

Bratcher, Mike, EMNRD

From: Bob Asher [BobA@yatespetroleum.com]
 Sent: Thursday, December 29, 2011 9:53 AM
 To: Bratcher, Mike, EMNRD
 Subject: Humidor BMJ State Com. #1

Mike,

Below are further delineation results.

Analytical Report- 425878 & 425879	Sample Area	Sample Date	Sample Type	Depth	BTEX	GRO	DRO	TOTAL	Chlorides
Comp-01.0 B	Release Area	8/12/2011	Comp/Auger	12" (24" BSL)	ND	ND	ND	ND	6010
Comp-02.0 B	Release Area	8/12/2011	Comp/Auger	24" (36" BSL)	ND	ND	ND	ND	3440
Comp-01.0 ES	Release Area	8/12/2011	Comp/Auger	12" (24" BSL)	ND	ND	ND	ND	11500
Comp-02.0 ES	Release Area	8/12/2011	Comp/Auger	24" (36" BSL)	ND	ND	ND	ND	14800
Analytical Report- 429611	Sample Area	Sample Date	Sample Type	Depth	BTEX	GRO	DRO	TOTAL	Chlorides
Comp-03.0 B	Release Area	10/11/2011	Comp/Backhoe	3' (4' BSL)					96.4
Comp-04.0 B	Release Area	10/11/2011	Comp/Backhoe	4' (5' BSL)					317
Comp-05.0 B	Release Area	10/11/2011	Comp/Backhoe	5' (6' BSL)					21.9
Comp-03.0 ES	Release Area	10/11/2011	Comp/Backhoe	3' (4' BSL)					10500
Comp-04.0 ES	Release Area	10/11/2011	Comp/Backhoe	4' (5' BSL)					11700
Comp-05.0 ES	Release Area	10/11/2011	Comp/Backhoe	5' (6' BSL)					9230
Analytical Report- 431732	Sample Area	Sample Date	Sample Type	Depth	BTEX	GRO	DRO	TOTAL	Chlorides
Comp-06.0 ES	Release Area	11/16/2011	Comp/Backhoe	6' (7' BSL)					8970
Comp-07.0 ES	Release Area	11/16/2011	Comp/Backhoe	7' (8' BSL)					4610
Comp-08.0 ES	Release Area	11/16/2011	Comp/Backhoe	8' (9' BSL)					5650
Comp-09.0 ES	Release Area	11/16/2011	Comp/Backhoe	9' (10' BSL)					2320
Analytical Report- 433948	Sample Area	Sample Date	Sample Type	Depth	BTEX	GRO	DRO	TOTAL	Chlorides
Comp-10.0 ES	Release Area	12/20/2011	Comp/Backhoe	10' (11' BSL)					6300
Comp-11.0 ES	Release Area	12/20/2011	Comp/Backhoe	11' (12' BSL)					936

Site Ranking is Ten (10). Depth to Ground Water 50-99' (approx. 70', per Trend Map).

All results are ppm. X - Sample Points BLS - Below Surface Level

Released: 80 B/PW; Recovered: 0 B/PW. Release Date: 6/2/2011

Those results highlighted in red will be excavated and taken to an NMOCD approved facility. Yates would like to propose to backfill the first 2' of the excavation area designated "ES" with a clay based backfill material to create a barrier to prevent impacted soils 6' BSL (Comp-05.0 ES) to 11' BSL (Comp-10.0 ES) from vertically migrating towards the surface or

migrating deeper. Yates would then backfill the remaining excavation with native or suitable soils to encourage natural revegetation.

Please contact me if you have any questions.

Thank you.

Robert Asher

Senior Environmental Regulatory Agent

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