



**DEPARTMENT OF ENERGY**  
Environmental Management Los Alamos Field Office (EM-LA)  
Los Alamos, New Mexico 87544

EMLA-2020-1366-02-001

April 17, 2020

Mr. Kevin Pierard  
Bureau Chief  
Hazardous Waste Bureau  
New Mexico Environment Department  
2905 Rodeo Park Drive East, Building 1  
Santa Fe, NM 87505-6313

Subject: Submittal of a Replacement Page for the Annual Periodic Monitoring Report for the Material Disposal Area AB Monitoring Group, Ancho Canyon and Water Canyon, Revision 1

Dear Mr. Pierard:

Enclosed please find two hard copies with electronic files of a replacement page for the “Annual Periodic Monitoring Report for the Material Disposal Area AB Monitoring Group, Ancho Canyon and Water Canyon, Revision 1.” Also enclosed is an electronic copy of a redline strikeout version of the page that was revised. The replacement page is voluntarily submitted to update Table 5.2-1, MDA AB Monitoring Group Groundwater Results Above Screening Values. The replacement page includes clarifying language in response to the New Mexico Environment Department’s comments dated November 2019. Several analytes reported had method detection limits or minimum detectable activities that were greater than screening values. Language was added to the table that no *detected* groundwater analytical results reported were above applicable screening values.

If you have any questions, please contact Steve Veenis at (505) 309-1362 (steve.veenis@em-la.doe.gov) or Hai Shen at (505) 257-7943 (hai.shen@em.doe.gov).

Sincerely,

Arturo Duran

Digitally signed by Arturo  
Duran  
Date: 2020.04.16  
17:16:31 -06'00'

Arturo Q. Duran  
Compliance and Permitting Manager  
Environmental Management  
Los Alamos Field Office

Enclosures:

1. Two hard copies with electronic files (including a redline strikeout version) – 2020 Replacement Page for the Annual Periodic Monitoring Report for the Material Disposal Area AB Monitoring Group, Ancho Canyon and Water Canyon, Revision 1 (EM2020-0137)

CC (letter with hard-copy enclosure[s]):

Steve Veenis, N3B

CC (letter and enclosure[s] emailed):

Laurie King, EPA Region 6, Dallas, TX

Raymond Martinez, San Ildefonso Pueblo, NM

Dino Chavarria, Santa Clara Pueblo, NM

Richard Carpenter, City of Santa Fe, NM

Harry Burgess, Los Alamos County, NM (2 copies)

Jack Richardson, Los Alamos County, NM

Neelam Dhawan, NMED

Michelle Hunter, NMED

Chris Catechis, NMED-DOE-OB

Steve Yanicak, NMED-DOE-OB

William Alexander, N3B

Emily Day, N3B

David Fellenz, N3B

Cheryl Fountain, N3B

Lori Huntoon, N3B

Jeannette Hyatt, N3B

Danny Katzman, N3B

Kim Lebak, N3B

Joseph Legare, N3B

Dana Lindsay, N3B

Frazer Lockhart, N3B

Elizabeth Lowes, N3B

Pamela Maestas, N3B

Glenn Morgan, N3B

Bruce Robinson, N3B

Bradley Smith, N3B

Thomas McCrory, EM-LA

David Nickless, EM-LA

Cheryl Rodriguez, EM-LA

Hai Shen, EM-LA

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[n3brecords@em-la.doe.gov](mailto:n3brecords@em-la.doe.gov)

Public Reading Room (EPRR)

PRS Website

**Pamela T. Maestas**

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**From:** Martinez, Cynthia, NMENV <cynthia.martinez1@state.nm.us>  
**Sent:** Monday, April 20, 2020 2:28 PM  
**To:** Pamela T. Maestas  
**Subject:** RE: Submittal to NMED on 4/17/2020 of MDA AB PMR, R1, Replacement Page

Received....

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**From:** Pamela T. Maestas <pamela.maestas@em-la.doe.gov>  
**Sent:** Monday, April 20, 2020 2:14 PM  
**To:** Martinez, Cynthia, NMENV <cynthia.martinez1@state.nm.us>  
**Subject:** [EXT] FW: Submittal to NMED on 4/17/2020 of MDA AB PMR, R1, Replacement Page

Hi Cynthia,  
Can you please acknowledge receipt of the attached deliverable?  
Thank you.

