



## 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 29, 2013

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

Re: Summer 2013 Ground Water Sampling Event – Request to Use OFPS & PDB Methods  
Main Post and Charles Wood Area  
Fort Monmouth, New Jersey  
PI G000000032

Dear Ms. Green:

The New Jersey Department of Environmental Protection (Department) has completed review of the Summer 2013 Comprehensive Groundwater Sampling Event using LFPS & PDB Methods at Fort Monmouth, received on July 25, 2013.

1. The request to use Passive Diffusion Bag (PDB) samplers is acceptable at the following parcels: M5 Landfill, M-14 Landfill, M-18 Landfill, M-22(CW1), M-58(Building 2567), M-59(Building 1122), and M-68 (Building 700).
2. Parcel M-53 (Building 699) is the site of the Main Post gas station. The June 10, 2010 RAPR for this parcel identifies MTBE as a contaminant exceeding the Ground Water Quality Standards. The use of PDB samplers for MTBE is not recommended in the NJ Field Sampling Procedures Manual because lab studies have shown that concentrations of MTBE in the samplers are lower than what is actually in the aquifer. Therefore, the Department cannot approve of the use of PDB samplers for Parcel M-53.
3. A number of the wells proposed for PDB sampler use have screen lengths ranging from 10 to 20 feet. For any well with greater than 5 feet of screen, PDB samplers must be deployed at the midpoint of every 5 feet of saturated well screen. For example, a 10-foot well-screen would have

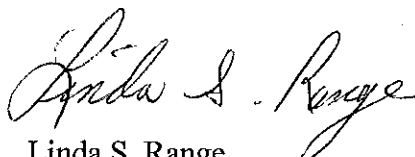
one PDB sampler set at the midpoint of the upper 5 feet of the screen and one PDB sampler set at the midpoint of the lower 5 feet of the screen.

4. As stated in the letter requesting the use of PDB samplers, the lab results must be compared to the lab results obtained from previous sampling methodology (i.e. Low Flow Purging and Sampling).

5. The proposal for low flow sampling is acceptable assuming adherence to the guidance in the Field Sampling Procedures Manual. Also, the letter indicates low flow has been previously used at the designated wells. Please verify same prior to utilization of the LFPS method for each of the wells.

If you have any questions regarding this matter, please contact this office at (609) 984-6606.

Sincerely,

A handwritten signature in cursive script that reads "Linda S. Range".

Linda S. Range  
Bureau of Case Management

C: Joe Pearson, Calibre Systems  
Rich Harrison, FMERA  
Julie Carver, Matrix  
Daryl Clark, BGWPA