	9/22/2016	Grab	Pending Excavation	15.4	1,290	<15.0	1,310	<0.00150	<0.00200	<0.00200	<0.00200	<0.00150	-
ESW #2	1'	9/22/2016	Grab	In-Situ	<15.0	49.5	<15.0	49.5	<0.00150	<0.00200	<0.00200	<0.00200	<0.00150	-
NSW #3	0.5'	9/22/2016	Grab	In-Situ	<15.0	250	<15.0	250	<0.00149	<0.00199	<0.00199	<0.00199	<0.00149	-
WSW #3	0.5'	9/22/2016	Grab	In-Situ	<15.0	547	<15.0	547	<0.00149	<0.00199	<0.00199	<0.00199	<0.00149	-
ESW #3	0.5'	9/22/2016	Grab	In-Situ	<15.0	<15.0	<15.0	<15.0	<0.00150	<0.00200	<0.00200	<0.00200	<0.00150	-
SSW #3	0.5'	9/22/2016	Grab	In-Situ	<14.9	164	<14.9	164	<0.00150	<0.00200	<0.00200	<0.00200	<0.00150	-
Floor #4 @ 18"	1.5'	9/22/2016	Grab	In-Situ	<14.9	82.3	<14.9	82.3	<0.00150	<0.00200	<0.00200	<0.00200	<0.00150	-
NSW #4	1'	9/22/2016	Grab	In-Situ	<15.0	<15.0	<15.0	<15.0	<0.00149	<0.00199	<0.00199	<0.00199	<0.00149	-
SSW #4	1'	9/22/2016	Grab	In-Situ	<15.0	<15.0	<15.0	<15.0	<0.00149	<0.00198	<0.00198	<0.00198	<0.00149	-
WSW #4	1'	9/22/2016	Grab	In-Situ	<15.0	<15.0	<15.0	<15.0	<0.00150	<0.00200	<0.00200	<0.00200	<0.00150	-
Floor #5 @ 2'	2'	9/22/2016	Grab	In-Situ	<15.0	226	<15.0	226	<0.00149	<0.00198	<0.00198	<0.00198	<0.00149	-
WSW #5	2'	9/22/2016	Grab	In-Situ	<15.0	110	<15.0	110	<0.00150	<0.00200	<0.00200	<0.00200	<0.00150	-
ESW #5	2'	9/22/2016	Grab	In-Situ	<15.0	<15.0	<15.0	<15.0	<0.00150	<0.00200	<0.00200	<0.00200	<0.00150	-
NSW #6	1'	9/22/2016	Grab	In-Situ	<15.0	36.2	<15.0	36.2	<0.00149	<0.00199	<0.00199	<0.00199	<0.00149	-
WSW #6	1'	9/22/2016	Grab	In-Situ	16.2	280	<14.9	296	<0.00150	<0.00200	<0.00200	0.00447	0.00447	-
ESW #6	1'	9/22/2016	Grab	In-Situ	<14.9	31.3	<14.9	31.3	<0.00149	<0.00199	<0.00199	<0.00199	<0.00149	-
SSW #6	1'	9/22/2016	Grab	In-Situ	<15.0	<15.0	<15.0	<15.0	<0.00150	<0.00200	<0.00200	<0.00200	<0.00150	-
NSW #7	0.5'	9/22/2016	Grab	In-Situ	<15.0	90.0	<15.0	90.0	<0.00150	<0.00200	<0.00200	<0.00200	<0.00150	-
WSW #7	0.5'	9/22/2016	Grab	In-Situ	<15.0	177	<15.0	177	<0.00149	<0.00198	<0.00198	<0.00198	<0.00149	-
SSW #7	0.5'	9/22/2016	Grab	In-Situ	<15.0	<15.0	<15.0	<15.0	<0.00149	<0.00199	<0.00199	<0.00199	<0.00149	-
ESW #7	0.5'	9/22/2016	Grab	In-Situ	<15.0	<15.0	<15.0	<15.0	<0.00150	<0.00200	<0.00200	<0.00200	<0.00150	-
New Mexico Oil Conservation Division Regulatory Remediation Action Levels								1,000	10	N/A	N/A	N/A	50	250*

1. TPH = Total petroleum hydrocarbons analyzed by EPA Method SW-846 8015M.

2. BTEX = BTEX analyzed by EPA Method SW-846 8021b.

3. Chlorides = Chlorides analyzed by EPA Method E 300.

- = Soil sample not analyzed for that constituent.

< = Constituent not detected above the indicated laboratory reporting limit (RL).

N/A = Not Applicable



View of surface staining from the initial release.



View of surface staining from the initial release.



View of surface staining from the initial release and initial response.





View of surface staining from the initial release.



View of the release site after remediation activities.



View of the release site after remediation activities.



View of the release site after remediation activities.



View of the release site after remediation activities.



View of the release site after remediation activities.



View of the release site after remediation activities.



View of the release site after remediation activities.



View of the excavated release point.