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**From:** Pamela T. Maestas <[pamela.maestas@em-la.doe.gov](mailto:pamela.maestas@em-la.doe.gov)>  
**Sent:** Friday, April 17, 2020 10:28 AM  
**To:** Pierard, Kevin, NMENV <[Kevin.Pierard@state.nm.us](mailto:Kevin.Pierard@state.nm.us)>  
**Cc:** Dhawan, Neelam, NMENV <[neelam.dhawan@state.nm.us](mailto:neelam.dhawan@state.nm.us)>; Emily M. Day <[Emily.Day@em-la.doe.gov](mailto:Emily.Day@em-la.doe.gov)>; Regulatory Documentation <[RegDocs@EM-LA.DOE.GOV](mailto:RegDocs@EM-LA.DOE.GOV)>; Martinez, Cynthia, NMENV <[cynthia.martinez1@state.nm.us](mailto:cynthia.martinez1@state.nm.us)>; Cheryl W. Fountain <[Cheryl.Fountain@EM-LA.DOE.GOV](mailto:Cheryl.Fountain@EM-LA.DOE.GOV)>; [cheryl.rodriquez@em.doe.gov](mailto:cheryl.rodriquez@em.doe.gov)  
**Subject:** Submittal to NMED on 4/17/2020 of MDA AB PMR, R1, Replacement Page

Mr. Pierard,  
Attached for submittal is a pdf of the following:

- Submittal of a Replacement Page for the Annual Periodic Monitoring Report for the Material Disposal Area AB Monitoring Group, Ancho Canyon and Water Canyon, Revision 1 (letter and enclosure)

Please acknowledge receipt of this submittal by responding to this email.  
Let me know if you have any questions.  
Thank you.

**Pamela T. Maestas**  
**Regulatory Documentation Manager**  
Newport News Nuclear BWXT-Los Alamos, LLC  
c. 505-927-7882  
[regdocs@em-la.doe.gov](mailto:regdocs@em-la.doe.gov)

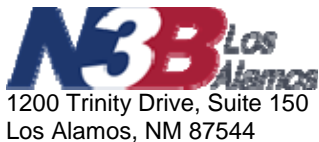


Table 4.2-1 (continued)

Analyte Name	MDL	Analytical Method	Screening Value	Unit	Screening-Value Type	Lab ID
Hexachlorobenzene	3-3.23	SW-846:8270D	1	µg/L	EPA MCL	GELC
Hexachlorobutadiene	3-3.23	SW-846:8270D	1.39	µg/L	NMED A1 TAP SCRNLVL	GELC
Nitrobenzene	3-3.23	SW-846:8270D	1.4	µg/L	NMED A1 TAP SCRNLVL	GELC
Nitrosodiethylamine[N-]	3-3.23	SW-846:8270D	0.00167	µg/L	NMED A1 TAP SCRNLVL	GELC
Nitrosodimethylamine[N-]	3-3.23	SW-846:8270D	0.00491	µg/L	NMED A1 TAP SCRNLVL	GELC
Nitroso-di-n-butylamine[N-]	3-3.23	SW-846:8270D	0.0273	µg/L	NMED A1 TAP SCRNLVL	GELC
Nitroso-di-n-propylamine[N-]	3-3.23	SW-846:8270D	0.11	µg/L	EPA TAP SCRNLVL	GELC
Nitrosopyrrolidine[N-]	3-3.23	SW-846:8270D	0.37	µg/L	NMED A1 TAP SCRNLVL	GELC
Pentachlorobenzene	3-3.23	SW-846:8270D	3.07	µg/L	NMED A1 TAP SCRNLVL	GELC
Pentachlorophenol	3-3.23	SW-846:8270D	1	µg/L	EPA MCL	GELC
Tetrachlorobenzene[1,2,4,5]	3-3.23	SW-846:8270D	1.66	µg/L	NMED A1 TAP SCRNLVL	GELC
<b>VOCs</b>						
Acrolein	1.5	SW-846:8260B	0.0415	µg/L	NMED A1 TAP SCRNLVL	GELC
Acrylonitrile	1.5	SW-846:8260B	0.523	µg/L	NMED A1 TAP SCRNLVL	GELC
Chloro-1,3-butadiene[2-]	0.3	SW-846:8260B	0.187	µg/L	NMED A1 TAP SCRNLVL	GELC
Dibromo-3-Chloropropane[1,2-]	0.5	SW-846:8260B	0.2	µg/L	EPA MCL	GELC
Dibromoethane[1,2-]	0.3	SW-846:8260B	0.05	µg/L	EPA MCL	GELC
Dibromomethane	0.3	SW-846:8260B	0.0747	µg/L	NMED A1 TAP SCRNLVL	GELC
Trichloropropane[1,2,3-]	0.3	SW-846:8260B	0.00835	µg/L	NMED A1 TAP SCRNLVL	GELC

Note: This table is applicable to samples reported in this PMR.

