



State of New Jersey

DEPARTMENT OF ENVIRONMENTAL PROTECTION
SITE REMEDIATION, PUBLICLY FUNDED REMEDIATION ELEMENT
P.O. BOX 413
TRENTON, NEW JERSEY 08625-0413

CHRIS CHRISTIE
Governor

KIM GUADAGNO
Lt. Governor

BOB MARTIN
Commissioner

December 8, 2010

Mr. Joseph Fallon, CHMM
Directorate of Public Works
ATTN: IMNE-MON-PWE
167 Riverside Ave.
Fort Monmouth, NJ 07703

RE: Remedial Investigation Report and Sediment Quality Evaluation
Pre-1941 Sewage Treatment Plant Site – Main Post, Fort Monmouth, NJ

Dear Mr. Fallon:

The NJDEP Site Remediation Program (SRP) has completed its review of the Remedial Investigation Report and Sediment Quality Evaluation, dated February 9, 2004 for the Pre-1941 Sewage Treatment Plant site. Our comments on the document are attached.

You or your staff may contact me at 609-633-0766 with any questions on the enclosed comments, or any other site remediation matters at Fort Monmouth.

Sincerely,

Larry Quinn, P.E., Site Manager
Bureau of Investigation, Design and Construction

NJDEP COMMENTS on
RIR and SEDIMENT QUALITY EVALUATION, PRE-1941 SEWAGE TREATMENT PLANT
FORT MONMOUTH, NJ

1. General. NJDEP cannot concur with the report's conclusion that no further investigation of sediments at the Pre-1941 STP site is warranted. The following technical issues would need to be addressed in any future investigation or review:
 - a) The Fort Monmouth Environmental Division recently confirmed that the surface waters of Parkers Creek (and Oceanport Creek as well) bordering the Main Post are freshwater. As such, the sediment sampling results at the Pre-1941 STP site must be compared to the Ontario Lowest Effects Levels (Persaud et al., 1993), instead of the ER-L and ER-M.
 - b) The sediment samples collected were analyzed for metals only. Any future sediment sample analyses should also include volatile organics, base/neutral organics, PCBs, pesticides, total organic carbon, and grain size.
 - c) NJDEP believes that the sediment sampling results for the metals Arsenic, Antimony, Iron, Potassium, and Zinc indicate that concentrations near the former STP outfall are somewhat elevated compared to the selected background locations.

2. 2010 BEE Sampling. Collection of 2 sediment samples (for full analysis) from near the Pre-1941 STP site was included in the Baseline Ecological Evaluation (BEE) Workplan dated January 2010. The BEE sampling was conducted in June 2010. NJDEP would like to review the results of those samples and other samples from Parkers Creek before determining if further investigation of sediments near the Pre-1941 STP site is needed.