



DEPARTMENT OF THE NAVY

NAVAL WEAPONS STATION EARLE  
201 HWY 34 SOUTH  
COLTS NECK, NEW JERSEY 07722-5001

N60478.AR.000500  
NWS EARLE  
5090.3a

IN REPLY REFER TO  
5090  
Ser 043/263  
10 Nov 98

From: Commanding Officer, Naval Weapons Station Earle  
To: Distribution

Subj: MINUTES OF NAVAL WEAPONS STATION EARLE RESTORATION ADVISORY BOARD (RAB) MEETING OF 10 SEP 98

- Encl: (1) "Landfill Cap Quantities," Prepared by Carl Tippmann, Foster Wheeler Environmental Corporation, 10 Sep 98.  
(2) "Bioslurper Progress," Prepared by G. Goepfert w/data from Foster Wheeler Environmental Corporation, 10 Sep 98.  
(3) "Naval Weapons Station Earle Installation Restoration Program Update," prepared by Mr. John Kolicius, Northern Division, Naval Facilities Engineering Command, 10 Sep 98.

1. A meeting of the Naval Weapons Station (NWS) Earle RAB was held on Thursday, 10 September 1998 at 7:00 p.m. in Building C-54 (Conference Room), NWS Earle. The following Station and community representatives attended:

<u>NAME</u>	<u>ORGANIZATION</u>
Robert M. Honey	Commanding Officer, NWS Earle
Kevin Bova	Executive Director, NWS Earle
Deborah Sciascia	Office of Counsel, NWS Earle
Gus Hermann	Safety Director, NWS Earle
Gregory Goepfert	Environmental Engineer, NWS Earle
Mike Brady	Public Affairs Office, NWS Earle
Janet Coakley	Howell Township, Environmental Commission
Will Stephan	Howell Township, Resident
Lester Jargowsky	Monmouth County Health Dept.
John Kolicius	NORTHNAVFACENGCOM
Russ Turner	Tetra Tech NUS
Merwin Kinkade	Tinton Falls
Jessica Mollin	EPA Region II, Project Manager
Bob Marcolina	NJ Dept. of Environmental Protection
Mary Lanko	Resident, Howell Township
Vincent Moran	Leonardo
Bill Monahan	Tinton Falls Environmental Commission
Michael Heffron	Foster Wheeler Environmental Corporation
Mary Jo Christian	Tinton Falls

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2. The minutes of the 10 Sep 98 meeting were reviewed and entered into the record.
  - a. Access controls have been installed at Sites 4 (Landfill south of Lake Earlé) and at Site 5 (Landfill adjacent to the Explosives Ordnance Disposal (EOD) Range).
3. A field tour was conducted of the completed landfill cap work at Site 5. Enclosure (1) was distributed for informational purposes to members present.
4. Mr. Goepfert stated that the Record of Decision (ROD) for Site 26 (Trichloroethylene Site at Bldg. GB-1) has been signed by the Navy and the U.S. Environmental Protection Agency (EPA). Further, the Proposed Plan for "No Further Action" at eight sites was approved by the U.S. EPA [i.e.: Site 14 (Mercury Spill at the Defense Property Disposal Warehouse), Site 20 (Grit Blast Disposal Site Adjacent to Bldg. 544), Site 22 (Paint Sludge Disposal Site Adjacent to Bldg. D-2), Site 23 (Paint Sludge Disposal Site Adjacent to Bldg. D-5), Site 24 (Northern-most closed pistol range en route to Lake Earle), Site 25 (Southern-most closed pistol range en route to Lake Earle), Site 27 (Projectile Refurbishing Area at Bldg. E-14) and Site 29 (PCB Spill Site north of Bldg. C-16)]. The Feasibility Studies for Sites 3 (Landfill Southwest of F-group), Site 10 (Scrap Metal Landfill near Bldg. 589) and Site 13 (Defense Property Disposal Office Yard) are being reviewed by the EPA and New Jersey Department of Environmental Protection (NJDEP).
5. Mr. Jargowsky gave a presentation on "Rapid Bioassessment at NWS Earle". He stated that the term "macroinvertebrates" evokes many citations on the Internet. It appears that Rapid Bioassessment is a sampling/analysis technique that is enjoying increased acceptance in the scientific community as a means of quickly determining the water quality of streams and rivers. In the investigations conducted by Brookdale students, with the assistance of Monmouth County Health Dept. personnel at NWS Earle, mayflies, caddisflies and stone fly larvae were found in samples taken. NJDEP has classified most streams in New Jersey as "moderately impaired", however, the headwaters of the Mine Brook at Earle is considered to be "a treasure" by State standards. There was one area, however, that evidenced more than "moderate" impairment. There appeared to be overbrowsing by deer in that area.

