



State of New Jersey

CHRIS CHRISTIE
Governor

DEPARTMENT OF ENVIRONMENTAL PROTECTION
Bureau of Case Management
401 East State Street
P.O. Box 420/Mail Code 401-05F
Trenton, NJ 08625-0028
Phone #: 609-633-1455
Fax #: 609-633-1439

BOB MARTIN
Commissioner

KIM GUADAGNO
Lt. Governor

July 28, 2016

William Colvin
BRAC Environmental Coordinator
OACSIM – U.S. Army Fort Monmouth
PO Box 148
Oceanport, NJ 07757

Re: *Work Plan Addendum for Parcel 34, Building 2567*
Fort Monmouth
Oceanport, Monmouth County
PI G000000032

Dear Mr. Colvin:

The New Jersey Department of Environmental Protection (Department) has completed review of the referenced submittal, received on July 12, 2016, as well the supplemental information received on July 25, 2016.

Elevated levels of volatiles in the soil, particularly benzene, were determined to remain of potential concern in the vicinity of the former gasoline dispenser islands to the south of Building 2567. To determine current conditions of the soil in this area, soil sampling was performed in March of 2016, biased to those locations previously noted as exhibiting the highest levels of benzene. As the more recent analytical results indicate further delineation is necessary, additional sampling is proposed.

Delineation of the benzene, ethylbenzene and xylenes in the *unsaturated zone* must be performed to the impact to ground water soil remediation standard (the Default Impact to Ground Water Soil Screening Level unless a site specific standard is generated). Delineation of soil in the saturated zone must be completed to the direct contact soil cleanup standards (DCSRS).

Although it is agreed the collection of samples as proposed will likely complete vertical soils delineation within the saturated zone, it is possible the proposed method will result in inadequate characterization of the unsaturated zone. As per the above delineation requirements, additional sampling intervals are likely necessary, within the unsaturated zone, at location PAR-34-05 as well as those locations proposed to the west of same. Efforts should be made to ensure these sample locations are placed beyond the boundaries of the original excavation to ensure fill material is not being sampled. The most contaminated interval of the unsaturated zone, as well

as either immediately beneath it, or 0-6" above the ground water, whichever is encountered first, should also be sampled. Exceedances of IGW standards in the unsaturated zone will trigger the requirement for evaluation of the ground water in that area, as it is located sufficiently west of the existing monitoring wells to warrant an additional point of evaluation.

The proposed analytical parameters are acceptable.

Please contact this office with any questions.

Sincerely,

A handwritten signature in blue ink that reads "Linda S. Range". The signature is written in a cursive style with a long horizontal flourish at the end.

Linda S. Range

C: Joe Pearson, Calibre
James Moore, USACE
Rick Harrison, FMERA
Joe Fallon, FMERA