<sup>a</sup> EPA TAP SCRNLVL = U.S. Environmental Protection Agency screening level for tap water.

<sup>b</sup> GELC = GEL Laboratories, LLC, Division of the GEL Group, Charleston, SC.

<sup>c</sup> NMED A1 TAP SCRNLVL = New Mexico Environment Department screening level for tap water.

**Table 4.2-2  
Target Analytes with MDLs Below Screening Values**

Analyte Name	MDL	Analytical Method	Screening Value	Unit	Screening-Value Type	Lab ID
<b>SVOCs</b>						
Pentachlorobenzene	3-3.23	SW-846:8270D	3.07	µg/L	NMED A1 TAP SCRNLVL <sup>a</sup>	GELC <sup>b</sup>

<sup>a</sup> NMED A1 TAP SCRNLVL = New Mexico Environment Department screening level for tap water.

<sup>b</sup> GELC = GEL Laboratories, LLC, Division of the GEL Group, Charleston, SC.

**Table 5.2-1  
MDA AB Monitoring Group Groundwater Results Above Screening Values**

Location	Date	Analyte	Field Prep Code	Result	Unit	Screening Value	Screening-Value Type
n/a*	n/a	There are no detected groundwater analytical results reported in this PMR above the applicable screening value.	n/a	n/a	n/a	n/a	n/a

\* n/a = Not applicable.

Table 4.2-1 (continued)

Analyte Name	MDL	Analytical Method	Screening Value	Unit	Screening-Value Type	Lab ID
Hexachlorobenzene	3-3.23	SW-846:8270D	1	µg/L	EPA MCL	GELC
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Nitrosodimethylamine[N-]	3-3.23	SW-846:8270D	0.00491	µg/L	NMED A1 TAP SCRNLVL	GELC
Nitroso-di-n-butylamine[N-]	3-3.23	SW-846:8270D	0.0273	µg/L	NMED A1 TAP SCRNLVL	GELC
Nitroso-di-n-propylamine[N-]	3-3.23	SW-846:8270D	0.11	µg/L	EPA TAP SCRNLVL	GELC
Nitrosopyrrolidine[N-]	3-3.23	SW-846:8270D	0.37	µg/L	NMED A1 TAP SCRNLVL	GELC
Pentachlorobenzene	3-3.23	SW-846:8270D	3.07	µg/L	NMED A1 TAP SCRNLVL	GELC
Pentachlorophenol	3-3.23	SW-846:8270D	1	µg/L	EPA MCL	GELC
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Acrylonitrile	1.5	SW-846:8260B	0.523	µg/L	NMED A1 TAP SCRNLVL	GELC
Chloro-1,3-butadiene[2-]	0.3	SW-846:8260B	0.187	µg/L	NMED A1 TAP SCRNLVL	GELC
Dibromo-3-Chloropropane[1,2-]	0.5	SW-846:8260B	0.2	µg/L	EPA MCL	GELC
Dibromoethane[1,2-]	0.3	SW-846:8260B	0.05	µg/L	EPA MCL	GELC
Dibromomethane	0.3	SW-846:8260B	0.0747	µg/L	NMED A1 TAP SCRNLVL	GELC
Trichloropropane[1,2,3-]	0.3	SW-846:8260B	0.00835	µg/L	NMED A1 TAP SCRNLVL	GELC

Note: This table is applicable to samples reported in this PMR.

<sup>a</sup> EPA TAP SCRNLVL = U.S. Environmental Protection Agency screening level for tap water.

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<sup>c</sup> NMED A1 TAP SCRNLVL = New Mexico Environment Department screening level for tap water.

**Table 4.2-2  
Target Analytes with MDLs Below Screening Values**

Analyte Name	MDL	Analytical Method	Screening Value	Unit	Screening-Value Type	Lab ID
<b>SVOCs</b>						
Pentachlorobenzene	3-3.23	SW-846:8270D	3.07	µg/L	NMED A1 TAP SCRNLVL <sup>a</sup>	GELC <sup>b</sup>

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**Table 5.2-1  
MDA AB Monitoring Group Groundwater Results Above Screening Values**

Location	Date	Analyte	Field Prep Code	Result	Unit	Screening Value	Screening-Value Type
n/a*	n/a	There are no <u>detected groundwater analytical results reported in this PMR above the applicable screening value. results above screening values for data reported in this PMR.</u>	n/a	n/a	n/a	n/a	n/a

\* n/a = Not applicable.