LANL '09 TA-21

Roberts, Kathryn, NMENV

From: Roberts, Kathryn, NMENV
Sent: Wednesday, October 21, 2009 2:19 PM
To: 'Mark S. Thacker'
Cc: 'Roy Bohn'; 'Day, Emily'; 'Bill Criswell'; Cobrain, Dave, NMENV
Subject: RE: Diesel site data- Preliminary

Mark,

NMED has reviewed the data and concurs that TPH-DRO contamination appears to be concentrated from the surface to approximately 140-ft bgs, with orders of magnitude decrease from 140-ft to 200-ft bgs. The Permittees may abandon the two boreholes (boreholes ending in 195 and 196) at AST 21-57 with the tremie method.

Please let me know if you have any questions,

Thanks,
Katie

From: Mark S. Thacker [mailto:mthacker@lanl.gov]
Sent: Wednesday, October 21, 2009 1:51 PM
To: Roberts, Kathryn, NMENV
Cc: 'Roy Bohn'; 'Day, Emily'; 'Bill Criswell'
Subject: FW: Diesel site data- Preliminary

Katie, attached is a table with the TPH-DRO results from the two boreholes installed at the diesel release site, 21-57. The data are arranged by sample depth; both boreholes (ending in 195 and 196) are listed consecutively. The data show there is contamination from the surface to approximately 140 feet bgs., dropping off significantly to non-detect at the method detection limit in the 200 feet bgs. samples. If NMED determines that the boreholes are no longer needed I will attempt to abandon them, by the tremie method, before we demobilize from the field in November.

