

Discharge Area Inspection Record

Project	UHCMS	Project No.	1246DOR	Month/Year	Sep-11
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Date	Discharge Area	GAC No.	Inspected by	Discharge Area Inspection		Compliance testing		Discharge Area Groundwater Monitoring			
				Visual/olfactory evidence of hydrocarbon contamination	Ponding/ Run-off/ Frozen Ground	Lab report no.	TPH concentration (µg/L)	Borehole No.	Lab report no.	TPH concentration (µg/L)	Groundwater level (mbgl)
19/09/2011	1	3	MJP	No	No	119678	<10	--	--	--	--
20/09/2011	1	3	MJP	No	No	119678	<10	--	--	--	--
21/09/2011	1	3	MJP	No	No	59472	<10	--	--	--	--
22/09/2011	1	3	MJP	No	No	139841	<10	112	139841	<10	21.69
22/09/2011	2	4	MJP	No	No	139841	<10	112	139841	<10	21.69
23/09/2011	2	4	MJP	No	No	139896	<10	--	--	--	--
26/09/2011	2	4	MJP	No	No	119792	<10	--	--	--	--
27/09/2011	2	4	MJP	No	No	119792	<10	--	--	--	--
29/09/2011	2	n/a	MJP	n/a	n/a	n/a	n/a	112	119883	<10	21.69
23/09/2011	4	3	MJP	No	No	139896	<10	--	--	--	--
29/09/2011	4	n/a	MJP	n/a	n/a	n/a	n/a	104	119883	<10	18.90
27/09/2011	6	2	MJP	No	No	119792	<10	--	--	--	--
28/09/2011	6	2	MJP	No	No	119880	<10	--	--	--	--
29/09/2011	6	n/a	MJP	n/a	n/a	n/a	n/a	101	119883	<10	20.80
29/09/2011	6	3	MJP	No	No	119880	<10	108	119883	<10	18.64
29/09/2011	6	n/a	MJP	n/a	n/a	n/a	n/a	110	119883	<10	7.09
29/09/2011	6	n/a	MJP	n/a	n/a	n/a	n/a	118	119883	<10	7.83
19/09/2011	8	4	MJP	No	No	119678	<10	--	--	--	--
20/09/2011	8	4	MJP	No	No	119678	<10	--	--	--	--
21/09/2011	8	4	MJP	No	No	59472	<10	--	--	--	--
22/09/2011	8	n/a	MJP	n/a	n/a	n/a	n/a	211	139841	<10	4.30

Discharge Area Inspection Record

Project	UHCMS	Project No.	1246DOR	Month/Year	Oct-11
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Date	Discharge Area	GAC No.	Inspected by	Discharge Area Inspection		Compliance testing		Discharge Area Groundwater Monitoring			
				Visual/olfactory evidence of hydrocarbon contamination	Ponding/Run-off/Frozen Ground	Lab report no.	TPH concentration (µg/L)	Borehole No.	Lab report no.	TPH concentration (µg/L)	Groundwater level (mbgl)
03/10/2011	1	1	MJP	No	No	59679	<10	--	--	--	--
04/10/2011	1	1	MJP	No	No	140161	<10	--	--	--	--
05/10/2011	1	1	MJP	No	No	--	--	--	--	--	--
12/10/2011	4	7	MJP	No	No	150108a	<10	--	--	--	--
13/10/2011	4	7	MJP	No	No	150108a	<10	--	--	--	--
05/10/2011	7	1	MJP	No	No	--	--	--	--	--	--
06/10/2011	7	1	MJP	No	No	--	--	--	--	--	--
10/10/2011	7	1	MJP	No	No	--	--	203	59889	<10	9.83
11/10/2011	7	1	MJP	No	No	59889	<10	--	--	--	--
12/10/2011	7	1	MJP	No	No	--	--	--	--	--	--
13/10/2011	7	1	MJP	No	No	150108a	<10	--	--	--	--
20/10/2011	15	3	MJP	No	No	--	--	--	--	--	--
21/10/2011	15	3	MJP	No	No	--	--	--	--	--	--
22/10/2011	15	3	MJP	No	No	--	--	--	--	--	--
24/10/2011	15	3	MJP	No	No	--	--	--	--	--	--
25/10/2011	15	3	MJP	No	No	160106	<10	--	--	--	--
26/10/2011	15	3	MJP	No	No	--	--	--	--	--	--
27/10/2011	15	3	MJP	No	No	--	--	--	--	--	--
28/10/2011	15	3	MJP	No	No	--	--	BH218	150417	<10	
						--	--	BH106	150417	<10	
						--	--	BH116	150417	<10	
31/10/2011	15	3	MJP	No	No	150417	<10	--	--	--	--
01/10/2011	15	3	MJP	No	No	--	--	--	--	--	--

