

Zach Toellner
HES Professional



Marathon Oil Company
743 Horizon Court
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Carlos Lujan
Colorado Oil and Gas Conservation Commission
796 Megan Ave., Suite 201
Rifle, CO 81650

Re: Laydown Yard Complex Pond C, Facility ID# 417873

June 25, 2013

Dear Mr. Lujan:

Marathon Oil Company respectfully submits the attached Form 19, regarding the accidental valve misalignment which resulted in produced water entering our freshwater Pond C. All water is currently contained within Pond C and associated piping.

Marathon discovered the valve misalignment the evening of June 21st, and determined produced water had entered Pond C by comparing current TDS readings with readings from water withdrawn from the pond prior to the event.

Marathon took initial laboratory samples of Pond C and expects results by June 22nd for comparison with table 910-1 standards. Additionally, Marathon is taking samples from Pond C at both the top and bottom of the pond on June 25th, and expects to receive those samples by June 27th.

As a precautionary measure, Marathon is erecting flagging over Pond C to limit exposure to migratory birds in the area. Additional protective measures will be taken as appropriate when sample results are received.

All water is confined to Pond C, which has an intact liner system. Pond C was holding about 25,000 bbls of freshwater, and Marathon believes 600 – 950 bbls of produced water entered the facility.

Please contact me with any questions, comments, or concerns.

Sincerely,

Zach Toellner
HES Professional

Attached:

Form 19 Spill Report

State of Colorado
Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80203 (303)894-2100 Fax:(303)894-2109



FOR OGCC USE ONLY

RECEIVED
6/26/2013

SPILL/RELEASE REPORT

This form is to be submitted by the party responsible for the oil and gas spill or release. Any spill or release which may impact waters of the State must be reported as soon as practicable; any spill over 20 bbls must be reported within 24 hours and all spills over five bbls must be reported within ten days. Submit a Site Investigation and Remediation Workplan (Form 27) when requested by the Director.

Spill report taken by:

FACILITY ID:
417873

OPERATOR INFORMATION

Name of Operator: _____ OGCC Operator No: _____	Phone Numbers
Address: _____	No: _____
City: _____ State: _____ Zip: _____	Fax: _____
Contact Person: _____	E-Mail: _____

DESCRIPTION OF SPILL OR RELEASE

Date of Incident: _____ Facility Name & No.: _____	County: _____
Type of Facility (well, tank battery, flow line, pit): _____	QtrQtr: _____ Section: _____
Well Name and Number: _____	Township: _____ Range: _____
API Number: _____	Meridian: _____
Specify volume spilled and recovered (in bbls) for the following materials:	
Oil spilled: _____ Oil recov'd: _____ Water spilled: _____ Water recov'd: _____ Other spilled: _____ Other recov'd: _____	
Ground Water impacted? Yes No	Surface Water impacted? Yes No
Contained within berm? Yes No	Area and vertical extent of spill: _____ x _____
Current land use: _____	Weather conditions: _____
Soil/geology description: _____	
IF LESS THAN A MILE , report distance IN FEET to nearest.... Surface water: _____ wetlands: _____ buildings: _____	
Livestock: _____ water wells: _____ Depth to shallowest ground water: _____	
Cause of spill (e.g., equipment failure, human error, etc.): _____ Detailed description of the spill/release incident: _____	

CORRECTIVE ACTION

Describe immediate response (how stopped, contained and recovered):

Describe any emergency pits constructed:

How was the extent of contamination determined:

Further remediation activities proposed (attach separate sheet if needed):

Describe measures taken to prevent problem from reoccurring:

OTHER NOTIFICATIONS

List the parties and agencies notified (County, BLM, EPA, DOT, Local Emergency Planning Coordinator or other).

Date	Agency	Contact	Phone	Response

Spill/Release Tracking No: **2145389**

Technical Report for

Marathon Oil

MOC Fresh Water Pond Samples

Accutest Job Number: D47526

Sampling Date: 06/21/13

Report to:

**Marathon Oil Company
743 Horizon Court Suite 220
Grand Junction, CO 81056
zjoellner@marathonoil.com; btalancon@marathonoil.com
ATTN: Ben Talancon**

Total number of pages in report: 13



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

**Scott Heideman
Laboratory Director**

Client Service contact: Ann Doerr 303-425-6021

Certifications: CO (CO00049), ID, NE (CO00049), ND (R-027), NJ (CO 0007), OK (D9942), UT (NELAP CO00049), TX (T104704511)

This report shall not be reproduced, except in its entirety, without the written approval of Accutest Laboratories.
Test results relate only to samples analyzed.