Mark

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SAMPLE_I	SAMPLE_I	REQUEST	LOCATION	LUT_SPA	SAMPLE_	SAMPLE_I	LUT_LEN	COLLECTI	LUT_SAM	LUT_ANAI	LUT_ANAI	LUT_ANAI	LUT_ANAI	LAB_RESU	LUT_RESU	LUT_LAB_QUALIFIER_CODE		
MD21-09-7	758	Sep-35	21-605195	TA-21	0	5	FT	8/18/2009	INV	Total Petro	SW-846:8(	TPH-DRO	ORGANIC	14000	mg/kg	D		
MD21-09-7	758	Sep-00	21-605196	TA-21	0	5	FT	8/22/2009	INV	Total Petro	SW-846:8(	TPH-DRO	ORGANIC	110	mg/kg	D		
MD21-09-7	758	Sep-35	21-605195	TA-21	5	10	FT	8/18/2009	INV	Total Petro	SW-846:8(	TPH-DRO	ORGANIC	7200	mg/kg	D		
MD21-09-7	758	Sep-00	21-605196	TA-21	5	10	FT	8/22/2009	INV	Total Petro	SW-846:8(	TPH-DRO	ORGANIC	15000	mg/kg	D		
MD21-09-7	758	Sep-35	21-605195	TA-21	10	15	FT	8/18/2009	INV	Total Petro	SW-846:8(	TPH-DRO	ORGANIC	12000	mg/kg	D		
MD21-09-7	758	Sep-00	21-605196	TA-21	10	15	FT	8/22/2009	INV	Total Petro	SW-846:8(	TPH-DRO	ORGANIC	19000	mg/kg	D		
MD21-09-7	758	Sep-35	21-605195	TA-21	15	20	FT	8/18/2009	INV	Total Petro	SW-846:8(	TPH-DRO	ORGANIC	14000	mg/kg	D		
MD21-09-7	758	Sep-00	21-605196	TA-21	15	20	FT	8/22/2009	INV	Total Petro	SW-846:8(	TPH-DRO	ORGANIC	19000	mg/kg	D		
MD21-09-7	758	Sep-35	21-605195	TA-21	20	25	FT	8/18/2009	INV	Total Petro	SW-846:8(	TPH-DRO	ORGANIC	27000	mg/kg	D		
MD21-09-7	758	Sep-00	21-605196	TA-21	20	25	FT	8/22/2009	INV	Total Petro	SW-846:8(	TPH-DRO	ORGANIC	19000	mg/kg	D		
MD21-09-7	758	Sep-35	21-605195	TA-21	25	30	FT	8/18/2009	INV	Total Petro	SW-846:8(	TPH-DRO	ORGANIC	23000	mg/kg	D		
MD21-09-7	758	Sep-00	21-605196	TA-21	25	30	FT	8/22/2009	INV	Total Petro	SW-846:8(	TPH-DRO	ORGANIC	17000	mg/kg	D		
MD21-09-7	758	Sep-35	21-605195	TA-21	30	35	FT	8/18/2009	INV	Total Petro	SW-846:8(	TPH-DRO	ORGANIC	16000	mg/kg	D		
MD21-09-7	758	Sep-00	21-605196	TA-21	30	35	FT	8/22/2009	INV	Total Petro	SW-846:8(	TPH-DRO	ORGANIC	18000	mg/kg	D		
MD21-09-7	758	Sep-35	21-605195	TA-21	35	40	FT	8/18/2009	INV	Total Petro	SW-846:8(	TPH-DRO	ORGANIC	19000	mg/kg	D		
MD21-09-7	758	Sep-00	21-605196	TA-21	35	40	FT	8/22/2009	INV	Total Petro	SW-846:8(	TPH-DRO	ORGANIC	24000	mg/kg	D		
MD21-09-7	758	Sep-35	21-605195	TA-21	40	45	FT	8/18/2009	INV	Total Petro	SW-846:8(	TPH-DRO	ORGANIC	15000	mg/kg	D		
MD21-09-7	758	Sep-00	21-605196	TA-21	40	45	FT	8/22/2009	INV	Total Petro	SW-846:8(	TPH-DRO	ORGANIC	29000	mg/kg	D		
MD21-09-7	758	Sep-35	21-605195	TA-21	45	50	FT	8/18/2009	INV	Total Petro	SW-846:8(	TPH-DRO	ORGANIC	22000	mg/kg	D		
MD21-09-7	758	Sep-00	21-605196	TA-21	50	55	FT	8/22/2009	INV	Total Petro	SW-846:8(	TPH-DRO	ORGANIC	31000	mg/kg	D		
MD21-09-7	758	Sep-35	21-605195	TA-21	55	60	FT	8/18/2009	INV	Total Petro	SW-846:8(	TPH-DRO	ORGANIC	25000	mg/kg	D		
MD21-09-7	758	Sep-00	21-605196	TA-21	55	60	FT	8/22/2009	INV	Total Petro	SW-846:8(	TPH-DRO	ORGANIC	32000	mg/kg	D		
MD21-09-7	758	Sep-71	21-605195	TA-21	65	70	FT	8/19/2009	INV	Total Petro	SW-846:8(	TPH-DRO	ORGANIC	24000	mg/kg	D		
MD21-09-7	758	Sep-00	21-605196	TA-21	65	70	FT	8/22/2009	INV	Total Petro	SW-846:8(	TPH-DRO	ORGANIC	30000	mg/kg	D		
MD21-09-7	758	Sep-71	21-605195	TA-21	75	80	FT	8/19/2009	INV	Total Petro	SW-846:8(	TPH-DRO	ORGANIC	22000	mg/kg	D		
