



DEPARTMENT OF THE AIR FORCE
377th Civil Engineer Division (AFMC)

COPY File

4 January 2012

MEMORANDUM FOR: 377 MSG/CEANR

FROM: 377 MSG/CEANC (Solid Waste Program Manager)

SUBJECT: Landfill Disposal

Reference: Shaw Environmental Ltr. dated: 4 January 2012
USACE Contract No. W912DY-10-D-0014 / Delivery Order No. 0002

Disposal of Soil Drill Cuttings from the Installation of Containment Well KAFB-106157 on Kirtland AFB as part of Bulk Fuels Facility Site Investigation

1. Authorization is granted to Shaw Environmental to dispose of soil drill cuttings and debris in support of continued monitoring of Bulk Fuels Facility from the installation of Containment Well KAFB-106157 at the Kirtland AFB construction and demolition landfill. Debris will be delivered by Bellio Trucking, Inc., and will be in two Bellio roll-offs, numbered 25 and 26, to the landfill. Debris will consist of drill cuttings and plastic liners from roll-offs. Lab results are on file in the Solid Waste Management office. Shaw shall be issued a Kirtland AFB landfill pass for this disposal action. A copy of this letter will accompany each roll-off and be left with the gate keeper at the landfill.
2. Please direct questions to me at 853-2486.

KATRINA E. WHEELock
Solid Waste Program Manager
Environmental Management



Shaw® Shaw Environmental & Infrastructure, Inc.

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January 4, 2012

Project No. 140705
KAFB-012-0001

Mr. Steve Kitt
377 MSG/CEANC
2050 Wyoming Blvd NE
Albuquerque, NM 87117-5270

Reference: USACE Contract No. W912DY-10-D-0014, Delivery Order 0002

Subject: Disposal of Soil Drill Cuttings from the Installation of Containment Well KAFB-106157
Kirtland AFB, New Mexico

Dear Mr. Kitt:

Shaw Environmental and Infrastructure (Shaw E&I) is requesting permission to dispose of nonhazardous soil drill cuttings and plastic liners used in rolloff containers to the Kirtland Air Force Base (Kirtland AFB) Construction and Demolition (C&D) debris landfill. The generation of and analyses performed on the soil drill cuttings are discussed below.

During December 2011, Shaw E&I installed one containment well (KAFB-106157) for the Kirtland AFB Bulk Fuels Facility (BFF). The KAFB-106157 well is located 400 feet southeast of San Pedro Dr SE and Ridgecrest Dr SE. The containment well was drilled using air rotary casing hammer (ARCH) and the drill cuttings were containerized in plastic lined steel rolloffs pending laboratory analysis for waste characterization. Approximately 10 to 15 cubic yards of soil drill cuttings were generated for each 20-cubic yard rolloff container. Two rolloffs are located at KAFB-106157.

A composite sample was collected from each of the rolloffs. Each composite sample was sent to Gulf Coast Analytical Laboratory for testing. The samples were analyzed for the required parameters per the Kirtland AFB Landfill Acceptance Memorandum (January 2009). The analytical results for the composite samples confirm that the drill cuttings are not considered to be hazardous waste and meet the requirements for disposal at the Kirtland C&D landfill.

Shaw E & I requests your review of the attached analytical data and determination for disposal at Kirtland AFB C&D landfill. All rolloff containers are owned by Bellio Trucking, Inc. and the numbers on the containers for disposal include – 25 and 26. Upon receiving notification of Kirtland AFB's acceptance of the soil and plastic, Shaw E&I will coordinate transport of the rolloffs and disposal of the waste with Bellio.

Mr. Steve Kitt

2

January 4, 2012

If you have any questions regarding this request, please contact me at (720) 554-8163. Thank you for your assistance.

Sincerely,

Thomas Cooper
Project Manager

A handwritten signature in black ink that reads "Rob Allen for TC". The signature is written in a cursive, somewhat stylized font.

Enclosures:

Gulf Coast Analytical Laboratory Report No. 211120914 – Analytical Results for Drill Cuttings from Containment Well KAFB-106157

NELAP CERTIFICATE NUMBER 01955
DOD ELAP CERTIFICATE NUMBER ADE - 1482

ANALYTICAL RESULTS

PERFORMED BY

GULF COAST ANALYTICAL LABORATORIES, INC.

