

N60478.AR.000960
NWS EARLE
5090.3a

LETTER REGARDING THE RESTORATION ADVISORY BOARD MEETING MINUTES
SUMMARY FOR SITE 7 SOUTH OF P BARRICADES WITH TRANSMITTAL AND
ATTACHMENT NWS EARLE NJ
9/14/2010
TETRA TECH



TETRA TECH

PHIL-23946

November 4, 2010

Project Number 00573

Naval Facilities Engineering Command Mid - Atlantic
9742 Maryland Avenue
Norfolk, Virginia 23511-3095

Attn: Mr. Roberto Pagtalunan, P.E.

Reference: CLEAN Contract No N62472-03-D-0057
Contract Task Order (CTO) No. 059

Subject: Distribution of September 2010 Restoration Advisory Board/Site 7 (OU10)
Public Meeting Minutes
Naval Weapons Station Earle - Colts Neck, New Jersey

Dear Mr. Pagtalunan:

Enclosed for your files are the meeting minutes and stenographer transcript for the September 14, 2010, Restoration Advisory Board (RAB) public meeting held for Site 7, Landfill South of "P" Barricades. The meeting was held at the Monmouth County Library in Manalapan, New Jersey. Should you have any questions or require additional copies, please do not hesitate to contact me.

Sincerely,

Mary M. Mang, CHMM
Project Manager

MMM/nfs

Enclosures

c: Jessica Mollin (EPA) (2 copies)
Erica Bergman (NJDEP) (3 copies)
Scott Fleming (NWS Earle) (1 copy)
Bonnie Capito (NAVFAC Lant) (no enclosures)
Garth Glenn (Tetra Tech) (no enclosures)
John Trepanowski (Tetra Tech) (no enclosures)
Glenn Wagner (Tetra Tech) (1 copy)
File

**NAVAL WEAPONS STATION EARLE
RAB MEETING MINUTES SUMMARY
SITE 7, LANDFILL SOUTH OF "P" BARRICADES**

Meeting Date: September 14, 2010

Meeting Time: 7:00 PM

Meeting Place: Monmouth County Library, Manalapan, New Jersey

Attendance:	<u>Name</u>	<u>Organization</u>
	Roberto Pagtalunan	Navy NAVFAC-MidLant
	Eric Helms	NWS Earle
	Scott Fleming	NWS Earle
	Jessica Mollin	EPA Region 2
	Erica Bergman	NJDEP
	Mary Mang	Tetra Tech NUS, Inc.
	Vajira Gunawardana	Community Member

Roberto Pagtalunan opened the meeting by introducing himself as the Navy Remedial Project Manager (RPM) working for NAVFAC-MidLant in Norfolk, VA and summarizing the meeting agenda and purpose. The meeting purpose was to present the Navy's proposed remedial action plan for Site 7 (Operable Unit (OU) 10).

Mr. Pagtalunan introduced Mary Mang to present the Proposed Remedial Action Plan (PRAP) for OU10. Ms. Mang thanked everyone for coming and presented a brief background of the Naval Weapons Station (NWS) Earle and Site 7, which is the focus of the meeting. She explained using a presentation slide that NWS Earle consists of two areas – the Mainside Area and the Waterfront Area. The Waterfront Area borders Sandy Hook Bay and is connected to the Mainside Area via a Navy controlled 10-mile long rail road and roadway right-of-way. Site 7 is located within the southern part of the Waterfront Area. The Navy's Environmental Restoration Program at NWS Earle began in the early 1980s; when, based on interviews with site workers, review of old records and site inspections, 27 sites were identified where hazardous materials or wastes may have been utilized. The Navy, working with the EPA and NJDEP, is in the process of addressing each of these 27 sites under various environmental regulatory programs. Currently, 21 of the sites have signed records of decision under the Superfund or CERCLA program. These 21 sites have been the subject of remedial investigations, feasibility studies if required, proposed remedial action plans, and have signed records of decision. The proposed remedial action plan for Site 7 is what is being presented at tonight's meeting. Ms. Mang presented a summary slide outlining the 21 sites with signed records of decisions. In addition, she explained that one of the 27 sites is being addressed under the RCRA Subpart X permitting program, Site 16/F is being addressed under the NJDEP underground storage tank program, and Site 7, the subject of tonight's meeting, is expected to have a signed ROD by the end of September 2010. She also explained that there are three remaining sites, Sites 9, 41, and 46 that are expected to be completed by the end of fiscal year 2011. The Site 7 presentation will outline the Navy's proposed remedy, explain the 30-day public review and comment period and how the public can submit comments, and then summarize the sequence of events following the conclusion of this comment period.

