



STATE OF
COLORADO

Rem: 4462
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Gintautas - DNR, Peter <peter.gintautas@state.co.us>

RE: Project 4462 Update past 2012 work?

1 message

Schneider, Paul <Paul.Schneider@anadarko.com>

Mon, Dec 21, 2015 at 2:00 PM

To: "Gintautas - DNR, Peter" <peter.gintautas@state.co.us>

Cc: "Hamlin, Phil" <Phil.Hamlin@anadarko.com>, "Tom Glibota (tglibota@comcast.net)" <tglibota@comcast.net>

Hi Peter,

The monitoring well locations and groundwater analytical results for the subject site are depicted on Figure 1 and Table 1, respectively (see attached).

A summary table for the soil boring soil sample analytical results is provided as Table 2 and an updated Site Map that shows the soil boring locations, SVE well locations, and initial vs current estimated extents of impacted soil remaining in place is included as Figure 2.

Lastly, a table showing the TPH concentrations over time for the impacted soil boring locations is provided as Table 3.

Here is a brief description of the proposed remote solar SVE system:

The soil vapor extraction (SVE) system is currently a passive SVE system utilizing turbines to produce a small vacuum on the SVE wells when the wind is blowing. The SVE system will be converted to a solar powered system that will operate a blower capable of 20 cubic feet per minute (cfm) at 10 inches water vacuum. This switch will increase the rate of hydrocarbon remediation and reduce the remedial timeframe. The existing SVE wells will be cycled based on photo-ionization detector (PID) readings in order to optimize system operation and assess the progress of remedial efforts. Installation of the solar SVE system is anticipated by the end of 2015.

Let me know if you have any questions. Thanks.

Paul Schneider, PG

HSE Manager- Colorado

Anadarko Petroleum Corporation

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From: Gintautas - DNR, Peter [mailto:peter.gintautas@state.co.us]

Sent: Monday, December 14, 2015 5:32 PM

To: Schneider, Paul

Cc: Hamlin, Phil; Tom Glibota (tglibota@comcast.net)

Subject: Re: Project 4462 Update past 2012 work?

Paul I would like to see a summary of soils analytical data included in a brief update stating that you plan to modify the remediation as suggested above.

I will get the two docs provided into our image system associated with the project.

Peter Gintautas Ph.D.

Environmental Protection Specialist - Northeastern Colorado



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On Mon, Dec 14, 2015 at 3:45 PM, Schneider, Paul <Paul.Schneider@anadarko.com> wrote:

Hi Peter,

We previously submitted annual summaries for the Bachofer 25-21 #1 to COGCC for 2013 & 2014. I've attached them here. I do not have the soil sample data, but can get that for you if you would like to see it. Based on the soil sample data collected to date, we've determined that our passive SVE system is not as effective as hoped. Therefore, we have purchased a solar-powered SVE system, and anticipate having it deployed onsite by the end of the month. We expect a much more continuous (and, therefore, more effective) operation from the new system.

I've cc'd Tom Glibota on this email so that he can review the annual summaries as well. Let us know if you need anything else.

Paul Schneider, PG

HSE Manager- Colorado

Anadarko Petroleum Corporation

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From: Gintautas - DNR, Peter [mailto:peter.gintautas@state.co.us]

Sent: Monday, December 14, 2015 1:37 PM

To: Schneider, Paul; Hamlin, Phil

Subject: Project 4462 Update past 2012 work?

Gentlemen,

I was asked by a consultant (for the landowner?) about the current status of the remediation at the former production facility for the Vachofer 21-25 well. I think he said he had tried to contact Phil.

Is there 2013/2014 analytical data for the MWs and was some definition of the effectiveness of the soil remediation process done in 2013 as was suggested in the report of 2012 activities which is the last one in our image system?

Peter

Peter Gintautas Ph.D.
Environmental Protection Specialist - Northeastern Colorado



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 **Table 2 - Assessment Soil Results(12-17-15).pdf**
19K

 **Table 3 - Soil Results Comparison(12-17-15).pdf**
21K

 **KMG08428_FIG01_MW_2015.pdf**
313K

 **Table 1 - GW Results(12-17-15).pdf**
22K

 **KMG08428_FIG02_SITE_ASSESS_2015.pdf**
293K