



DEPARTMENT OF THE NAVY

NORTHERN DIVISION
NAVAL FACILITIES ENGINEERING COMMAND
10 INDUSTRIAL HIGHWAY
MAIL STOP, #82
LESTER, PA 19113-2090

**COPY FOR YOUR
INFORMATION**

N60478.AR.000464
NWS EARLE
5090.3a

IN REPLY REFER TO

6280
Code 1821/JPK

Ms. Sharon Jaffess
Remedial Project Manager
U.S. Environmental Protection Agency
Federal Facilities Section
290 Broadway
New York, NY 10007-1886

APR 2 C. 1998

Subj: USE OF ALTERNATIVE GRANULAR DRAINAGE MATERIAL IN LANDFILL
CAPS AT SITES 4 & 5, NAVAL WEAPONS STATION EARLE

Dear Ms. Jaffess:

As previously presented, the design for the subject landfill caps requires a granular drainage material conforming to the New Jersey DEP's standard specification. Our Remedial Action Contractor (Foster Wheeler Environmental Corp.) has attempted to obtain this material without success. Eight quarries and two brokers were contacted. Several offered alternative materials, but none could meet the specification. Two quarries indicated they might be able to make a custom batch by reconfiguring their machinery, but the cost would increase significantly and they weren't sure they could meet the spec anyway.

Our contractor then contacted Ms. Linda Welkom, a New Jersey DEP geologist, to see if she could provide any references. The quarries she suggested had already been contracted.

As agreed upon at our 7 April 1998 meeting, the Navy intends to use NJDOT #57 (3/4" Clean) as the drainage layer material. It is angular, uniformly graded and exceeds the requirement for fines content. Foster Wheeler's Quality Control Officer has assured us this material meets the intent of the specification and will provide an excellent drainage layer. Since it is a standard mix used in road construction, it is readily available in the volume required (26,000 tons) for the two sites.

Your cooperation in this matter is appreciated. I will inform you if any other developments arise during construction.

Sincerely,

JOHN P. KOLICIUS
Remedial Project Manager
By direction of the Commanding Officer

Copy to:

NJDEP - R. Marcolina

NJDEP - L. Welkom

NWS Earle - G. Goepfert

NWS Earle - T. Dunn

FOSTER & WHEELER - M. Miller

Internal Copy to:

NORTHDIV - P. Briegel