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NWS EARLE  
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LETTER TRANSFERRING NEW JERSEY DEPARTMENT OF ENVIRONMENTAL  
PROTECTION COMMENTS ON FOCUSED INVESTIGATION AND REMEDIAL ACTION  
WORK PLAN FOR BUILDING 566 NWS EARLE NJ

1/22/1998

STATE OF NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION



# State of New Jersey

Christine Todd Whitman  
Governor

Department of Environmental Protection

Robert C. Shinn, Jr.  
Commissioner

CERTIFIED MAIL  
RETURN RECEIPT REQUESTED  
NO: Z 161 586 242

JAN 22 1998

Brian Helland  
Northern Division  
Naval Facilities Engineering Command  
10 Industrial Highway, Mail Stop 82  
Lester, PA 19113

Dear Mr. Helland:

Re: Focused Investigation and  
Remedial Action Work Plan for  
Building 566  
Naval Weapons Station Earle  
Colts Neck Twp., Monmouth Co.

The New Jersey Department of Environmental Protection (Department) has reviewed the above referenced report, prepared by Brown & Root Environmental on behalf of the Naval Weapons Station Earle, dated August 1997. The report is approved provided the following comments are addressed:

- 1) Section 2.1, Results of Phase I RI, page 2-3: In the first paragraph on this page the contractor states, "The extent of the shallow ground water contamination is limited both horizontally and vertically by the silt-clay." This statement is incorrect. The silt-clay unit only prevents the contamination from migrating vertically, there is no horizontal component to prevent contaminant migration.
- 2) Section 2.3.2.1.5, Water-Level Measurements, page 2-13: This section of the document discusses the water level measurement events conducted at the site. The contractor does not mention nor discuss if any of the wells were checked for the presence or free phase product.
- 3) Section 3.0: The downgradient line of compliance wells is not complete, as the horizontal extent of the plume has not been fully delineated. Additional monitoring wells should be located adjacent to the wetlands.

5) Once the free product contamination has been removed from the site, a Classification Exception Area (CEA) must be established since natural attenuation for the dissolve phase plume is proposed. Key components of the CEA are listed below:

a) Lot and block numbers of impacted properties

NOTE: Site boundaries can define the CEA perimeter if no offsite contamination is expected to occur for the duration of the CEA.

b) The CEA boundaries depicted on a USGS 7.5 minute quadrangle map;

c) Proposed locations for sentinel wells with a monitoring schedule.

d) This information is required as a separate submittal in order for the Department to enter this information on their Geographic Information System (GIS). The CEA Guidance Document will be forwarded to you if so requested.

If you have any questions, please call me at (609)-633-7327.

Sincerely,



Bob Marcolina, Case Manager  
Bureau of Federal Case Management

c: Rick Gorrell, Brown & Root Environmental  
Linda Welkom, DPF/SR/BGWPA  
Sharon Jaffess, EPA