Site 7 has gone through the process similar to the other 21 sites at Earle that have signed records of decision. Environmental investigations have been conducted at the site since the early 1980s, with the most relevant ones being the 1995-1996 remedial investigation, a groundwater investigation conducted in April 2005, and a third groundwater investigation conducted during the summer of 2009. Site 7 was used

A member of the public indicated that based on his experience NJDEP does not accept risk assessment findings on nonfederal properties, so how was a NFA (no further action) going to be issued for the Navy's site. Ms. Bergman from NJDEP explained that while she was not sure what review or comments the state made on the human health or ecological risk assessments or 2008 review, in terms of groundwater quality, the standards are based on human health risks and that is why those numbers are cited in the record of decision. In order to move ahead with the no action remedy, those standards had to be met. A member of the public asked if there were any contaminants in soil above the state standards and Ms. Mang indicated that nothing was found in the surface soil or test pit soil samples that would pose any risk to human health or the environment. A member of the public asked the question, will a Classification Exception Area (CEA) or anything like that, be needed for groundwater? Ms. Bergman indicated that a CEA was discussed; however, based on the NJDEP's review of the groundwater results, the iron and aluminum present in the site wells is not a site-related release.

Mr. Pagtalunan then asked if there were any more questions and also introduced the other members of the Navy, NJDEP, and EPA that were present at the meeting. There were no additional comments, so Mr. Pagtalunan asked if there were any comments from either of the regulators (there were none) and thanked everyone for coming out to the meeting.

The meeting ended at 7:30 PM.

Attachment A contains a copy of the PowerPoint presentation that was presented at the meeting.

Attachment B contains a copy of the meeting transcript.

Attachment C contains a copy of the published meeting announcement.

