

TA-3

Goering, Darlene, NMENV

SWMU 3-010(a) +
3-001(e)

From: Goering, Darlene, NMENV
Sent: Tuesday, January 31, 2006 8:50 AM
To: 'Enz, Robert D.'
Cc: 'dgregory@doeal.gov'
Subject: RE: 3-010(a) groundwater sampling

Bob,

This list is ok except you need to add bromide, fluoride, and the TPH analyses should be for both DRO and GRO. According to Section IX.B.2.i.i of the Order, you should be using a flow-through cell and collect, at a minimum, pH, specific conductance, DO, turbidity, redox potential, and temperature prior to sampling.

Thanks.

Darlene

From: Enz, Robert D. [mailto:REnz@doeal.gov]
Sent: Monday, January 30, 2006 2:59 PM
To: Goering, Darlene, NMENV
Cc: Young, John, NMENV; Gregory, David R.
Subject: FW: 3-010(a) groundwater sampling

Darlene,

Section IX.B.2.i not Section IX.B.s.i of the Order.

Darlene,

Sample list attached for the proposed quarterly sampling:

- Total organics is Total Organic Carbon.
- List includes all constituents found in the table of Section IX.B.s.i of the Order, plus TAL metals, mercury and radionuclides listed in the Jan. 17, 2006 sampling notification.
- List includes those contaminants previously listed.
- Filtered and unfiltered samples for the TAL metals and mercury.

We will not be sampling until we get the sampling list squared away. I will let you know the new sampling start date via phone or e-mail.

-----Original Message-----

From: Young, John, NMENV [mailto:john.young@state.nm.us]
Sent: Monday, January 30, 2006 11:56 AM
To: Enz, Robert D.; Gregory, David R.
Cc: Goering, Darlene, NMENV
Subject: RE: 3-010(a) groundwater sampling

Bob,



5806

To avoid confusion, NMED is requiring that all constituents listed on the table found in Section IX.B.2.i of the Order be sampled, in addition to the TAL metals, mercury and radionuclides listed in the January 17, 2006 sampling notification. Filtered and unfiltered

samples for the TAL metals and mercury must be collected and analyzed. Also, it is not clear to NMED what "total organics" constitutes (e.g., total organic carbon, VOCs, SVOCs, TPH all the above? Given the contaminants of concern at the site and adjacent SWMU, NMED requires that samples for those contaminants previously listed must be collected and analyzed. Darlene will follow up with any additional comments or concerns.

Let me know if you have any questions.

john

From: Enz, Robert D. [mailto:REnz@doeal.gov]
Sent: Friday, January 27, 2006 9:24 AM
To: Young, John, NMENV
Subject: RE: 3-010(a) groundwater sampling

John,

We are following the Consent Order with required to constituents and low-flow sampling. We are just including some additional parameters, beyond the Consent Order, on the analytical list.

-----Original Message-----

From: Young, John, NMENV [mailto:john.young@state.nm.us]
Sent: Thursday, January 26, 2006 2:37 PM
To: Enz, Robert D.
Cc: Goering, Darlene, NMENV; Gregory, David R.
Subject: 3-010(a) groundwater sampling

Bob,

After perusing the January 17th sampling notification for 3-010(a), NMED is requiring that the general chemistry parameters listed in the table located in Section IX.B.2.i of the Order must be analyzed for your characterization purposes. This list includes sulfate, nitrate and many more constituents (suspended sediment concentration is not required. Since VOCs are present, NMED also requires the use of an appropriate (non-peristaltic) low-flow capable pump be used to collect the samples in order to minimize volatilization of the solvents. As a reminder, the procedures for sample collection etc. outlined in IX.B.2.i must be followed.

Please define "total organics."

Let me know if you have any questions.

john

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Based on the Consent Order table and project specific analysis the following samples will be taken at SWMU 3-010(a):

Radionuclides:

- Isotopic Pu
- Tritium
- Gamma Spectroscopy
- Gross alpha/Beta

Organic Chemicals

- Volatile Organic Chemicals
- Semi Volatile Organic Chemicals
- Total Petroleum Hydrocarbons

Inorganic Chemicals

- Anions (EPA 301.1) (Plus Cl⁻, F⁻ Br⁻)
- Alkalinity (Bicarbonate/carbonate)
- Ammonia
- Total Phosphorus
- Phosphate
- Total Kjeldhal Nitrogen (TKN)
- Total Organic Carbon (TOC)
- Total dissolved Solids (TDS)
- Stable Isotopes (N14/N15 and O16/O18)
- Sulfate
- Sulfide
- Nitrate
- Nitrite
- Dissolved CO2
- Ferrous iron
- Ferric iron
- Dissolved Manganese
- Filtered TAL Metals (plus Bo, Si, Sr, Li and Mo)
- Unfiltered TAL Metals (plus Bo, Si, Sr, Li and Mo)