



New Jersey Department of Environmental Protection
Site Remediation Program

Report Certifications for RCRA GPRA 2020, CERCLA, and Federal Facility Sites

These certifications are to be used for reports submitted for RCRA GPRA 2020, CERCLA, and Federal Facility Sites. The Department has developed guidance for report certifications for RCRA GPRA 2020, CERCLA, and Federal Facility Sites under traditional oversight. The "Person Responsible for Conducting the Remediation Information and Certification" is required to be submitted with each report. For those sites that are required or opt to use a Licensed Site Remediation Professional (LSRP) the report must also be certified by the LSRP using the "Licensed Site Remediation Professional Information and Statement". For additional guidance regarding the requirement for LSRPs at RCRA GPRA 2020, CERCLA and Federal Facility Sites see http://www.nj.gov/dep/srp/srra/training/matrix/quick_ref/rcra_cercla_fed_facility_sites.pdf.

Document:

- "Letter Work Plan Addendum for Parcels 83, 103, 104, and 108, Fort Monmouth, New Jersey" (25 August 2017)

PERSON RESPONSIBLE FOR CONDUCTING THE REMEDIATION INFORMATION AND CERTIFICATION

Full Legal Name of the Person Responsible for Conducting the Remediation: William R. Colvin

Representative First Name: William Representative Last Name: Colvin



DEPARTMENT OF THE ARMY

OFFICE OF ASSISTANT CHIEF OF STAFF FOR INSTALLATION MANAGEMENT
U.S. ARMY FORT MONMOUTH
P.O. 148
OCEANPORT, NEW JERSEY 07757

25 August 2017

Mr. Ashish Joshi
New Jersey Department of Environmental Protection
Division of Remediation Management & Response
Northern Bureau of Field Operations
7 Ridgedale Avenue (2nd Floor)
Cedar Knolls, New Jersey 07927-1112

**SUBJECT: Letter Work Plan Addendum for Parcels 83, 103, 104, and 108, Fort Monmouth, New Jersey
PI G000000032**

Dear Mr. Joshi:

This Letter Work Plan Addendum (LWPA) provides an overview of previous sample results and proposes additional soil sampling for the subject parcels located within the Main Post (MP) of Fort Monmouth (FTMM) (shown on **Figure 1**). The work performed under this LWPA will augment the work performed previously at the subject parcels: 1) as reported in the *U.S. Army BRAC 2005 Site Investigation Report, Fort Monmouth* (Army, 2008); and 2) the results from implementing the April 2016 *Revision 1 Environmental Condition of Property (ECP) Phase II Site Investigation (SI) Work Plan (WP) Addendum*, which was approved by the New Jersey Department of Environmental Protection (NJDEP) in December 2015 (letter provided in **Attachment A**).

The work performed in 201

bgs), and at a depth of approximately 3 feet bgs in accordance with the WP. Borings where PAHs were detected at concentrations exceeding the RDCSRS in 2007 or as confirmed by the 2016 data are circled on **Figure 2**. Soil sampling results are provided in **Table 2**.

PAHs concentrations in samples collected at borings PAR-83-SB-02, -03, -04, -05, -07, -08, and -09 in the Building 72 area exceeded the NJDEP RDCSRS. Vertical delineation was achieved at each boring except PAR-83-SB-02; therefore additional sampling for PAHs is proposed at 6.0 to 6.5 feet below ground surface (ft bgs) at new boring PAR-83-SB-17. To delineate horizontally, borings PAR-83-SB-18 through PAR-83-SB-32 and PAR-83-SB-44 through PAR-83-SB-48 will be sampled at the locations shown on **Figure 2**, with samples to be collected at the surface (0 to 0.5 ft below the concrete/asphalt and subbase), at 3.0 to 3.5 ft bgs, and at 6.0 to 6.5 ft bgs (hereinafter referred to as the “three routine depth intervals”). Soil samples from contingency borings PAR-83-SB-24 through PAR-83-SB-32 will be collected in the field and extracted for SVOC analysis by the lab, but then the extracts will be held by the laboratory for contingency analysis of PAHs pending exceedances of the RDCSRS in primary samples. A summary of the proposed sampling and analyses is presented in **Table 3**.

