



Kerr-McGee Oil & Gas Onshore LP  
1099 18<sup>th</sup> Street, Suite 1800  
Denver, Colorado 80202  
720-929-6000 Fax 720-929-7000

June 6, 2011

Mr. John Axelson  
Colorado Oil and Gas Conservation Commission  
1120 Lincoln Street, Suite 801  
Denver, CO 80203

**RE: 2010 Annual Project Summary Report  
Kerr-McGee Oil & Gas Onshore LP**

Dear Mr. Chesson:

Enclosed please find a copy of the 2010 Annual Project Summary Report. As per the attached LT Environmental (LTE) cover letter, this 2010 Annual Project Summary Report consists of the Assessment/Remediation Project Inventory Table, site diagrams and historic groundwater laboratory analytical and field results tables. Please note that the attached LTE cover letter references four requests for groundwater monitoring well reduction for your review and response.

Feel free to contact me at 720-929-6726 if you have any questions regarding this information.

Sincerely,

Kerr-McGee Oil & Gas Onshore LP

Paul D. Schneider, P.G.  
Sr. Staff EHS Representative

Attachments



COMPLIANCE / ENGINEERING / REMEDIATION

May 31, 2011



LT Environmental Inc.  
4600 W. 60<sup>th</sup> Avenue  
Arvada, Colorado 80003  
T 303.433.9788 / F 303.433.1432

Mr. Paul D. Schneider  
Staff Environmental & Regulatory Analyst  
Kerr-McGee Oil & Gas Onshore LP  
1099 18<sup>th</sup> Street, Suite 1800  
Denver, Colorado 80202

**RE: Kerr-McGee Oil & Gas Onshore LP 2010 Annual Project Summary Report**

Dear Mr. Schneider:

LT Environmental, Inc. (LTE), under contract to Kerr-McGee Oil & Gas Onshore LP (KM), is pleased to provide you with a copy of the 2010 Annual Project Summary Report. This 2010 Annual Project Summary Report consists of the 2010 Annual Project Summary Table, which provides the individual site incident date, the Colorado Oil and Gas Conservation Commission (COGCC) Remediation Number, well name, site status, review of the groundwater analytical data with respect to the Colorado Groundwater Quality Standards (CGWQS) and recommendations for no further action (NFA), ongoing quarterly groundwater monitoring, groundwater monitoring well reduction and/or additional soil and groundwater assessment activities to be conducted during 2011. Site maps (Figure 1), groundwater analytical summary tables (Table 1) and where appropriate, soil and/or surface water analytical summary tables (Table 2) are also provided for each site.

Based on review of the 2010 Annual Project Summary Report a number of sites warrant groundwater monitoring well reduction. These sites show the benzene, toluene, ethylbenzene and total xylenes (BTEX) concentrations to be below the CGWQS for three or more quarterly groundwater sampling events in one or more groundwater monitoring wells. A list of the sites and associated groundwater monitoring wells that well reduction is being requested for are listed below:

- Alleley 31-34 #1 (Remediation #473)  
MW04R, MW05 and MW08
- Pepler 1-36 (Remediation #3518)  
MW25 and MW29
- Bacon #1 (Remediation #3514)  
MW15 and MW24
- Dos Rios 14-34 (Remediation #3568)  
MW06 and MW08



Please contact me at (303) 962-5504 if you have any questions regarding this 2010 Annual Project Summary Report or require additional information.

Sincerely,

LT ENVIRONMENTAL, INC.

A handwritten signature in black ink, appearing to read "John Cocroft", written in a cursive style.

