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NSTC GREAT LAKES
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LETTER AND ATTACHED SIGNED PAGE FOR THE FINAL RECORD OF DECISION FOR
SITE 5 TRANSFORMER STORAGE BONEYARD, SITE 9 CAMP MOFFETT RAVINE FILL
AREA AND SITE 21 BUILDINGS 1517/1506 AREA NSTC GREAT LAKES IL
07/08/2015
ILLINOIS ENVIRONMENTAL PROTECTION AGENCY



ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

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BRUCE RAUNER, GOVERNOR

LISA BONNETT, DIRECTOR

(217) 557-8155

July 8, 2015

NAVFAC MIDLANT

Attn: Maritza Montegross, Code OPTE3

9324 Virginia Avenue

Norfolk, VA 23511-3095

Re: Record of Decision for
Site 5 – Transformer Storage Boneyard
Site 9 – Camp Moffett Ravine Fill Area
And Site 21 – Buildings 1517/1506 Area
Naval Station Great Lakes, Illinois

0971255048 – Lake County
Great Lakes Naval Station
Superfund/Technical

Dear Ms. Montegross:

The Illinois Environmental Protection Agency (Illinois EPA or Agency) is in receipt of the Navy's *Final Record of Decision for Site 5 – Transformer Storage Boneyard, Site 9 – Camp Moffett Ravine Fill Area, and Site 21 – Buildings 1517/1506 Area, Naval Station Great Lakes, Great Lakes, Illinois*. It was dated October 2014. The Record of Decision (ROD) presents the selected remedies for Sites 5, 9, and 21, which were chosen by the Department of the Navy (Navy), as lead Agency, in accordance with the statutory and regulatory requirements under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), as amended by the Superfund Amendments and Reauthorization Act (SARA), and the National Oil and Hazardous Substances Pollution Contingency Plan (NCP). All three sites are addressed in one document because of their proximity to each other and their similar geology, hydrogeology, and contaminated media. Director Bonnett has affixed her signature to the document, as requested. Illinois EPA is herein returning the completed original signature pages (2) to the Navy. Please place these pages back into the final documents and provide the Agency with two copies of the completed Final Record of Decision.

If you have any questions regarding anything in this letter or require any additional information, please contact me at (217) 557-8155 or via electronic mail at brian.conrath@illinois.gov.

Sincerely,

Brian A. Conrath

Brian A. Conrath
Remedial Project Manager
Federal Site Remediation Section
Bureau of Land

 E:\GIS\GIS\Site 5\Site5921RODsigpgs.docx

cc: Bob Davis, Tetra Tech NUS, Inc.

Owen Thompson, USEPA (SR-6J)

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2.0 DECISION SUMMARY

Section 2.1 includes general information on NSGL as a whole and information applicable to each site. Site-specific information for Sites 5, 9, and 21 is summarized in Sections 2.2 through 2.4, respectively.

2.1 NAVAL STATION GREAT LAKES

2.1.1 Site Name, Location, and Brief Description

NSGL, USEPA ID number IL7170024577, covers 1,202 acres of Lake County, which is located in northeastern Illinois, north of the City of Chicago, and encompasses 1.5 miles of Lake Michigan shoreline. NSGL is used to support naval training and consists of the Recruit Training Command, Training Support Center, and Naval Facilities Engineering Command Midwest.

Sites 5, 9, and 21 are part of a comprehensive environmental investigation and cleanup program currently being performed at NSGL for 22 areas of potential hazardous material releases. The sites are being evaluated with respect to contamination characteristics, migration pathways, and pollutant receptors. Several of these sites warranted further investigation to assess potential long-term impacts, including Site 5, Site 9, and Site 21, because historical activities at these sites may have resulted in soil and/or groundwater contamination.

2.1.2 Site History and Enforcement Activities

Table 2-1 summarizes the previous investigations at Sites 5, 9, and 21. Additional details are provided in Sections 2.2 through 2.4 for Sites 5, 9, 21, respectively.

TABLE 2-1. PREVIOUS INVESTIGATIONS AND SITE DOCUMENTATION		
INVESTIGATION	DATE	ACTIVITIES
SITE 5 AND SITE 9		
Initial Assessment Study (IAS)	1986	Included review of historical records and aerial photographs, field inspections, and personnel interviews to evaluate the potential for environmental impacts at numerous sites across the base. Site 5 and 9 were identified as areas where further investigation was recommended to confirm or refute the presence of suspected contamination.
SITE 5		
Verification Study	1991	Indicated the presence of oil and grease, Aroclor-1260, and elevated concentrations of lead in soil at Site 5.
Remedial Investigation (RI)/Risk Assessment	2013a	Field investigations conducted in 2010 and 2012 at Site 5. Analysis of soil and groundwater samples indicated PAHs and metals in soil and volatile organic compounds (VOCs) and metals in groundwater at concentrations exceeding Illinois EPA Tiered Approach to Corrective Action Objectives (TACO) criteria . A risk assessment was performed using data from the Site 5 RI, and the results are discussed in Section 2.2.2.
SITE 9		
RI	2013b	Field investigation conducted in 2009 at Site 9 to determine the nature and extent of fill materials in former ravines. PAHs, lead, and mercury in subsurface soil and chloroform, iron, lead, and manganese in groundwater were at concentrations exceeding Illinois EPA TACO criteria. A risk assessment was performed using data from the Site 9 RI and the results are discussed in Section 2.3.2.

TABLE 1-1. ROD DATA CERTIFICATION CHECKLIST	
DATA	LOCATION IN ROD
Contaminants of Concern (COCs) and their respective concentrations	Sections 2.2.2, 2.3.2, 2.4.2
Baseline risk represented by the COCs	Sections 2.2.2, 2.3.2, 2.4.2
Cleanup objectives established for COCs and the basis for these levels	Sections 2.2.3, 2.3.3, 2.4.3
How source materials constituting principal threats are addressed	Section 2.2.6, 2.3.6, 2.4.6
Current and reasonably anticipated future land use assumptions used in the risk assessment	Section 2.1.6
Potential land and groundwater uses that will be available at the site as a result of the Selected Remedies	Sections 2.2.6, 2.3.6, 2.4.6
Estimated capital and net present worth (NPW) costs; discount rate; and number of years over which the remedy costs are projected	Sections 2.2.4, 2.3.4, 2.4.4
Key factors that led to the selection of the remedies	Sections 2.2.6, 2.3.6, 2.4.6

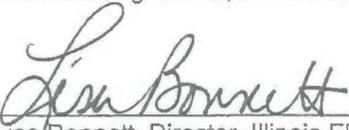
1.7 AUTHORIZING SIGNATURES



 W. A. Bulis, Captain, United States Navy
 Commanding Officer, Naval Station Great Lakes

5 FEB 2015

 Date



 Lisa Bonnett, Director, Illinois EPA

7/2/15

 Date