

NM1 - 9

**APPROVED
BACKGROUND
SAMPLING
PLAN**

2015

Jones, Brad A., EMNRD

From: Jones, Brad A., EMNRD
Sent: Monday, May 18, 2015 5:41 PM
To: 'Shacie Murray'
Cc: Ryan Davis
Subject: RE: NM1-9-0 Background Sampling Event

Shacie,

The Oil Conservation Division has reviewed the proposed supplemental facility background sampling plan dated May 18, 2015 and has determined that it is adequate. If you have any questions regarding this matter, please contact me.

Brad

Brad A. Jones
Environmental Engineer
EMNRD Oil Conservation Division
1220 S. Saint Francis Drive
Santa Fe, New Mexico 87505
E-mail: brad.a.jones@state.nm.us
Office: (505) 476-3487
Fax: (505) 476-3462

From: Shacie Murray [<mailto:shacie@merrion.bz>]
Sent: Monday, May 18, 2015 10:27 AM
To: Jones, Brad A., EMNRD
Cc: Ryan Davis
Subject: Re: NM1-9-0 Background Sampling Event

Brad,

Please see attached updated background sampling protocol. Changes to the testing constituents have been made per our phone call today. The sampling event is lined up to take place latter this week.

Thank you for your time,

Shacie Murray

Merrion Oil & Gas
Operations Department
(505) 324-5324
shacie@merrion.bz

On Thu, May 14, 2015 at 5:49 PM, Shacie Murray <shacie@merrion.bz> wrote:
Brad,

Please see attached purposed background soil sampling procedure. Upon your approval the sampling will immediately take place. If approved in time, the sampling event will take place Wednesday, May 20.

Thank you,

Shacie Murray

Merrion Oil & Gas
Operations Department
(505) 324-5324
shacie@merrion.bz

Jones, Brad A., EMNRD

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Sent: Monday, May 18, 2015 10:27 AM
To: Jones, Brad A., EMNRD
Cc: Ryan Davis
Subject: Re: NM1-9-0 Background Sampling Event
Attachments: 2015-05-18 NM1-9-0 BG Sampling.pdf

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Please see attached updated background sampling protocol. Changes to the testing constituents have been made per our phone call today. The sampling event is lined up to take place latter this week.

Thank you for your time,

Shacie Murray

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Merrion Oil & Gas
Operations Department
(505) 324-5324
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May 18, 2015

Mr. Brad Jones
Oil Conservation Division
New Mexico Energy, Minerals and
Natural Resources Department
1220 S. St. Francis Drive
Santa Fe, NM 87505

Re: Permit NM1-9-0
Background Soil Sampling Plan

Mr. Jones,

Please see and approve the attached background soil sampling procedure being purposed for the surface waste management facility permit NM1-9-0. The purposed background soil sampling in conjunction with the September 26, 2012 background soil sampling will create a single complete background for the facility. The purposed sampling event will be analyzed for constituents not present in the September background sampling but that are required by Subpart B of 19.15.36.15 NMAC, see procedure for list of exact constituents to be analyzed. Since the two sampling events are being combined to form a single record, we are being diligent to make sure the second sampling event resembles the first as close as possible. In the attached procedure there are maps showing the purposed location of samples, which are to be within a few feet of the original sample but not on top of the original. There is not a record of the depth of the September soil sampling so the depth of samples is being assumed to be between six (6) to twelve (12) inches below the ground surface.

Thank you for your patients and assistance in this matter. If you have any questions or concerns please contact me at shacie@merrion.bz or 505-324-5324.