ATTACHMENT A

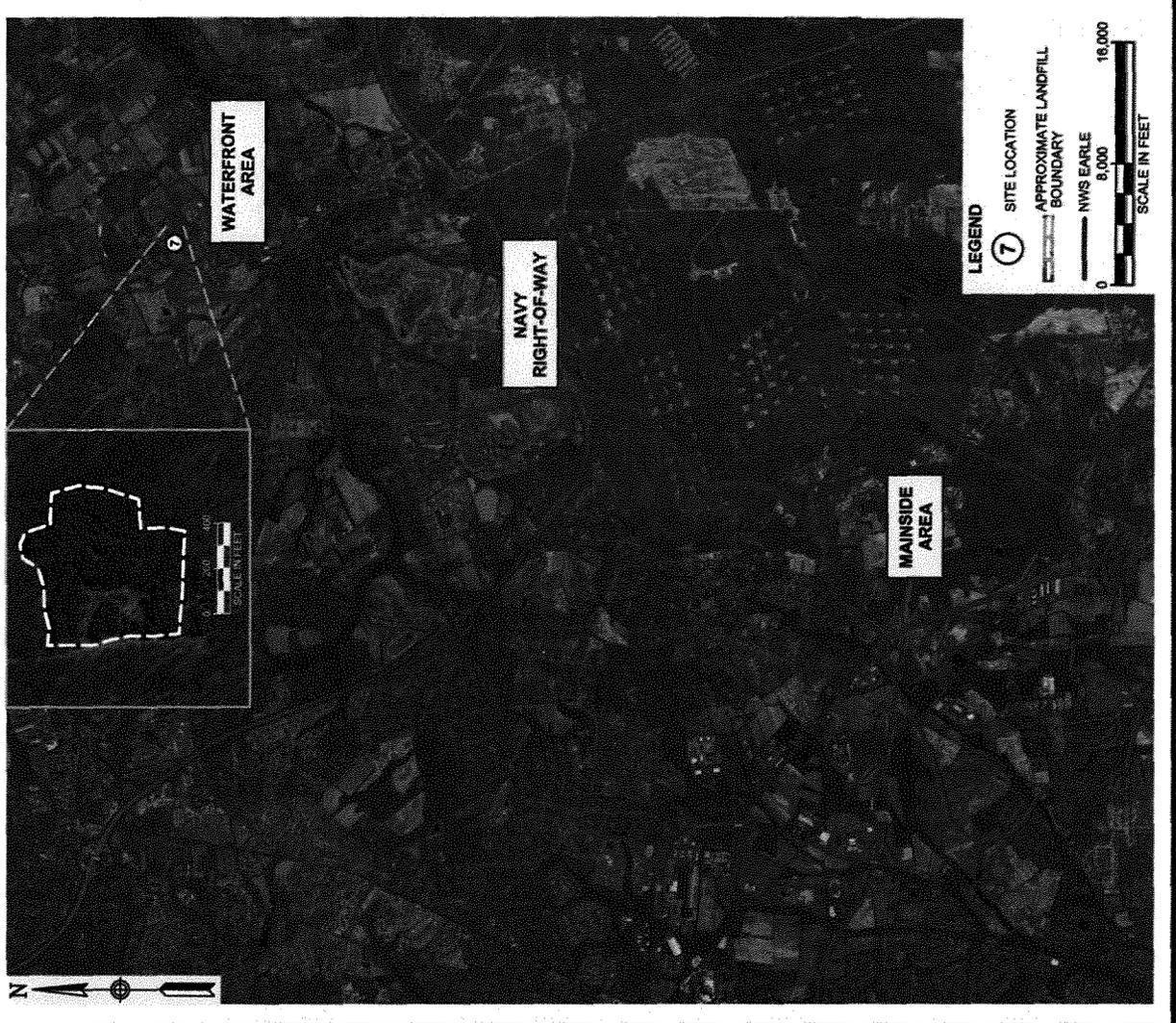
Proposed Remediation Plan for Site 7 (OU-10)