MD21-09-7	758	Sep-00	21-605196	TA-21	75	80	FT	8/22/2009	INV	Total Petro	SW-846:8(	TPH-DRO	ORGANIC	29000	mg/kg	D		
MD21-09-7	758	Sep-71	21-605195	TA-21	85	90	FT	8/19/2009	INV	Total Petro	SW-846:8(	TPH-DRO	ORGANIC	27000	mg/kg	D		
MD21-09-7	758	Sep-00	21-605196	TA-21	85	90	FT	8/24/2009	INV	Total Petro	SW-846:8(	TPH-DRO	ORGANIC	27000	mg/kg	D		
MD21-09-7	758	Sep-71	21-605195	TA-21	95	100	FT	8/19/2009	INV	Total Petro	SW-846:8(	TPH-DRO	ORGANIC	31000	mg/kg	D		
MD21-09-7	758	Sep-00	21-605196	TA-21	95	100	FT	8/24/2009	INV	Total Petro	SW-846:8(	TPH-DRO	ORGANIC	27000	mg/kg	D		
MD21-09-7	758	Sep-71	21-605195	TA-21	105	110	FT	8/19/2009	INV	Total Petro	SW-846:8(	TPH-DRO	ORGANIC	26000	mg/kg	D		
MD21-09-7	758	Sep-00	21-605196	TA-21	105	110	FT	8/24/2009	INV	Total Petro	SW-846:8(	TPH-DRO	ORGANIC	21000	mg/kg	D		
MD21-09-7	758	Sep-71	21-605195	TA-21	115	120	FT	8/19/2009	INV	Total Petro	SW-846:8(	TPH-DRO	ORGANIC	16000	mg/kg	D		
MD21-09-7	758	Sep-00	21-605196	TA-21	115	120	FT	8/24/2009	INV	Total Petro	SW-846:8(	TPH-DRO	ORGANIC	7000	mg/kg	D		
MD21-09-7	758	Sep-71	21-605195	TA-21	125	130	FT	8/19/2009	INV	Total Petro	SW-846:8(	TPH-DRO	ORGANIC	2800	mg/kg	D		
MD21-09-7	758	Sep-00	21-605196	TA-21	125	130	FT	8/24/2009	INV	Total Petro	SW-846:8(	TPH-DRO	ORGANIC	18000	mg/kg	D		
MD21-09-7	758	Sep-78	21-605195	TA-21	135	140	FT	8/20/2009	INV	Total Petro	SW-846:8(	TPH-DRO	ORGANIC	85	mg/kg	D		
MD21-09-7	758	Sep-00	21-605196	TA-21	135	140	FT	8/24/2009	INV	Total Petro	SW-846:8(	TPH-DRO	ORGANIC	20000	mg/kg	D		
MD21-09-7	758	Sep-78	21-605195	TA-21	145	150	FT	8/20/2009	INV	Total Petro	SW-846:8(	TPH-DRO	ORGANIC	35	mg/kg	D		
MD21-09-7	758	Sep-00	21-605196	TA-21	145	150	FT	8/24/2009	INV	Total Petro	SW-846:8(	TPH-DRO	ORGANIC	120	mg/kg	D		
MD21-09-7	758	Sep-78	21-605195	TA-21	155	160	FT	8/20/2009	INV	Total Petro	SW-846:8(	TPH-DRO	ORGANIC	2.5	mg/kg	J		
MD21-09-7	758	Sep-06	21-605196	TA-21	155	160	FT	8/25/2009	INV	Total Petro	SW-846:8(	TPH-DRO	ORGANIC	51	mg/kg			
MD21-09-7	758	Sep-78	21-605195	TA-21	165	170	FT	8/20/2009	INV	Total Petro	SW-846:8(	TPH-DRO	ORGANIC	3.4	mg/kg	J		
MD21-09-7	758	Sep-06	21-605196	TA-21	165	170	FT	8/25/2009	INV	Total Petro	SW-846:8(	TPH-DRO	ORGANIC	89	mg/kg			
MD21-09-7	758	Sep-78	21-605195	TA-21	175	180	FT	8/20/2009	INV	Total Petro	SW-846:8(	TPH-DRO	ORGANIC	3.3	mg/kg	J		
MD21-09-7	758	Sep-06	21-605196	TA-21	175	180	FT	8/25/2009	INV	Total Petro	SW-846:8(	TPH-DRO	ORGANIC	27	mg/kg	U		
MD21-09-7	758	Sep-95	21-605195	TA-21	185	190	FT	8/21/2009	INV	Total Petro	SW-846:8(	TPH-DRO	ORGANIC	4.1	mg/kg	JB		
MD21-09-7	758	Sep-06	21-605196	TA-21	185	190	FT	8/25/2009	INV	Total Petro	SW-846:8(	TPH-DRO	ORGANIC	27	mg/kg	U		
MD21-09-7	758	Sep-06	21-605196	TA-21	185	190	FT	8/25/2009	INV	Total Petro	SW-846:8(	TPH-DRO	ORGANIC	27	mg/kg	U		
MD21-09-7	758	Sep-95	21-605195	TA-21	195	200	FT	8/21/2009	INV	Total Petro	SW-846:8(	TPH-DRO	ORGANIC	3.6	mg/kg	JB		
MD21-09-7	758	Sep-06	21-605196	TA-21	195	200	FT	8/25/2009	INV	Total Petro	SW-846:8(	TPH-DRO	ORGANIC	27	mg/kg	U		
MD21-09-7	758	Sep-06	21-605196	TA-21	195	200	FT	8/25/2009	INV	Total Petro	SW-846:8(	TPH-DRO	ORGANIC	27	mg/kg	U		