Soil samples from borings PAR-83-SB-09, -10, and -11 were analyzed to delineate for PCBs. The only PCB exceedance of the RDCSRS was at PAR-83-SB-09 in the surface (1-1.5 ft bgs) interval, and a deeper sample was analyzed at 2 to 2.5 ft bgs that did not exceed the RDCSRS. This result confirms the PCB exceedance at P8

Two additional soil borings (PAR-83-SB-15 and -16) were sampled in the Building 279 area to address the SI exceedances for arsenic at P83-SB10 and arsenic and lead at P83-SB9 (**Figure 2**). Arsenic and lead detections in soil samples at PAR-83-SB-15 and -16 were all below the RDCSRS, and therefore delineation for arsenic and lead is complete.

Samples will be collected at proposed borings PAR-83-SB-33 and PAR-83-SB-34 at the three routine depth intervals (0 to 0.5 ft below pavement, 3.0 to 3.5 ft bgs, and 6.0 to 6.5 ft bgs) to delineate PAHs horizontally to the east and south of the RDCSRS exceedance at boring PAR-83-SB-14. Analysis at the two deeper soil intervals will be contingent on the results of the surface soil samples. Samples will also be collected from proposed borings PAR-83-SB-35 and PAR-83-SB-50 at the same routine depth intervals for contingent analysis based on the results at PAR-83-SB-33 and PAR-83-SB-34.

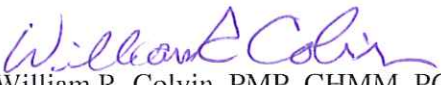
Parcel 103

Parcel 103 encompasses borings P83-SB-12 and P83-SB-13, where 2007 samples exceeded the RDCSRS for PAHs in surface soil. The exceedances are defined vertically by underlying samples. Parcel 103 is delineated horizontally to the southeast by P83-SB3. Additional soil borings are proposed at PAR-83-SB-36 and PAR-83-SB-38 to confirm these exceedances by sampling the three routine depth intervals (0 to 0.5 ft below pavement, 3.0 to 3.5 ft bgs, and 6.0 to 6.5 ft bgs). An additional step-out boring is proposed to the west at PAR-83-SB-37, to the north at PAR-83-SB-49, and to the east at PAR-83-SB-51 with soil samples collected from the three routine

3.0 to 3.5 ft bgs, and 6.0 to 6.5 ft bgs) for contingent analysis based on the results at PAR-83-SB-42.

Thank you for reviewing this LWPA. We look forward to your comments and approval prior to implementing this plan (currently scheduled to begin on 2 October 2017). Our technical Point of Contact is Kent Friesen who you may contact directly at 732-383-7201; kent.friesen@parsons.com. I can be reached at 732-380-7064; william.r.colvin18.civ@mail.mil.

Sincerely,


William R. Colvin, PMP, CHMM, PG
BRAC Environmental Coordinator

Attachments:

- Figure 1 Parcel 83 Layout and Sampling Locations
- Figure 2 Parcel 83 Proposed Sampling Locations
- Table 1 Ground Water Sampling Results – Comparison to NJDEP Ground Water Quality Standard, Site Parcel 83
- Table 2 Detected Soil Sampling Results – Comparison to NJDEP Standards, Parcel 83
- Table 3 Sampling Summary for Parcel 83 Letter Work Plan Addendum
- Attachment A – Correspondence
- Attachment B - Boring Logs

cc: Ashish Joshi, NJDEP (2 hard copies and email)
William Colvin (

Figure 1
Parcel 83 Layout and Sampling Locations

Figure 2
Parcel 83 Proposed Sampling Locations

Table 1
Ground Water Sampling Results – Comparison to NJDEP Ground Water Quality
Standard, Site Parcel 83

TABLE 1
GROUND WATER SAMPLING RESULTS - COMPARISON TO NJDEP GROUND WATER QUALITY STANDARD
SITE PARCEL 83
FORT MONMOUTH, NEW JERSEY

Loc ID	NJ Ground Water Quality Criteria	PAR-83-SS-12	PAR-83-SS-13	PAR-83-SS-14
Sample ID		PAR-83-TMW-12	PAR-83-TMW-13	PAR-83-TMW-14
Sample Date		4/6/2016	4/6/2016	4/6/2016
Filtered		Total	Total	Total
Volatile Organic Compounds (µg/l)				
Trichloroethene	1	< 1	< 1	< 1

Footnote:

The NJ Ground Water Quality Criteria refers to the NJDEP Groundwater Quality Standards - Adopted July 22, 2010, <http://www.state.nj.us/dep/wms/bwqsa/docs/njac79C.pdf>

Table 2
Detected Soil Sampling Results – Comparison to NJDEP Standards, Parcel 83

Table 3
Sampling Summary for Parcel 83 Letter Work Plan Addendum

Attachment B
Boring Logs