Sample Summary

Marathon Oil

Job No: D47526

MOC Fresh Water Pond Samples

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
D47526-1	06/21/13	18:30 BT	06/25/13	AQ	Water	MOC POND C
D47526-2	06/21/13	19:00 BT	06/25/13	AQ	Water	MOC POND A

Report of Analysis

Client Sample ID: MOC POND C		
Lab Sample ID: D47526-1		Date Sampled: 06/21/13
Matrix: AQ - Water		Date Received: 06/25/13
Method: SW846 8260B		Percent Solids: n/a
Project: MOC Fresh Water Pond Samples		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3V25244.D	1	06/25/13	BR	n/a	n/a	V3V1486
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	0.0583	0.0010	0.00027	mg/l	
108-88-3	Toluene	0.177	0.0020	0.0010	mg/l	
100-41-4	Ethylbenzene	0.0050	0.0020	0.00033	mg/l	
1330-20-7	Xylene (total)	0.132	0.0030	0.0020	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	109%		62-130%
2037-26-5	Toluene-D8	109%		70-130%
460-00-4	4-Bromofluorobenzene	100%		69-130%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: MOC POND C	Date Sampled: 06/21/13
Lab Sample ID: D47526-1	Date Received: 06/25/13
Matrix: AQ - Water	Percent Solids: n/a
Method: SW846 8015B	
Project: MOC Fresh Water Pond Samples	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FA11939.D	1	06/25/13	AV	n/a	n/a	GFA730
Run #2							

Run #	Initial Volume	Final Volume
Run #1	1.0 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
67-56-1	Methanol	ND	0.50	0.40	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
71-36-3	n-Butyl Alcohol	76%		25-169%		

ND = Not detected	MDL - Method Detection Limit	J = Indicates an estimated value
RL = Reporting Limit		B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range		N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: MOC POND C		
Lab Sample ID: D47526-1		Date Sampled: 06/21/13
Matrix: AQ - Water		Date Received: 06/25/13
Method: SW846 8015B		Percent Solids: n/a
Project: MOC Fresh Water Pond Samples		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GA18997.D	1	06/25/13	BR	n/a	n/a	GGA1076
Run #2							

Run #	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	1.27	0.20	0.10	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
120-82-1	1,2,4-Trichlorobenzene	105%		60-140%		

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J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: MOC POND C		
Lab Sample ID: D47526-1		Date Sampled: 06/21/13
Matrix: AQ - Water		Date Received: 06/25/13
Method: SW846-8015B SW846 3510C		Percent Solids: n/a
Project: MOC Fresh Water Pond Samples		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FD25787.D	1	06/26/13	TU	06/25/13	OP8088	GFD1272
Run #2							

Run #	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	0.322	0.20	0.18	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
84-15-1	o-Terphenyl	64%		20-140%		

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: MOC POND C	Date Sampled: 06/21/13
Lab Sample ID: D47526-1	Date Received: 06/25/13
Matrix: AQ - Water	Percent Solids: n/a
Project: MOC Fresh Water Pond Samples	

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chloride	229	10	mg/l	20	06/25/13 16:52	SK	EPA 300.0/SW846 9056
Sulfate	99.8	2.5	mg/l	5	06/25/13 14:15	SK	EPA 300.0/SW846 9056

RL = Reporting Limit

Report of Analysis

Client Sample ID: MOC POND A	Date Sampled: 06/21/13
Lab Sample ID: D47526-2	Date Received: 06/25/13
Matrix: AQ - Water	Percent Solids: n/a
Method: SW846 8260B	
Project: MOC Fresh Water Pond Samples	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3V25245.D	1	06/25/13	BR	n/a	n/a	V3V1486
Run #2							

Run #	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	0.0010	0.00027	mg/l	
108-88-3	Toluene	ND	0.0020	0.0010	mg/l	
100-41-4	Ethylbenzene	ND	0.0020	0.00033	mg/l	
1330-20-7	Xylene (total)	ND	0.0030	0.0020	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	112%		62-130%
2037-26-5	Toluene-D8	101%		70-130%
460-00-4	4-Bromofluorobenzene	93%		69-130%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: MOC POND A	Date Sampled: 06/21/13
Lab Sample ID: D47526-2	Date Received: 06/25/13
Matrix: AQ - Water	Percent Solids: n/a
Method: SW846 8015B	
Project: MOC Fresh Water Pond Samples	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FA11940.D	1	06/25/13	AV	n/a	n/a	GFA730
Run #2							

Run #	Initial Volume	Final Volume
Run #1	1.0 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
67-56-1	Methanol	ND	0.50	0.40	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
71-36-3	n-Butyl Alcohol	82%		25-169%		

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: MOC POND A	Date Sampled: 06/21/13
Lab Sample ID: D47526-2	Date Received: 06/25/13
Matrix: AQ - Water	Percent Solids: n/a
Method: SW846 8015B	
Project: MOC Fresh Water Pond Samples	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GA18998.D	1	06/25/13	BR	n/a	n/a	GGA1076
Run #2							

Run #	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.20	0.10	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
120-82-1	1,2,4-Trichlorobenzene	104%		60-140%		

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: MOC POND A	
Lab Sample ID: D47526-2	Date Sampled: 06/21/13
Matrix: AQ - Water	Date Received: 06/25/13
Method: SW846-8015B SW846 3510C	Percent Solids: n/a
Project: MOC Fresh Water Pond Samples	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FD25788.D	1	06/26/13	TU	06/25/13	OP8088	GFD1272
Run #2							

Run #	Initial Volume	Final Volume
Run #1	1060 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	0.191	0.19	0.17	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
84-15-1	o-Terphenyl	78%		20-140%		

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: MOC POND A		Date Sampled: 06/21/13
Lab Sample ID: D47526-2		Date Received: 06/25/13
Matrix: AQ - Water		Percent Solids: n/a
Project: MOC Fresh Water Pond Samples		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chloride	148	2.5	mg/l	5	06/25/13 14:26	SK	EPA 300.0/SW846 9056
Sulfate	325	10	mg/l	20	06/25/13 17:03	SK	EPA 300.0/SW846 9056

RL = Reporting Limit