**Captain Honey asked, "Why would there be overbrowsing in that area?"**

**Mr. Bova responded that the deer could be coming from a laurel/briarwood patch.**

**Mr. Heffron mentioned that the sediment type could be effecting the apparent stream quality.**

**Mr. Jargowsky theorized, "like a heavy leaf burden?"**

**Ms. Sciascia asked if there was a downstream sample taken. Mr. Goepfert responded that the downstream samples were of better quality.**

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**Mr. Hermanni asked if the problem was localized, how big of an area appears to be affected? Mr. Jargowsky responded, "I couldn't tell you."**

**[Action: Mr. Goepfert offered that surface water and sediment samples would be taken from the stream to identify if a source of the stream's impairment could be identified. He noted that the recently closed (1995 time frame) demilitarization furnace was adjacent to this site, and Site 10 (Scrap Metal landfill) is also located just south of this stream].**

6. Mr. Goepfert presented the most recent results from the operation of the Bioslurper", (enclosure (2)). Mr. Heffron offered that fluctuations in the water table resulted in reduced efficiencies in the units.

**Mr. Kinkade asked, "are the discharge limits being met?"**

**Mr. Heffron answered, "Yes, the effluent water quality from the Bioslurper surpasses the standard placed on the effluent from the Station's sewerage treatment plant". [Note: the Bioslurper effluent is directed to the Station's sewerage treatment plant as per the "Treatment Works Approval" issued by the NJDEP].**

7. Mr. Kolicius discussed the overall program status and plans for Fiscal Year 1999 [which runs from 1 October 1998 through 30 September 1999]. The presentation is provided as enclosure (3). On Sites 4 & 5, Operations and Maintenance Plans are due by the end of September 1998. A draft Record of Decision for the eight "No Further Action" sites are due by the end of October 1998. The feasibility studies for Sites 3, 10 and 13 will be review by EPA, and a Proposed Plan will be finalized for these sites by the end of December 1998.

8. Milestones:

a. Mr. Goepfert will arrange for sampling of the impacted stream and report results at the next RAB meeting.

b. O & M Plans for Sites 4 and 5 will be completed by Foster Wheeler by 30 Sep 98.

c. Record of Decision for the eight "No Further Action" sites will be prepared by Tetra Tech NUS/J. Kolicius by the end of October 1998.

d. Proposed Plan for Sites 3, 10, and 13 will be prepared by Tetra Tech NUS in consultation with J. Kolicius by the end of December 1998.

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9. The next meeting of the Restoration Advisory Board (RAB) will be held on Thursday, December 10, 1998, 7:00 P.M. at NWS Earle, Bldg. C-54 large-conference room.

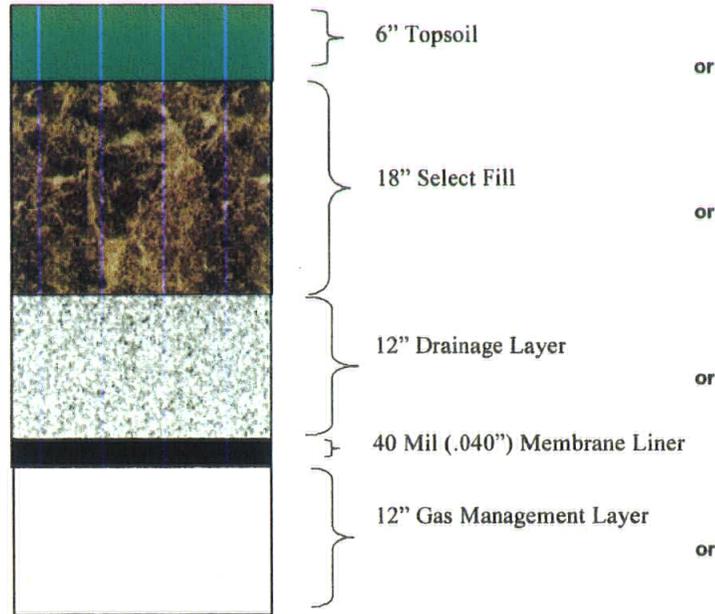
10. Meeting adjourned at 8:35 P.M.