September 14, 2010



Site 7 Location





Environmental Restoration Program Sites at NWS Earle

21 Sites - Signed Records of Decision

1 Site (Site 7) - ROD expected FY 2010

1 Site (Site 2) - RCRA Subpart X Program

1 Site (Site 16/F) - NJDEP UST Program

3 Sites (Sites 9, 41 & 46) - Expected NFA, FY 2011

27 Total ER Program Sites

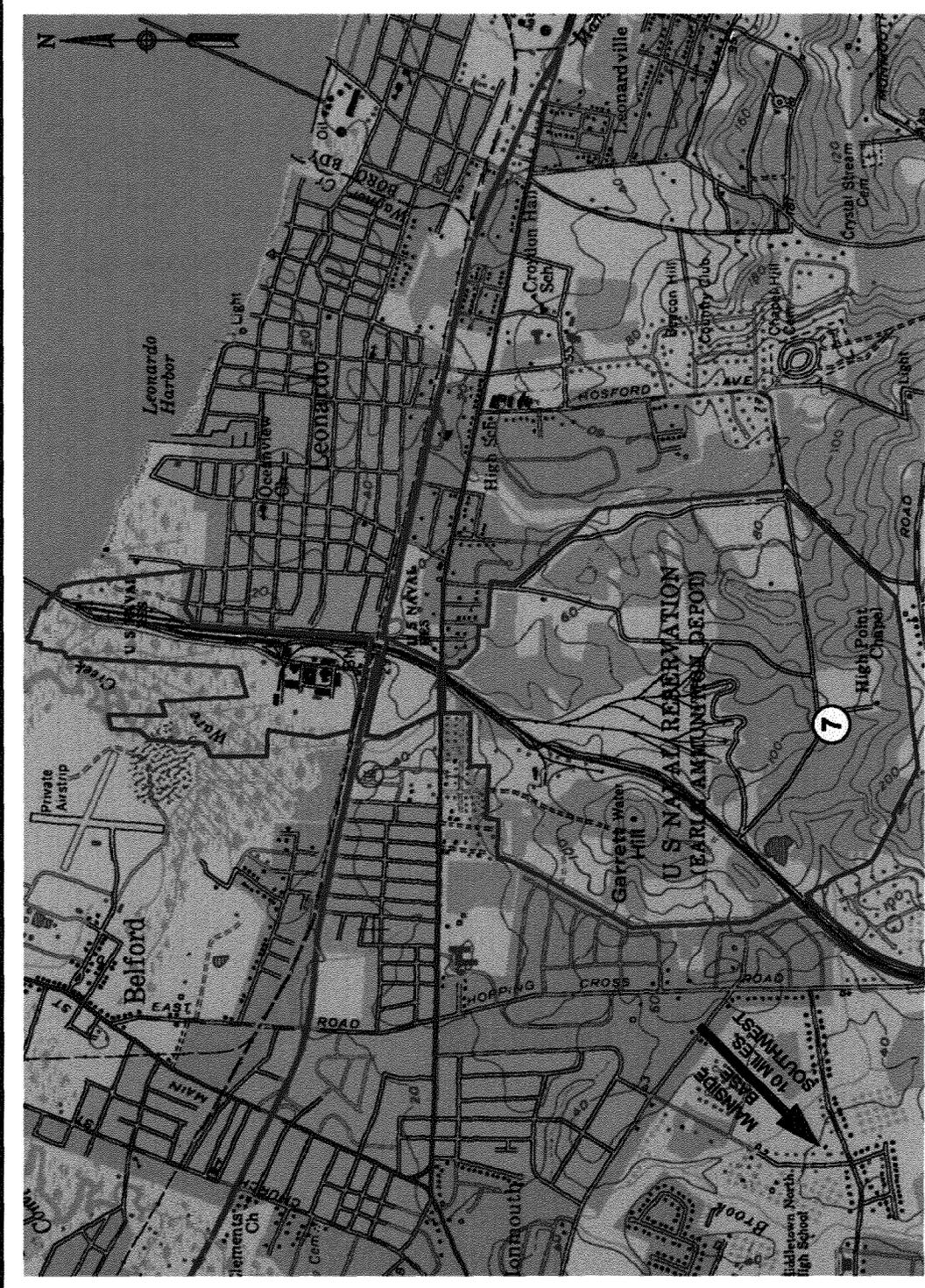


Overview

- Location
- Summary of past activities
- Summary of proposed action
- How the public can obtain more information
- Comment period and how to submit comments
- Sequence of subsequent events