Discharge Area Inspection	Compliance testing	Discharge Area Groundwater Monitoring
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Date	Discharge Area	GAC No.	Inspected by	Visual/olfactory evidence of hydrocarbon contamination	Ponding/Run-off/Frozen Ground	Lab report no.	TPH concentration (µg/L)	Borehole No.	Lab report no.	TPH concentration (µg/L)	Groundwater level (mbgl)
21/10/2011	15	6	MJP	No	No	--	--	--	--	--	--
24/10/2011	15	6	MJP	No	No	--	--	--	--	--	--
25/10/2011	15	6	MJP	No	No	160106	<10	--	--	--	--
26/10/2011	15	6	MJP	No	No	--	--	--	--	--	--
27/10/2011	15	6	MJP	No	No	--	--	--	--	--	--
27/10/2011	15	6	MJP	No	No	--	--	BH106	150417	<10	
27/10/2011	15	6	MJP	No	No	--	--	BH116	150417	<10	
29/10/2011	15	6	MJP	No	No	--	--	--	--	--	--
31/10/2011	15	6	MJP	No	No	150417	<10	--	--	--	--
21/10/2011	17	1	MJP	No	No	--	--	--	--	--	--
22/10/2011	17	1	MJP	No	No	--	--	--	--	--	--
24/10/2011	17	1	MJP	No	No	--	--	--	--	--	--
25/10/2011	17	1	MJP	No	No	160106	<10	--	--	--	--
26/10/2011	17	1	MJP	No	No	--	--	--	--	--	--
27/10/2011	17	1	MJP	No	No	--	--	--	--	--	--
28/10/2011	17	1	MJP	No	No	--	--	BH218	150417	<10	
								BH106	150417	<10	
								BH116	150417	<10	

Discharge Area Inspection Record

Project	UHCMS	Project No.	1246DOR	Month/Year	Nov-11
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Date	Discharge Area	GAC No.	Inspected by	Discharge Area Inspection		Compliance testing		Discharge Area Groundwater Monitoring			
				Visual/olfactory evidence of hydrocarbon contamination	Ponding/Run-off/Frozen Ground	Lab report no.	TPH concentration (µg/L)	Borehole No.	Lab report no.	TPH concentration (µg/L)	Groundwater level (mbgl)
15/11/2011	7	7	MJP	No	No	--	--	--	--	--	--
16/11/2011	7	7	MJP	No	No	--	--	--	--	--	--
01/11/2011	16	1	MJP	No	No	141014	<10	Refer to monitoring of BH218, 116 and 106 conducted on the 28th of October and final round monitoring.			
02/11/2011	16	1	MJP	No	No	141014	<10				
03/11/2011	16	1	MJP	No	No	141014	<10				
01/11/2011	17	6	MJP	No	No	141014	<10				
02/11/2011	17	6	MJP	No	No	141014	<10				
03/11/2011	17	6	MJP	No	No	141014	<10				