7979 GSRI Avenue
Baton Rouge, LA 70820

Report Date 12/15/2011

GCAL Report 211120914



Deliver To Shaw Environmental & Infrastructure, Inc.
7604 Technology Way
Ste. 300
Denver, CO 80237
720-554-8252

Attn Pamela Moss

Project Kirtland AFB IDW



DEPARTMENT OF THE AIR FORCE
377th Civil Engineer Division (AFMC)

file

16 February 2012

COPY

MEMORANDUM FOR: 377 MSG/CEANR

FROM: 377 MSG/CEANC (Solid Waste Program Manager)

SUBJECT: Landfill Disposal

Reference: Shaw Environmental Ltr. dated: 14 February 2012
USACE Contract No. W912DY-10-D-0014 / Delivery Order No. 0002

Disposal of Soil Drill Cuttings from the Installation of Containment Well KAFB-106157 on Kirtland AFB as part of Bulk Fuels Facility Site Investigation

1. Authorization is granted to Shaw Environmental to dispose of soil drill cuttings and debris in support of continued monitoring of Bulk Fuels Facility from the installation of Containment Well KAFB-106157 at the Kirtland AFB construction and demolition landfill. Debris will be delivered by Rinchem Company, and will be in two Bellio roll-offs, numbered 29 and 33, to the landfill. Debris will consist of drill cuttings and plastic liners from roll-offs. Lab results are on file in the Solid Waste Management office. Shaw shall be issued a Kirtland AFB landfill pass for this disposal action. A copy of this letter will accompany each roll-off and be left with the gate keeper at the landfill.

2. Please direct questions to me at 853-2486.

e-Signed//KEW//16Feb12
KATRINA E. WHEELLOCK
Solid Waste Program Manager
Environmental Management



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February 14, 2012

Project No. 140705
KAFB-012-0005

Mr. Steve Kitt
377 MSG/CEANC
2050 Wyoming Blvd NE
Albuquerque, NM 87117-5270

Reference: USACE Contract No. W912DY-10-D-0014, Delivery Order 0002

Subject: Disposal of Soil Drill Cuttings from the Installation of Containment Well KAFB-106157
Kirtland AFB, New Mexico

Dear Mr. Kitt:

Shaw Environmental and Infrastructure (Shaw E&I) is requesting permission to dispose of nonhazardous soil drill cuttings and plastic liners used in rolloff containers to the Kirtland Air Force Base (Kirtland AFB) Construction and Demolition (C&D) debris landfill. The generation of and analyses performed on the soil drill cuttings are discussed below.

During December 2011, Shaw E&I installed one containment well (KAFB-106157) for the Kirtland AFB Bulk Fuels Facility (BFF). The KAFB-106157 well is located 400 feet southeast of San Pedro Dr SE and Ridgecrest Dr SE. The containment well was drilled using air rotary casing hammer (ARCH) and the drill cuttings were containerized in plastic lined steel rolloffs pending laboratory analysis for waste characterization. Approximately 10 to 15 cubic yards of soil drill cuttings were generated for each 20-cubic yard rolloff container. Five total rolloffs are located at KAFB-106157. Two were discussed in the previous letter. Analytical results for the remaining three are included in this letter.

A composite sample was collected from each of the rolloffs. Each composite sample was sent to Gulf Coast Analytical Laboratory for testing. The samples were analyzed for the required parameters per the Kirtland APB Landfill Acceptance Memorandum (January 2009). The analytical results for the composite samples confirm that the drill cuttings are not considered to be hazardous waste and meet the requirements for disposal at the Kirtland C&D landfill.

Shaw E & I requests your review of the attached analytical data and determination for disposal at Kirtland AFB C&D landfill. All rolloff containers are owned by Bellio Trucking, Inc. and the numbers on the containers for disposal include – 27, 29 and 33. Upon receiving notification of Kirtland AFB's acceptance of the soil and plastic, Shaw E&I will coordinate transport of the rolloffs and disposal of the waste with Bellio.

Mr. Steve Kitt

2

February 14, 2012

If you have any questions regarding this request, please contact me at (720) 554-8163. Thank you for your assistance.

Sincerely,

 for Tom Cooper
Thomas Cooper
Project Manager

Enclosures:

Gulf Coast Analytical Laboratory Report No. 212020218 – Analytical Results for Drill Cuttings from Containment Well KAFB-106157

NELAP CERTIFICATE NUMBER 01955
DOD ELAP CERTIFICATE NUMBER ADE - 1482

ANALYTICAL RESULTS

PERFORMED BY

GULF COAST ANALYTICAL LABORATORIES, INC.
7979 GSRI Avenue
Baton Rouge, LA 70820

Report Date 02/09/2012

GCAL Report 212020218



Deliver To Shaw Environmental & Infrastructure, Inc.
7604 Technology Way
Ste. 300
Denver, CO 80237
720-554-8252

Attn Pamela Moss

Project Kirtland AFB IDW



DEPARTMENT OF THE AIR FORCE
377th Civil Engineer Division (AFMC)