NWS Earle Waterfront Area



SITE 7 LOCATION

LEGEND

7 SITE LOCATION



Site 7

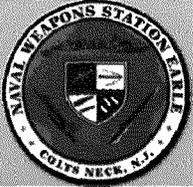


LEGEND

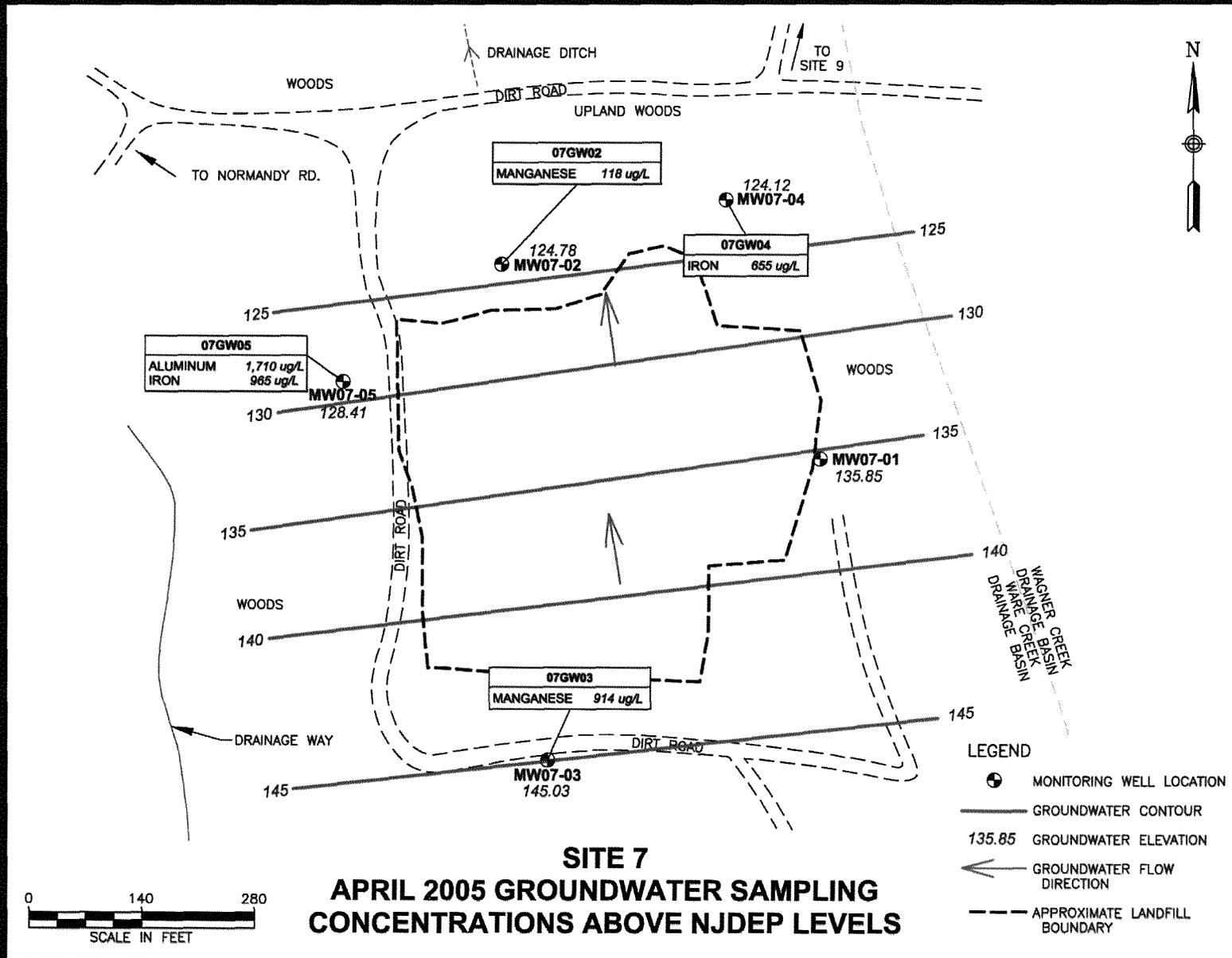
- MONITORING WELL LOCATION
- APPROXIMATE LANDFILL BOUNDARY



SITE 7



Site 7 – Groundwater Results



**SITE 7
APRIL 2005 GROUNDWATER SAMPLING
CONCENTRATIONS ABOVE NJDEP LEVELS**



Site 7 - Alternatives

Alternative 1: No Action



Site 7





Site 7 – Events

- Comment Period Ends – September 19, 2010
- Navy Incorporates Public Comments into Responsiveness Summary
- Record of Decision (ROD) To be Issued



Site 7 – Document Location and Written Comments

Document Location:

Monmouth County Library – Eastern Branch
1001 Route 35
Shrewsbury, NJ 07702

Written Comments Direct to:

Environmental Director
Building C-23
Naval Weapon Station Earle
201 Highway 34
Colts Neck, NJ 07722-5031

ATTACHMENT B

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25

PROPOSED REMEDIATION PLAN

FOR

SITE 7 (OU-10)

- - -

PUBLIC MEETING

- - -

Tuesday, September 14, 2010

7:00 p.m.