Discharge Area Inspection Record

Project	UHCMS	Project No.	1246DOR	Month/Year	Dec-11
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Date	Discharge Area	GAC No.	Inspected by	Discharge Area Inspection		Compliance testing		Discharge Area Groundwater Monitoring			
				Visual/olfactory evidence of hydrocarbon contamination	Ponding/Run-off/Frozen Ground	Lab report no.	TPH concentration (µg/L)	Borehole No.	Lab report no.	TPH concentration (µg/L)	Groundwater level (mbgl)
05/12/2011	7	7	MJP	No	No	103509	<10	203	103509	<10	9.91
06/12/2011	7	7	MJP	No	No	--	--	--	--	--	--
07/12/2011	7	7	MJP	No	No	--	--	--	--	--	--
08/12/2011	7	7	MJP	No	No	--	--	--	--	--	--
09/12/2011	7	7	MJP	No	No	--	--	--	--	--	--
12/12/2011	7	7	MJP	No	No	103656	<10	203	103656	<10	9.90
13/12/2011	7	7	MJP	No	No	--	--	--	--	--	--
14/12/2011	7	7	MJP	No	No	--	--	--	--	--	--
15/12/2011	7	7	MJP	No	No	161207	<10	203	161205	<10	9.90
16/12/2011	7	7	MJP	No	No	--	--	--	--	--	--
17/12/2011	7	7	MJP	No	No	--	--	--	--	--	--
19/12/2011	7	7	MJP	No	No	--	--	--	--	--	--
20/12/2011	7	7	MJP	No	No	--	--	--	--	--	--
21/12/2011	7	7	MJP	No	No		AWAITING	203		AWAITING	9.90

Discharge Authorisation Daily Compliance Monitoring

Project UHCMS

Project No. 1246DOR

Month/Year Sep-11

Date	GAC No.	Serving POL/Tank No.	Discharge volume					
			Flowmeter at start (m ³)	Flowmeter at finish (m ³)	Total discharged (m ³)	Discharge Area No.	Discharging to tank	Discharging to process
26/09/2011	1	17A	0.0	0.5	0.5	--	17E	--
27/09/2011	1	17A	0.5	53.2	52.7	--	17E	--
28/09/2011	1	17C	53.2	89.3	36.1	--	17D	--
29/09/2011	1	17F	85.9	119.3	33.4	--	17B	--
27/09/2011	2	3A	0.5	101.5	101.0	6	--	--
28/09/2011	2	3A	101.5	189.5	88.0	6	--	--
28/09/2011	2	3B	189.5	265.3	75.8	6	--	--
29/09/2011	2	3B	265.3	310.7	45.4	6	--	--
19/09/2011	3	16	644.0	693.5	49.5	1	--	--
20/09/2011	3	16	693.5	787.3	93.8	1	--	--
21/09/2011	3	16	787.3	812.5	25.2	1	--	--
22/09/2011	3	16	812.5	829.0	16.5	1	--	--
23/09/2011	3	12A	829.0	837.0	8.0	4	--	--
23/09/2011	3	12B	837.0	851.0	14.0	4	--	--
19/09/2011	4	9	0.0	56.0	56.0	8	--	--
20/09/2011	4	9	56.0	108.2	52.2	8	--	--
21/09/2011	4	9	108.2	188.1	79.9	8	--	--
22/09/2011	4	14A	188.1	196.0	7.9	2	--	--
23/09/2011	4	14A	196.0	261.4	65.4	2	--	--
26/09/2011	4	14A	261.4	370.5	109.1	2	--	--
27/09/2011	4	14B	370.5	564.8	194.3	2	--	--
30/09/2011	5	23B	564.8	594.3	29.6	--	23A	--