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file

1 March 2012

MEMORANDUM FOR: 377 MSG/CEANR

FROM: 377 MSG/CEANC (Solid Waste Program Manager)

SUBJECT: Landfill Disposal

Reference: Shaw Environmental Ltr. dated: 29 February 2012

USACE Contract No. W912DY-10-D-0014 / Delivery Order No. 0002

Disposal of Soil Drill Cuttings from the Installation of Containment Well KAFB-106157 on Kirtland AFB as part of Bulk Fuels Facility Site Investigation

1. Authorization is granted to Shaw Environmental to dispose of soil drill cuttings and debris in support of continued monitoring of Bulk Fuels Facility from the installation of Containment Well KAFB-106157 at the Kirtland AFB construction and demolition landfill. Debris will be delivered by Bellio Trucking, Inc., and will be in four roll-offs numbered 18, 25, 26 and 30, to the landfill. Debris will consist of drill cuttings and plastic liners from roll-offs. Lab results are on file in the Solid Waste Management office. Shaw shall be issued a Kirtland AFB landfill pass for this disposal action. A copy of this letter will accompany each roll-off and be left with the gate keeper at the landfill.

2. Please direct questions to me at 853-2486.

e-Signed//KEW//01Mar12
KATRINA E. WHEELOCK
Solid Waste Program Manager
Environmental Management



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February 29, 2012

Project No. 140705
KAFB-012-0007

Mr. Steve Kitt
377 MSG/CBANC
2050 Wyoming Blvd NE
Albuquerque, NM 87117-5270

Reference: USACE Contract No. W912DY-10-D-0014, Delivery Order 0002

Subject: Disposal of Soil Drill Cuttings from the Installation of Soil Vapor Extraction Well KAFB-106161, and Containment Well KAFB-106157, Kirtland AFB, New Mexico

Dear Mr. Kitt:

Shaw Environmental and Infrastructure (Shaw E&I) is requesting permission to dispose of nonhazardous soil drill cuttings and plastic liners used in rolloff containers to the Kirtland Air Force Base (Kirtland AFB) Construction and Demolition (C&D) debris landfill. The generation of and analyses performed on the soil drill cuttings are discussed below.

Shaw installed the first of two soil vapor extraction wells (KAFB-106161) in February 2012. The KAFB-106161 Well is located in the BFF, about 100 ft NW of building 1032. During December 2011, Shaw E&I installed one containment well (KAFB-106157) for the Kirtland AFB Bulk Fuels Facility (BFF). The KAFB-106157 well is located 400 feet southeast of San Pedro Dr SE and Ridgecrest Dr SE. Both wells were drilled using air rotary casing hammer (ARCH) and the drill cuttings were containerized in plastic lined steel rolloffs pending laboratory analysis for waste characterization. Approximately 10 to 15 cubic yards of soil drill cuttings were generated for each 20-cubic yard rolloff container. Five total rolloffs are located at KAFB-106157. Four were discussed in previous letters. Analytical results for the remaining one are included in this letter. Three total rolloffs are located at KAFB-106161. Analytical results for all three are included in this letter.

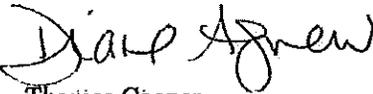
A composite sample was collected from each of the rolloffs. Each composite sample was sent to Gulf Coast Analytical Laboratory for testing. The samples were analyzed for the required parameters per the Kirtland AFB Landfill Acceptance Memorandum (January 2009). The analytical results for the composite samples confirm that the drill cuttings are not considered to be hazardous waste and meet the requirements for disposal at the Kirtland C&D landfill.

Shaw E & I requests your review of the attached analytical data and determination for disposal at Kirtland AFB C&D landfill. All rolloff containers are owned by Bellio Trucking, Inc. and the numbers on the containers for

disposal include— 18, 25, 26, and 30. Upon receiving notification of Kirtland AFB's acceptance of the soil and plastic, Shaw E&I will coordinate transport of the rolloffs and disposal of the waste with Bellio.

If you have any questions regarding this request, please contact me at (720) 554-8163. Thank you for your assistance.

Sincerely,


Thomas Cooper
Project Manager

for Tom Cooper

Enclosures:

Gulf Coast Analytical Laboratory Report No. 212022314—Analytical Results for Drill Cuttings from Containment Well KAFB-106161 and KAFB-106157

**NELAP CERTIFICATE NUMBER 01955
DOD ELAP CERTIFICATE NUMBER ADE - 1482**

ANALYTICAL RESULTS

PERFORMED BY

GULF COAST ANALYTICAL LABORATORIES, INC.

