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## Fwd: Walden Praxair/Waterflood Facility - Update Report

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**Fischer - DNR, Alex** <alex.fischer@state.co.us>

Fri, Jun 14, 2013 at 2:17 PM

To: Tom Peterson <TPeterson@bonanzacrk.com>

Cc: Kris Neidel - DNR <kris.neidel@state.co.us>, OGCC EnviroScan - DNR <ogcc.enviroscan@state.co.us>, Peg Young <pyoung@bonanzacrk.com>

Tom,

The June 18, 2013 extension is granted. I will be in Grand Junction Mon-Tues. at the hearings.

Thanks  
Alex

On Fri, Jun 14, 2013 at 1:54 PM, Tom Peterson <TPeterson@bonanzacrk.com> wrote:

Alex,

Due to some rains in the Walden area during May, our surveyor was only able to complete the elevation data survey on Tuesday, June 11. Therefore, our consultant was only able to provide us with a draft document today. We would like to request a submission delay until at least the end of business on Tuesday, June 18, to allow us time to review and finalize the document.

Thanks,

Tom Peterson

Environmental Specialist

Bonanza Creek Energy, Inc.

410 17th Street, Suite 1500

Denver, CO 80202

720-440-6113 - office

720-982-8574 – cell

**From:** Fischer - DNR, Alex [mailto:[alex.fischer@state.co.us](mailto:alex.fischer@state.co.us)]

**Sent:** Monday, May 20, 2013 11:48 AM

**To:** Tom Peterson; Peg Young

**Cc:** Kris Neidel - DNR; OGCC EnviroScan - DNR

**Subject:** Fwd: Walden Praxair/Waterflood Facility - Update Report

Amber- please upload this email and the attached Update Report to Facility ID: 428915.

Tom-

The COGCC has reviewed the April 5, 2013 report received May 17, 2013 and has the following comments and is also requesting a Form 27, Site Investigation and Remediation Workplan.

- The report references field boring logs that were an attachment to the report. These were not attached.
- The report states the the MWs will be surveyed.
- The report mentions benzene results and does not discuss anything on the free product detected in MW03 and MW08. What is the thickness of the free product in these two monitoring wells?
- The report states that Bonanza Creek continues to conduct pressure testing on underground lines at the water flood facility and the the sources of petroleum hydrocarbon has not been identified and that once a source has been identifies, a remediation Scope of Work will be submitted.
- The report states that groundwater monitoring will continue on a quarterly basis.

Please provide the following by June 14, 2013:

- A Form 27 providing an update of the subsurface investigation including soil boring logs, the local shallow groundwater characteristics including potentiometric surface with groundwater flow direction and proposed method(s) for addressing the free product as well as the hydrocarbon plume. (Typically, the consultant will provide a professional opinion of the subsurface and impacted groundwater, etc.)
- Along with the Form 27, provide documentation for the underground lines that have been tested (it is implied that Bonanza Creek has tested some lines) and a schedule for when the remaining lines are to be tested.
- The Form 27 shall include a compliance schedule of activities that Bonanza Creek will be taking to identify the sources(s) of free product as well as remediating the site.
- To get a better understanding of the seasonal effects of the shallow groundwater, the groundwater levels and free product amount shall be measured on a monthly basis with sampling on a quarterly basis.

Thanks

Alex

On Fri, May 17, 2013 at 11:02 AM, Tom Peterson <[TPeterson@bonanzacrk.com](mailto:TPeterson@bonanzacrk.com)> wrote:

Alex,

Here is the update report from the first quarter on the sampling activities. We are scheduled to have another round of sampling next Monday, May 20 along with the Praxair sampling team. We should have another round of data available next month. Please advise if you have any questions or concerns.

Thanks,

Tom Peterson

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**Alex Fischer, P.G.**

**Environmental Supervisor, Western Colorado**

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