Discharge Authorisation Daily Compliance Monitoring

Project UHCMS

Project No. 1246DOR

Month/Year Oct-11

Date	GAC No.	Serving POL/Tank No.	Discharge volume					
			Flowmeter at start (m ³)	Flowmeter at finish (m ³)	Total discharged (m ³)	Discharge Area No.	Discharging to tank	Discharging to process
03/10/2011	1	17K	1121.0	1175.0	54.0	1	--	--
04/10/2011	1	17M	1175	1227	52.0	1	--	--
05/10/2011	1	1	1227	1236	9.0	7	--	--
06/10/2011	1	1	1236	1356	120.0	7	--	--
13/10/2011	1	1	1356	1395	39.0	7	--	--
21/10/2011	1	7	1395	1443	48.0	17	--	--
22/10/2011	1	7	1443	1504	61.0	17	--	--
24/10/2011	1	7/8	1504	1569	65.0	17	--	--
25/10/2011	1	7/8	1569	1632	63.0	17	--	--
26/10/2011	1	8	1632	1691	59.0	17	--	--
27/10/2011	1	8	1691	1773	82.0	17	--	--
20/10/2011	3	20G	642.5	698.0	55.5	15	--	--
20/10/2011	3	20H	698.0	753.0	55.0	15	--	--
21/10/2011	3	20J	753.0	807.3	54.3	15	--	--
22/10/2011	3	20K	807.3	861.5	54.2	15	--	--
24/10/2011	3	20L	861.5	916.4	54.9	15	--	--
25/10/2011	3	20M	916.4	971.5	55.1	15	--	--
26/10/2011	3	20A	971.5	1026.6	55.1	15	--	--
27/10/2011	3	20B	1026.6	1081.5	54.9	15	--	--
28/10/2011	3	20C	1081.5	1136.7	55.2	15	--	--
29/10/2011	3	20D	1136.7	1191.7	55.0	15	--	--
31/10/2011	3	20E	1191.7	1246.3	54.6	15	--	--
01/11/2011	3	20F	1246.3	1301.5	55.2	15	--	--

Date	GAC No.	Serving POL/Tank No.	Discharge volume					
			Flowmeter at start (m ³)	Flowmeter at finish (m ³)	Total discharged (m ³)	Discharge Area No.	Discharging to tank	Discharging to process
03/10/2011	5	23B	563.2	593.2	30.0	--	23A	--
04/10/2011	5	23B	593.2	669.4	76.2	--	23A	--
05/10/2011	5	23B	669.4	627.5	41.9	--	23A	--
06/10/2011	5	23B	627.5	726.5	99.0	--	23A	--
07/10/2011	5	23B	726.5	820.8	94.3	--	23A	--
10/10/2011	5	23B	820.8	841.5	20.7	--	23A	--
21/10/2011	6	25B	994.4	1049.7	55.3	15	--	--
24/10/2011	6	25B	1049.7	1151.6	101.9	15	--	--
25/10/2011	6	25B	1151.6	1238.9	87.3	15	--	--
26/10/2011	6	25B	1238.9	1380.4	141.5	15	--	--
27/10/2011	6	25A	1380.4	1449.9	69.5	15	--	--
28/10/2011	6	25A	1449.9	1572.4	122.5	15	--	--
29/10/2011	6	25A	1572.4	1679.3	106.9	15	--	--
31/10/2011	6	25A	1679.3	1807.7	128.4	15	--	--
12/10/2011	7	22	841.5	898.1	56.6	4	--	--
13/10/2011	7	22	898.1	993.1	95.0	4	--	--

Discharge Authorisation Daily Compliance Monitoring

Project UHCMS

Project No. 1246DOR

Month/Year Nov-11

Date	GAC No.	Serving POL/Tank No.	Discharge volume					
			Flowmeter at start (m ³)	Flowmeter at finish (m ³)	Total discharged (m ³)	Discharge Area No.	Discharging to tank	Discharging to process
01/11/2011	1	6	1808.4	1857	48.6	17	--	--
02/11/2011	1	6	1857	1932	75.0	17	--	--
03/11/2011	1	6	1932	1997	65.0	17	--	--
01/11/2011	6	5A	1708.8	1803	94.2	16	--	--
02/11/2011	6	5A	1803	1876	73.0	16	--	--
02/11/2011	6	5B	1876	1909	33.0	16	--	--
03/11/2011	6	5B	1909	2065	156.0	16	--	--
15/11/2011	7	24	2040.0	2157.0	117.0	--	23B	--
16/11/2011	7	24	2157.0	2344.0	187.0	--	23B	--
17/11/2011	7	24	2344.0	2469.0	125.0	--	23B	--

