



## MARYLAND DEPARTMENT OF THE ENVIRONMENT

2500 Broening Highway • Baltimore, Maryland 21224  
(410) 631-3000 • 1-800-633-6101 • <http://www.mde.state.md.us>

Parris N. Glendening  
Governor

Jane T. Nishida  
Secretary

October 17, 2001

Mr. Shawn Jorgensen  
Indian Head Division  
Naval Surface Warfare Center  
Attn: CODE 046C, Building D-327  
101 Strauss Avenue  
Indian Head MD 20640-5035

Re: 65% Remedial Action Design, Site 41 - Scrap Yard, July 2001, NSWC Indian Head

Dear Mr. Jorgensen:

Enclosed are comments from the Federal Facilities Section of the Maryland Department of the Environment's (MDE) Waste Management Administration on the above-referenced document. These comments, which specifically address the sediment and erosion control plan for this action, were coordinated with the Sediment and Stormwater Plan Review Division of MDE's Water Management Administration.

If you have any questions, please contact me at (410) 631-3440 or 3791.

Sincerely,

Curtis DeTore  
Remedial Project Manager  
Federal/NPL Superfund Division

CD:bjm

Enclosure

cc: Mr. Jeff Morris  
Mr. Dennis Orenshaw  
Mr. Richard Collins  
Mr. Karl Kalbacher  
Ms. Hilary Miller  
Mr. Jim Tracy



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## MEMORANDUM

DATE: October 2, 2001  
TO: Curtis Detore WAS/ERRP  
FROM: Jim Tracy, WMA Sediment and Stormwater Plan Review Dir.   
RE: Indian Head - Site 41

As requested, WMA has reviewed the referenced project with regard to Erosion/Sediment Control and stormwater management. The review has generated the following comments:

### Stormwater Management

1. Section 2.8 of the Erosion and sediment Control Plan Report states "the site will be returned to grassed or natural existing conditions.". This statement cannot be confirmed from the plan for the following reasons:
  - a. The existing dirt road will be replaced with a gravel road, increasing the roadway runoff curve number (RCN) from 82 to 85.
  - b. The entrance to the site is to be paved with Bituminous Concrete. The existing surface material is not identified on the plan.
2. Even if the hydraulics/hydrology of the site will not be changed, a stormwater management waiver application must be filed. The project is subject to the 2000 stormwater regulations and criteria.

### Sediment Control

3. Sheet C-2: Please address the following:
  - a. The westerly limit of the drainage cannot be determined from the plan. Please provide a contour plan that shows the entire drainage area limit.
  - b. Based upon the existing contours and the absence of any storm culverts crossing under the dirt road, stormwater runoff from the entire drainage area north of the centerline of the dirt road will drain to a low point in the dirt road at Baseline Sta. 7+55. Runoff from this size drainage area far exceeds the capacity that the silt fence across this sump area can accommodate. Please consider replacing the Silt Fence shown right of Baseline Sta. 7+00 through Sta. 8+50 with Super Silt Fence (SSF). The SSF should be placed parallel to '3' as near as possible, thereby maintaining sheet flow to the fence. Number 2 stone can be placed along the flow side of the SSF to add stability to the system.
  - c. Please replace the Straw Bales shown along the entrance drive with SSF. It may be prudent to extend the SSF an additional 20 feet in order to provide additional protection to the existing waterway/ditch.

4. Sheet C-3: Please address the following:

- a. In the "Erosion and Sediment Control Notes", at each reference to the 'ROICC', please add..'and MDE'.
- b. Please include the Standard MDE "Owner/Developer Certification" and "Standard Stabilization Note".
- c. In the "Sequence of Construction" (SOC), No. 1, after 'contracting officer', please add..."and the MDE inspector".
- d. In the "Sequence of Construction", No. 4, installation of the perimeter controls should include the Stabilized Construction Entrance (SCE). Please remove subsequent references to Stabilized Construction Entrance (SCE) installation.
- e. Please show the location of the "Temporary Containment Berms" mentioned in the SOC. Also, please include a detail.
- f. In the "Sequence of Construction", No. 22, after 'contracting officer', please add..."and with approval of the MDE inspector". Also, after 'remaining perimeter controls', please add..."and immediately stabilize all areas disturbed by the removal process."

4. Sheet C-4: Please address the following:

- a. There are numerous references in the "Revegetation Notes" that are not in accordance with the "1994 Maryland Standards and Specifications for Soil Erosion and Sediment Control". Specifically:
  - 1) Section 1.B.IV. – there is no Section G20.0
  - 2) Section 1.C.I.c. – 2 to 4 inches should be 3 to 5 inches.
  - 3) Section 1.C.II.a.5. – there is no Section G21.0.
  - 4) Section 1.D.I. – add..."All seed must meet the requirements of the Maryland State Seed Law."
  - 5) Section 1.H.II. – after dry weight, delete "500 to".
- b. There are numerous references in the "Temporary Seeding Summary" that are not in accordance with the "1994 Maryland Standards and Specifications for Soil Erosion and Sediment Control". Specifically:
  - 1) the 'Application Rate' for Annual Rye Grass is "50 lbs/acre". The 'Seeding Dates' are "2/1 - 4/30 and 8/15 – 11/1".
  - 2) MDE Standard Fertilizer is 10-10-10.
  - 3) Cereal (Winter) Rye is a non-standard species.

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Curtis Detore  
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- c. There are numerous references in the "Permanent Seeding Summary" that are not in accordance with the "1994 Maryland Standards and Specifications for Soil Erosion and Sediment Control". Specifically:
  - 1) all species listed are MDE non-standard. Additionally, MDE Standard Fertilizer is (10-20-20).
  - 2) MDE Standard Fertilizer rate is; N- 90 lb/ac., P205- 175 lb/ac., K20- 175 lb/ac.
- 5. Sheet C-5: Please address the following:
  - a. Include the "Construction Specifications" in the 'Silt Fence' and 'Stabilized Construction Entrance' Details.
  - b. In the 'Silt Fence Detail', specify Class F for the geotextile. Also, the correct minimum embedment depth is 8-inches.
  - c. In the 'Stabilized Construction Entrance Detail', specify Class C for the geotextile.
  - d. In the 'Portable Sediment Tank Detail', Note 1, after 'ROICC', add '..and MDE'.

Please contact me at 3566 if you have any questions of need additional info.