- - -

Monmouth County Library

125 Symmes Drive

Manalapan, NJ

- - -

KIMBERLY A. OVERWISE, RPR, CCR(NJ)
Certified Realtime Reporter
215-862-4954
koverwise@gmail.com

1

2 PRESENT:

8 Earle. And we're here tonight to present
9 this public meeting with regard to the
10 proposed remediation plan for Site 7 for
11 operable Unit 10. And I'm going to pass
12 this over to Mary Mang, who will present on
13 the plan.

14 MS. MANG: Good evening. Thank
15 you for coming. Just to give you a little
16 bit of background on the Naval weapons
17 Station Earle and Site 7 focus of tonight's
18 meeting, this is a figure of Earle. NWS
19 Earle consists of two main areas: The main
20 side area, which is located to the south, is
21 bigger, and then the waterfront area, which
22 is located on the north near Sandy Hook Bay.
23 They're connected by an approximately
24 10-mile right-of-way. Site 7, which is the
25 focus of tonight's meeting, is located in

4

1 Public Meeting 9-14-10

2 the southern part of the waterfront area.

3 To give you some background on the
4 environmental investigations at NWS Earle,
5 back in the early 1980s, the Navy initiated
6 investigation that included both
7 conversations with workers, looking through
8 old records, going out to sites where there
9 were possible hazardous materials, hazardous
10 wastes may have been utilized. And based
11 upon that initial survey and then several

17 Department of Environmental Protection
18 Underground Storage Tank Program. And that
19 includes investigation and an ongoing
20 remediation of groundwater at that site.

21 And then there's three sites
22 remaining that are currently being -- the
23 investigations have been completed, the
24 feasibility studies are now ongoing. Those
25 are Sites 9, 41, and 46. And it's expected

6

1 Public Meeting 9-14-10
2 that they will be complete the end of fiscal
3 year 2011.

4 So for tonight's meeting, what
5 we're going to do is just an overview on
6 site 7 of location, summary of past
7 activities that have been conducted there,
8 summary of the proposed action that the Navy
9 is planning on implementing, how you as the
10 public can obtain information, the comment
11 period that we're now into, 30-day comment
12 period and how to submit comments, and then
13 the sequence of events following the
14 conclusion of this comment period.

15 So site 7's gone through the
16 normal process just like the other 21 sites
17 out at Earle that have signed records of
18 decisions. There's been environmental
19 investigations conducted since the early
20 '80s. The most I guess relevant ones for

1 Public Meeting 9-14-10

2 there was a surface water sample collected
3 to the northern part just off-site.

4 Today this site -- this picture
5 shows it was covered with tall grasses and
6 pine trees. There's several dirt roads that
7 access the site, but it's within the
8 confines of the secure waterfront area.

9 what this figure is showing is
10 groundwater flow direction is to the north.
11 So this is Site 7 down here. And
12 groundwater flows up this way towards north,
13 towards the bay.

14 These are the results from the
15 April 2005 groundwater sampling
16 investigation. The main contaminants or
17 compounds that have been found in
18 groundwater have consisted of metals and
19 then a few organic compounds. However, in
20 April 2005, the only things that were found
21 above New Jersey levels for groundwater
22 quality were aluminum, iron, and manganese.
23 None of the organics at that time were found
24 at levels above New Jersey standards.

25 Most recently in July 2009, the

1 Public Meeting 9-14-10

2 sampling that was conducted focused on

8 aesthetics-based based upon taste or odor.
9 And if you look at health-based numbers,
10 they're significantly lower than that.
11 There was a site-specific health-based
12 number that was in the feasibility study,
13 and the levels seen are significantly below
14 that.