Discharge Authorisation Daily Compliance Monitoring

Project UHCMS

Project No. 1246DOR

Month/Year Dec-11

Discharge volume								
Date	GAC No.	Serving POL/Tank No.	Flowmeter at start (m ³)	Flowmeter at finish (m ³)	Total discharged (m ³)	Discharge Area No.	Discharging to tank	Discharging to process
02/12/2011	7	24	2469.0	2505.0	36.0	--	--	Process
05/12/2011	7	24	2505.0	2532.0	27.0	7	--	--
06/12/2011	7	24	2532.0	2568.0	36.0	7	--	--
07/12/2011	7	24	2568.0	2597.0	29.0	7	--	--
08/12/2011	7	24	2597.0	2630.0	33.0	7	--	--
09/12/2011	7	24	2630.0	2664.0	34.0	7	--	--
12/12/2011	7	24	2664.0	2699.0	35.0	7	--	--
13/12/2011	7	24	2699.0	2736.0	37.0	7	--	--
14/12/2011	7	24	2736.0	2771.0	35.0	7	--	--
15/12/2011	7	24	2771.0	2802.0	31.0	7	--	--
16/12/2011	7	24	2802.0	2842.0	40.0	7	--	--
17/12/2011	7	24	2842.0	2888	46.0	7	--	--
19/12/2011	7	24	2888.0	2956	68.0	7	--	--
20/12/2011	7	24	2956	3012	56.0	7	--	--
21/12/2011	7	24	3012	3051	39.0	7	--	--

Batching process water sources and water movements

POL Ref	Tank Ref (Facility No.)	Tank Volume (m ³)	Percentage filled based on reported tank capacity	Estimated volume of water (L)	Discharge to process	Comment
POL 2	2A	55	100.0%	55,000	55,000	Transferred to POL23B (contaminated tank), treated through water treatment plant and discharged to POL23A (clean tank) prior to use in PFA batching process
	2B	55	100.0%	55,000	55,000	
	2C	55	100.0%	55,000	55,000	
	2D	55	100.0%	55,000	55,000	
	2E	55	100.0%	55,000	55,000	
	2F	55	100.0%	55,000	55,000	
	2G	55	100.0%	55,000	55,000	
	2H	55	100.0%	55,000	55,000	
	2J	55	100.0%	55,000	55,000	
	2K	55	100.0%	55,000	55,000	
	2L	55	100.0%	55,000	55,000	
POL 10	9B	189	99.2%	187,549	187,549	TPH below detection limit (<10µg/L)
	10A	189	89.8%	168,210	168,210	TPH below detection limit (<10µg/L)
	10B	189	99.5%	188,055	188,055	TPH below detection limit (<10µg/L)
POL 11	11	189	80.9%	152,977	152,977	TPH below detection limit (<10µg/L)
POL 13	13	189	95.3%	180,050	180,050	TPH below detection limit (<10µg/L)
POL 15	15B	188	100.0%	188,000	188,000	TPH below detection limit (<10µg/L)
	15C	188	100.0%	188,000	188,000	TPH below detection limit (<10µg/L)
POL 17	17A	55	97.9%	40,652	40,652	Treated to POL17E prior to transfer to POL23A for use in PFA batching process
	17B	55	73.9%	38,500	38,500	TPH below detection limit (<10µg/L)
	17C	55	68.7%	37,786	37,786	Treated to POL17E prior to transfer to POL23A for use in PFA batching process
	17D	55	52.9%	26,280	26,280	TPH below detection limit (<10µg/L)
	17F	55	60.9%	33,478	33,478	Treated to POL17E prior to transfer to POL23A for use in PFA grout process
	17G	55	7.1%	1,180	1,180	TPH below detection limit (<10µg/L)
	17H	55	96.3%	50,278	50,278	TPH below detection limit (<10µg/L)
	17J	55	98.1%	51,067	51,067	TPH below detection limit (<10µg/L)
	17L	55	99.4%	51,616	51,616	TPH below detection limit (<10µg/L)
POL 23	23A	4,440	16.8%	746,218	746,218	TPH below detection limit (<10µg/L)
	23B	1,947	19.9%	387,662	387,662	Treated from POL23B to POL23A (clean tank) through water treatment plant prior to use in PFA batching process
POL 21	21A	736	5.5%	40,329	0	Transferred to POL24 via vacuum tanker, treated and discharged to Discharge Area 7
	21B	736	13.4%	98,301	0	
	21C	1,453	11.3%	164,209	0	