John E. Cocroft  
Senior Hydrogeologist/Project Manager

Attachments

## 2010 ANNUAL PROJECT SUMMARY TABLE

Incident Date	Remediation No.	Well Name	API	Status	NFA Proposed	NFA Approved Date	2010 Site Summary (monitoring/remediation/wells installed or destroyed)	Wells Sampled (Last Quarter) 2010	Wells Exceeding 5 ug/L Benzene (Last Quarter Sampled 2010)	Benzene Range (Last Quarter Sampled 2010)	POC Reached	2011 Recommendations	Well Reduction Request
4/12/2000	473	Alleley 31-34 #1	05-123-13105	Monitoring	NO	N/A	Quarterly groundwater monitoring since May-2000. Remediation - Carbon slurry (BOS 200) injection completed in Feb-2010. MW01R2 and MW10R destroyed June-2010. MW01R3 and MW10R2 installed Sept-2010.	MW01R3, MW04R, MW05, MW07R-MW12	MW01R3, MW07R, MW10R2	ND - 2,000	YES	Quarterly groundwater monitoring will continue.	Remove MW04R, MW05 and MW08 from the monitoring program.
1/28/2003	1752	Peppler 3-36	05-123-13289	NFA	YES	4/27/2011	Quarterly groundwater monitoring since June-2003. MW26 destroyed Sept-2010	MW12, MW19R, MW20, MW32	None	ND	YES	Monitoring wells will be abandoned.	N/A
11/30/2004	3518	Peppler 1-36	05-123-13270	Remediation	NO	N/A	Quarterly groundwater monitoring since Feb-2005. Remediation - Installed recovery culvert RC01 May-2010 and pulled 516 barrels of impacted groundwater from May to July-2010. MW09R destroyed May-2010. MW20 and MW27 removed from monitoring in 2010.	MW01R-MW08R, MW10R-MW14R, MW18, MW21-MW26, MW29R-MW30	MW02R, MW05, MW10R, MW23, RC01	ND - 320	YES	Remediation alternatives are being evaluated. Quarterly groundwater monitoring will continue.	Remove MW25 and MW29 from the monitoring program.
12/29/2004	3514	Bacon #1	05-123-10642	Monitoring	NO	N/A	Quarterly groundwater monitoring since March-2005. MW03R installed May-2010. MW05, MW16, MW18, MW19, MW25, MW26 and MW27 were removed from monitoring in 2010.	MW01, MW02, MW03R, MW04R, MW10, MW12, MW13-MW15, MW22, MW23, MW24	MW01, MW13	ND - 83	YES	Quarterly groundwater monitoring will continue.	Remove MW15 and MW24 from the monitoring program.
2/28/2005	3568	Dos Rios 14-34	05-123-13039	Remediation	NO	N/A	Quarterly groundwater monitoring since July-2005. Remediation - Carbon slurry (BOS 200) injection completed in June-2010.	MW01, MW03-MW09	MW03	ND - 230	YES	Additional Carbon slurry (BOS 200) injection may be completed in 2011 to polish "hot spots". Quarterly groundwater monitoring will continue.	Remove MW06 and MW08 from the monitoring program.
6/26/2008	4369	Wass #5	05-123-13781	Assessment	NO	N/A	Quarterly groundwater monitoring since April-2010. MW01-MW03 were installed April-2010. MW04-MW08 were installed June-2010. MW09-MW12 were installed Aug-2010. MW13 and MW14 were installed Nov-2010.	MW01-MW14	MW01, MW02, MW05, MW06, MW07, MW08, MW10, MW13	ND - 3,600	NO	Additional monitoring wells will be installed in order to reach POC. Quarterly groundwater monitoring will continue.	N/A
11/10/2008	4832	Ishiguro #6	05-123-12893	NFA	YES	4/15/2010	Monitoring wells were abandoned May-2010.	-	-	-	YES	N/A	N/A
1/8/2009	4518	Boresen #1	05-123-11972	NFA	YES	4/15/2010	Monitoring wells were abandoned May-2010.	-	-	-	YES	N/A	N/A
4/29/2009	4910	HSR-Selby 1-32/ Selby Pooling Unit #1	05-123-18399	NFA	YES	9/2/2010	Monitoring wells were abandoned Sept-2010.	-	-	-	YES	N/A	N/A
7/17/2009	4856	Brantner #1, Brantner #3, Boulter 17-34	05-123-11019	Monitoring	NO	N/A	Quarterly groundwater monitoring since Sept-2009. MW08 installed Dec-2010.	MW01-MW08	MW01-MW03	ND - 8,300	Yes	Quarterly groundwater and surface water monitoring will continue.	N/A

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12/29/2009	5187	Frank 18-8, 6-8, Zeiler 22-8, 19-8	05-123-26583	Assessment	NO	N/A	Quarterly groundwater monitoring since April-2010. MW01-MW03 installed April-2010. Temporary monitoring wells TMW04 and TMW05 were installed in Dec-2010.	MW01-MW03	MW03	ND - 210	NO	Temporary wells TMW04 and TMW05 will be sampled to determine if POC has been established. Quarterly groundwater monitoring will continue.	N/A
8/19/2010	5479	SEGL #1, #2, SEGL 17, 18, 21, 22, 3, 4, 7, 2-24	05-123-11776	Monitoring	NO	N/A	Quarterly groundwater monitoring since Sept-2010. MW01-MW04 installed Sept-2010.	MW01-MW04	None	ND	YES	Quarterly groundwater monitoring will continue. Potential NFA.	N/A