**7979 GSRI Avenue
Baton Rouge, LA 70820**

Report Date 02/29/2012

GCAL Report 212022314



Deliver To Shaw Environmental & Infrastructure, Inc.
7604 Technology Way
Ste. 300
Denver, CO 80237
720-554-8252

Attn Pamela Moss

Project Kirtland AFB IDW



DEPARTMENT OF THE AIR FORCE
377th Civil Engineer Division (AFMC)

file
COPY

12 March 2012

MEMORANDUM FOR: 377 MSG/CEANR

FROM: 377 MSG/CEANC (Solid Waste Program Manager)

SUBJECT: Landfill Disposal

Reference: Shaw Environmental Ltr. dated: 12 March 2012
USACE Contract No. W912DY-10-D-0014 / Delivery Order No. 0002

Disposal of Soil Drill Cuttings from the Installation of Soil Vapor Extraction Well KAFB-106160 on Kirtland AFB as part of Bulk Fuels Facility Site Investigation

1. Authorization is granted to Shaw Environmental to dispose of soil drill cuttings and debris in support of continued monitoring of Bulk Fuels Facility from the installation of Soil Vapor Extraction Well KAFB-106160 at the Kirtland AFB construction and demolition landfill. Debris will be delivered by Bellio Trucking, Inc., and will be in three roll-offs numbered 27, 29 and 33, to the landfill. Debris will consist of drill cuttings and plastic liners from roll-offs. Lab results are on file in the Solid Waste Management office. Shaw shall be issued a Kirtland AFB landfill pass for this disposal action. A copy of this letter will accompany each roll-off and be left with the gate keeper at the landfill.

2. Please direct questions to me at 853-2486.

e-Signed//KEW//12Mar12
KATRINA E. WHEELock
Solid Waste Program Manager
Environmental Management

March 12, 2012

Project No. 140705
KAFB-012-0008

Mr. Steve Kitt
377 MSG/CEANC
2050 Wyoming Blvd NE
Albuquerque, NM 87117-5270

Reference: USACE Contract No. W912DY-10-D-0014, Delivery Order 0002

Subject: Disposal of Soil Drill Cuttings from the Installation of Soil Vapor Extraction Well KAFB-106160
Kirtland AFB, New Mexico

Dear Mr. Kitt:

Shaw Environmental and Infrastructure (Shaw E&I) is requesting permission to dispose of nonhazardous soil drill cuttings and plastic liners used in rolloff containers to the Kirtland Air Force Base (Kirtland AFB) Construction and Demolition (C&D) debris landfill. The generation of and analyses performed on the soil drill cuttings are discussed below.

Shaw installed the second of two soil vapor extraction wells (KAFB-106160) in late February and early March 2012. The KAFB-106160 Well is located in the BFF, about 100 ft W of building 1032. The well was drilled using air rotary casing hammer (ARCH) and the drill cuttings were containerized in plastic lined steel rolloffs pending laboratory analysis for waste characterization. Approximately 10 to 15 cubic yards of soil drill cuttings were generated for each 20-cubic yard rolloff container. Three total rolloffs are located at KAFB-106160. Analytical results for all three are included in this letter.

A composite sample was collected from each of the rolloffs. Each composite sample was sent to Gulf Coast Analytical Laboratory for testing. The samples were analyzed for the required parameters per the Kirtland AFB Landfill Acceptance Memorandum (January 2009). The analytical results for the composite samples confirm that the drill cuttings are not considered to be hazardous waste and meet the requirements for disposal at the Kirtland C&D landfill.

Shaw E & I requests your review of the attached analytical data and determination for disposal at Kirtland AFB C&D landfill. All rolloff containers are owned by Bellio Trucking, Inc. and the numbers on the containers for disposal include – 27, 29, and 33. Upon receiving notification of Kirtland AFB's acceptance of the soil and plastic, Shaw E&I will coordinate transport of the rolloffs and disposal of the waste with Bellio.

If you have any questions regarding this request, please contact me at (720) 554-8163. Thank you for your assistance.

Sincerely,

Dean Agnew for Tom Cooper

Thomas Cooper
Project Manager

Enclosures:

Gulf Coast Analytical Laboratory Report No. 212030240 – Analytical Results for Drill Cuttings from Containment Well KAFB-106160

NELAP CERTIFICATE NUMBER 01955
DOD ELAP CERTIFICATE NUMBER ADE - 1482

ANALYTICAL RESULTS

PERFORMED BY

GULF COAST ANALYTICAL LABORATORIES, INC.

7979 GSRI Avenue
Baton Rouge, LA 70820

Report Date 03/09/2012

GCAL Report 212030240



Deliver To Shaw Environmental & Infrastructure, Inc.
9201 East Dry Creek
Centennial, CO 80112
720-554-8252

Attn Pamela Moss

Project Kirtland AFB IDW