Submitted by:   
GREGORY J. GOEPFERT  
Navy Co-Chair  
Restoration Advisory Board

Approved/Reviewed by:   
AUGUST L. HERMANNI  
By direction

Distribution:  
RAB Members/Attendees

# Landfill Cap Quantities



**TOTAL FILL MATERIAL** or

		Site 4		Site 5	
		Total	To Date	Total	To Date
2,500	Tons	2,500	Tons	22,400	Tons
104	Trucks	104	Trucks	933	Trucks
14,300	Tons	14,300	Tons	38,700	Tons
596	Trucks	596	Trucks	1,613	Trucks
9,300	Tons	9,300	Tons	25,100	Tons
388	Trucks	388	Trucks	1,046	Trucks
127,600	SF	127,600	SF	344,700	SF
10,100	Tons	10,100	Tons	34,300	Tons
421	Trucks	421	Trucks	1,429	Trucks
36,200	Tons	36,200	Tons	120,500	Tons
1,508	Trucks	1,508	Trucks	5,021	Trucks

# BIOSLURPER PROGRESS

	Hrs Ops	Water Recovery (gal)	Oil Separated (gal)
Unit #1	261.5	104039	1575
Unit #2	184	68596	200
<b>TOTAL</b>	<b>445.5</b>	<b>172635</b>	<b>1775</b>

Period of Performance : Feb - Aug 98

9/10/98

### NWS EARLE I.R. PROGRAM ONGOING ACTIVITY

- Completion of Site 4 and 5 O & M Plans
- NFA Record of Decision for OU-4 (Sites 14, 20, 22, 23, 24, 25, 27 and 29)
- Completion of Feasibility Studies and Proposed Plans for OU-5 (Site 13) and OU-6 (Sites 3 & 10)
- Bioslurping at Site 16/F

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### NWS EARLE I.R. PROGRAM PLANS FOR FY99

- Site 26 Design/Pilot Study/Implementation of full-scale remediation system
- Removal Action/Preliminary Assessment at former pesticide shop
- Preliminary Assessment/Site Investigation of newly identified battery disposal area
- Site 12 Removal Action

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### NWS EARLE I.R. PROGRAM PLANS FOR FY99 (continued)

- Interim Action ( Bank Stabilization) at Sites 6 and 17
- Remedial Design/Remedial Action at OU-6 Sites (3 & 10)
- OU-5 (Site 13) Remedial Design
- FS/PRAP/ROD at Sites 1,7,9 and 12

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### PRELIMINARY PLANS FOR NEWLY IDENTIFIED SITES

- Pesticide Shop - Elevated levels of DDT & Chlordane found in Surface Soils - We will conduct removal and check groundwater
- Battery Disposal Area - Visible batteries & elevated metals in soil - We will initiate a Preliminary Assessment/Site Investigation
- Precious Metals Facility - Slightly elevated metals in soil - Further investigation needed

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### FEASIBILITY STUDIES FOR SITES 13 (OU-5), 3 & 10 (OU-6)

- ALTERNATIVES DEVELOPED
  - No action
    - Baseline risk for comparison
  - Institutional Controls & Long-term Monitoring
    - Limits exposure to site-related contaminants
  - Capping, Institutional Controls & Long-term Monitoring
    - Limits exposure and minimizes migration of contaminants to groundwater and surface water

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### Projected FY99 Funding Profile

Studies	\$ 386K	7.4%
Designs	\$ 737K	14.1%
Remedial Actions	\$3,379K	64.8%
Long-term Monitoring and Operations	\$ 140K	2.7%
Underground Tank Program	\$ 572K	11.0%
<b>Total</b>	<b>\$5,214K</b>	<b>100.0%</b>

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