Sincerely,

Agua Moss

Shacie Murray
Operations Department
shacie@merrion.bz

NM1-9-0 Background Sampling Procedure

Introduction

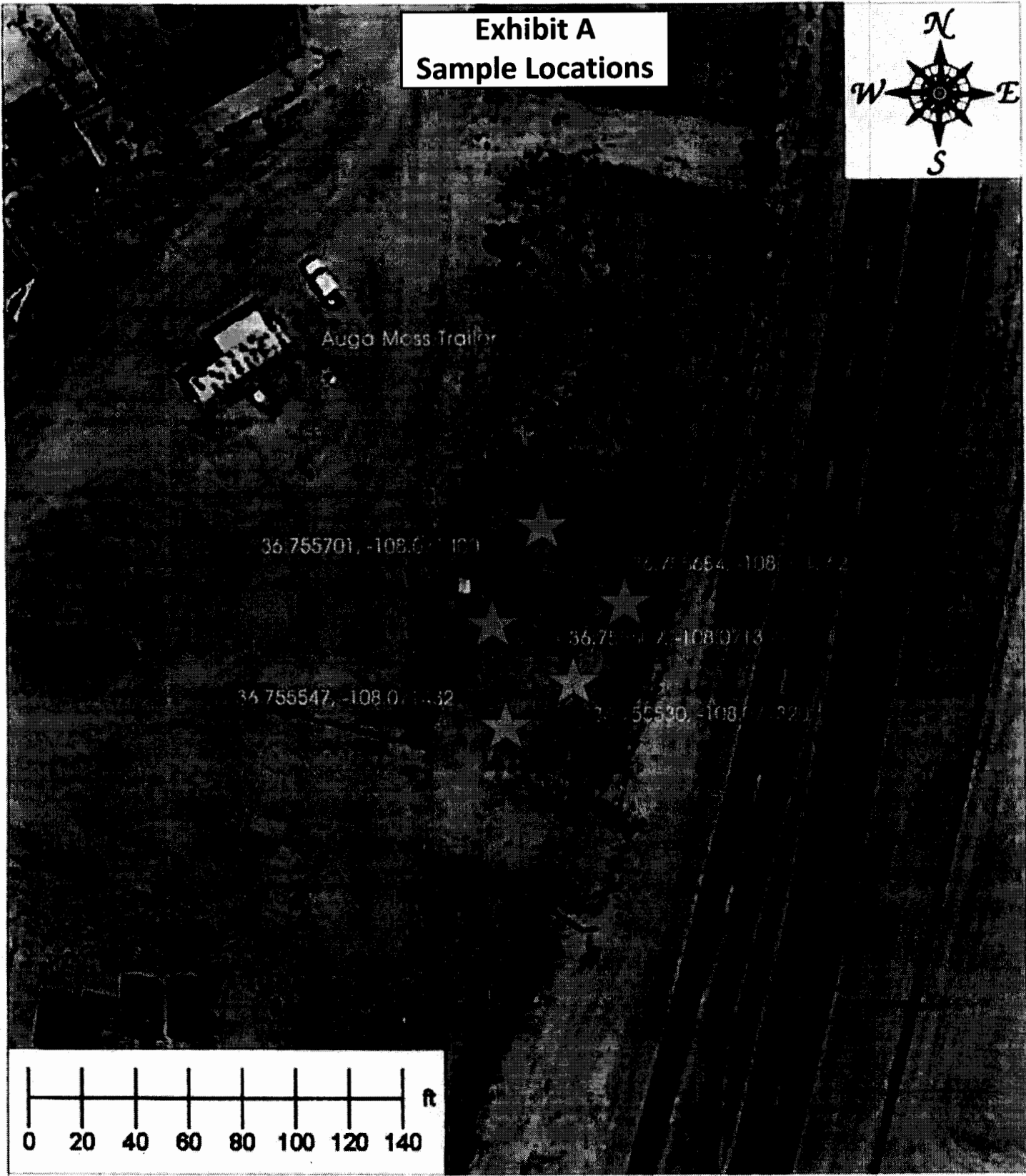
The following soil sampling procedures are for the surface waste management facility, permit NM1-9-0, located in Section 2, Township 29 North, Range 12 West, in San Juan County New Mexico. The results of the below described sampling will be combined with the results of the September 26, 2012 background soil sampling event to form one complete background for the facility. To establish one background from two separate sampling events the second sampling event will be performed in a manner as close to the original sampling as possible. The sampling will be performed by the same company, Envirotech, Inc., at close locations, see Exhibit A, and at an estimated similar depth. The depth is estimated because the depth of the September 26, 2012 sampling was not noted in the report or on any field notes. It is estimated that the 2012 samples were taken at a depth between six (6) to twelve (12) inches below original ground surface.

Activities to Perform

Two (2) composite soil samples consisting of five (5) discrete samples each will be taken at the locations described in Exhibit A. The location of the samples are within a few feet of the original samples, but not on top of them to ensure that the fill of the original sample holes are not being sampled. A hand auger will be utilized to collect the samples at a depth of six (6) to twelve (12) inches below original ground surface. Soil samples will be collected into four (4)=ounce glass jars, capped headspace free, and transported on ice, under chain of custody, to Envirotech’s Analytical Laboratory to be analyzed for the following constituents:

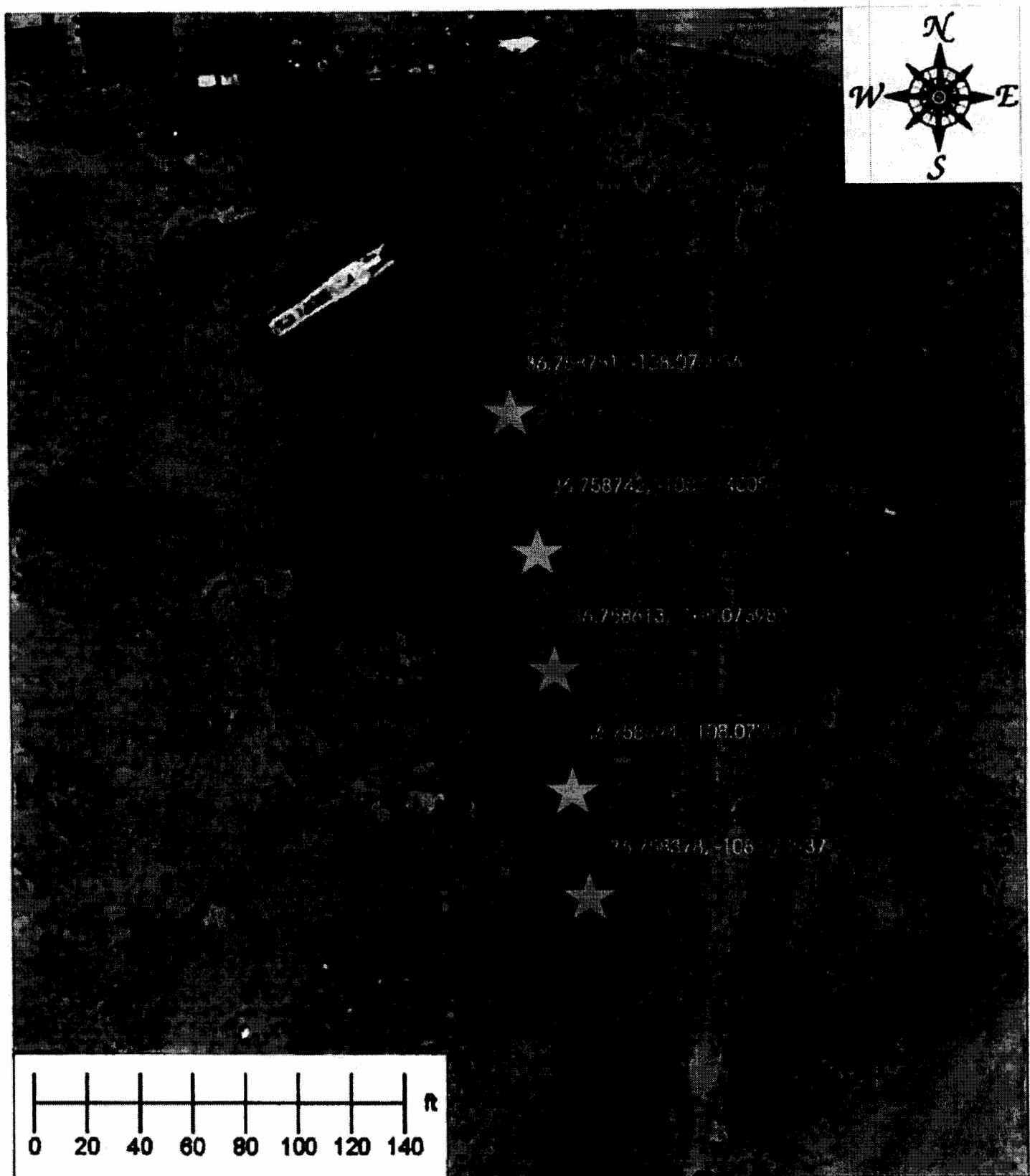
- | | |
|---|--|
| <ul style="list-style-type: none">• TPH, using method 418.1 <p><u>From Subsection A and B of 20.6.2.3103</u></p> <p><u>NMAC using approved EPA methods:</u></p> <ul style="list-style-type: none">• Uranium• Radioactivity: Combined Radium-226 & Radium-228• Polychlorinated biphenyls• Carbon Tetrachloride• 1,2-dichloroethane• 1,1-dichloroethylene• 1,1,2,2-tetrachloroethylene• 1,1,2-trichloroethylene• Methylene chloride | <ul style="list-style-type: none">• Chloroform• 1,1-dichloroethane• Ethylene dibromide• 1,1,1-trichloroethane• 1,1,2-trichloroethane• 1,1,2,2-tetrachloroethane• Vinyl chloride• PAHs: total naphthalene plus monomethylnaphthalenes• Benzo-a-pyrene• Phenols |
|---|--|

All work and services shall be in accordance with the New Mexico Oil Conservation Division standards.



● Original (September 2012) Sample Location.

★ Purposed (2015) Sample Location.



● Original (September 2012) Sample Location.

★ Purposed (2015) Sample Location.