15 So based upon all of that
16 information, it was decided that no action
17 was the remedy that was warranted for the
18 site. So what no action means is that the
19 site will remain in its current state,
20 though the Navy has voluntarily elected to
21 put a more uniform thickness of soil over
22 the remaining wastes that are there. So the
23 trees were removed. It's being graded to
24 facilitate runoff and will have a uniform
25 thickness of soil cover, and then it will be

11

1 Public Meeting 9-14-10
2 vegetated with perennial native grass
3 species.

4 So where we are right now is we
5 are in a 30-day comment period. The
6 proposed remedial action plan was written
7 and drafted and reviewed by EPA and DEP.
8 The Navy put out a public notice back on
9 August 20th through the 22nd notifying in
10 the Asbury Park Press about the 30-day
11 comment period. The comment period ends

17 any questions or comments or want to add
18 anything?

19 Do you have any comments?

20 MR. GUNAWARDANA: I have a
21 question. The reason I'm here is I live in
22 Monmouth County and I'm an environmental
23 engineer by profession. It's more academic
24 interest than anything else. Interestingly,
25 you are addressing on the CERCLA the EPA

13

1 Public Meeting 9-14-10

2 requirements for risk assessment. You said
3 New Jersey. DEP, they do not accept risk
4 assessment on nonfederal properties. So are
5 they going to issue an NFA based on the
6 risk-based, or what is the form? Because
7 even though you get EPA concurrence, DEP
8 will not accept risk-based assessment for
9 remedial alternative as of today.

10 MS. BERGMAN: I think there is
11 some question whether or not DEP reviewed
12 human health risk assessment and/or the
13 ecological risk assessment back when it was
14 originally done in 1996. And then I think
15 there was a rereview in 2008. I have to
16 find that out. I'm still looking into
17 whether or not there were any comments made
18 from the Department.

19 But in terms of risk assessment,
20 the groundwater quality standards are based

1 Public Meeting 9-14-10
2 exceeded the State groundwater quality
3 standard. Most recently, in the most recent
4 data, the only compounds that exceed the
5 State groundwater quality standards are
6 manganese, aluminum, and iron. Manganese
7 has been detected in an upgradient well, so
8 it's not site-related. And then aluminum
9 and iron are the standards that the State
10 has and -- correct me, Erica -- are not
11 human health risk-based. The numbers that
12 they're using they're pulling from the
13 secondary drinking water federal drinking
14 water regulations, which are
15 esthetics-based.

16 MR. GUNAWARDANA: Maybe I
17 misunderstood. Groundwater, I'm not talking
18 about groundwater. The soils, were there
19 any contaminants?

20 MS. MANG: No.

21 MR. GUNAWARDANA: So there were no
22 contaminants in the soil above standard?

23 MS. MANG: No.

24 MR. GUNAWARDANA: Sorry. I
25 misunderstood.

1 Public Meeting 9-14-10

2 MS. MANG: No. Soils, there was

8 excited to get it started -- to introduce
9 who's involved here. Eric Helms and Scott
10 Fleming are with Naval Weapons Station
11 Earle. Eric is the director, and Scott is
12 the installation restoration point of
13 contact at Earle. We also have NJDEP Erica
14 Bergman and EPA Region 2 Jessica Mollin.

15 MR. GUNAWARDANA: Erica helps us
16 tremendously. I was just trying to give her
17 a hard time today. That's all.

18 MS. BERGMAN: That's why I'm here.

19 MR. GUNAWARDANA: She's great.

20 MR. PAGTALUNAN: Okay. So you
21 were just giving her a hard time. Okay.

22 MS. BERGMAN: Dotting your Is and
23 crossing your Ts.

24 MR. PAGTALUNAN: Thank you for
25 coming out.

18

1 Public Meeting 9-14-10

2 MR. GUNAWARDANA: Making your
3 quorum.

4 MR. PAGTALUNAN: So we thank you
5 for coming out. And if there are no
6 comments from either of the regulators,
7 thank you.

8 (Adjourned at 7:30 p.m.)

9 - - -

10
11

Attachment B - Transcript 091410 Mtg - 23946.txt
Registered Professional Reporter
Certified Court Reporter (NJ)
Certified Realtime Reporter
Notary Public

17

18

19

20

21

22

23

24

25

My commission expires:
November 13, 2012

□

ATTACHMENT C

