

SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION

1. LICENSEE/LOCATION INSPECTED: <i>GREAT LAKES NAVAL TRAINING CENTER GREAT LAKES, IL</i>	2. NRC/REGIONAL OFFICE <i>Region III 801 WARRENVILLE RD. Lisle, IL 60532</i>
REPORT NUMBER(S) <i>04008306/2003-001</i>	

3. DOCKET NUMBER(S) <i>040-08306, 040-08680</i>	4. LICENSE NUMBER(S) <i>SMC-01207, SUC-01332</i>	5. DATE(S) OF INSPECTION <i>9/15/03</i>
--	---	--

6. INSPECTION PROCEDURES USED <i>87104</i>	7. INSPECTION FOCUS AREAS <i>Site security, TOUR</i>
---	---

LICENSEE:
 The inspection was an examination of the activities conducted under your license as they relate to radiation safety and to compliance with the Nuclear Regulatory Commission (NRC) rules and regulations and the conditions of your license. The inspection consisted of selective examinations of procedures and representative records, interviews with personnel, and observations by the inspector. The inspection findings are as follows:

- 1. Based on the inspection findings, no violations were identified.
- 2. Previous violation(s) closed.
- 3. The violation(s), specifically described to you by the inspector as non-cited violations, are not being cited because they were self-identified, non-repetitive, and corrective action was or is being taken, and the remaining criteria in the NRC Enforcement Policy, NUREG-1600, to exercise discretion, were satisfied.
 _____ non-cited violation(s) were discussed involving the following requirement(s):

- 4. During this inspection, certain of your activities, as described below and/or attached, were in violation of NRC requirements and are being cited. This form is a NOTICE OF VIOLATION, which may be subject to posting in accordance with 10 CFR 19.11.

CGL 10/18

STATEMENT OF CORRECTIVE ACTIONS

I hereby state that, within 30 days, the actions described by me to the inspector will be taken to correct the violations identified. This statement of corrective actions is made in accordance with the requirements of 10 CFR 2.201 (corrective steps already taken, corrective steps which will be taken, date when full compliance will be achieved). I understand that no further written response to NRC will be required, unless specifically requested.

TITLE	PRINTED NAME	SIGNATURE	DATE
LICENSEE	<i>Patricia A. Haworth</i>	<i>Patricia A. Haworth</i>	<i>9-15-03</i>
NRC INSPECTOR	<i>Eugenio A. Bonano</i>	<i>Eugenio A. Bonano</i>	<i>9.15.03</i>

MATERIALS DECOMMISSIONING INSPECTION FIELD NOTES
Region III

Inspection Report No. 040-009022/2003-001

License No. SMC-01207, SUC-01332

Docket Nos. 040-08306, 040-08680

Non-Licensee: Great Lakes Naval Training Center

Contact: Pat A. Hayworth

Telephone No: 757-887-4692

Date of Amendment: Last Amendment No.

Program Code:

Date of Last Inspection: August 14, 2000

Date of This Inspection: September 15, 2003

Date of Next Inspection: TBD (dependent on progress of Phase III project)

Type of Inspection: Announced Unannounced
 Routine Special
 Initial Decomm. Reinspection of Decomm.
Level of Inspection: Normal Reduced Extended

Brief Description of Inspection Activities:

The NRC inspector toured the site to observe radiological postings and site security. The inspector and the site owners/non-licensee (and their contractors) (see list of attendees) discussed NRC requirements regarding: regulations to release the site for unrestricted use, funding, and the time table for completion of the Great Lakes site cleanup.

Brief Description of Findings and Actions:

The non-licensee is meeting all requirements under 10 CFR Part 20, Subpart J, Paragraph 1902, "Posting requirements", and Subpart I, "Storage and Control of Licensed Material". The contractor will begin the Phase III Project USN 2000-003, Modification I (remediation and final status survey) to release the north fence area and soil pile for unrestricted use. Work is scheduled to be completed by December. The non-licensee will provide a schedule (tentatively by December 2003) for completion of the rest of the Great Lakes cleanup.

Summary of Findings and Action: NRC Inspectors did not identify any violations or weaknesses in site security or radiological postings.

- No violations cited, regional letter issued
- Violation(s), clear NRC Form 591 issued
- Violation(s), regional letter issued
- Follow up on previous violations Not applicable

Inspector: _____

Date: 9-23-03

Approved: _____

Christopher G. Miller, Chief, Decommissioning Branch

Date: 10-1-03

I. **SUMMARY OF DECOMMISSIONING STATUS**

- A. Operational program ceased. (x) Y () N
- B. Final survey required (x) Y () N
- C. NRC confirmatory survey required. (x) Y () N
- D. NRC closeout inspection required. (x) Y () N
- E. Non-licensee actively remediating site. (x) Y () N
- F. Non-licensee completed site remediation. () Y (x) N

Description of Facility Status:

The site is maintained and secured on the Great Lakes Naval Base with fence, walls, and security guards. Contractor will begin the Phase III Project USN 2000-003, Modification I (remediation and final status survey) to release the north fence area and soil pile for unrestricted use (see attached Figure¹). Work is scheduled to be completed by December. Non-licensee will notify Region III and provide a definite schedule (tentatively by December 2003) for completion of the rest of the Great Lakes cleanup.

II. **INSPECTION OF KEY DECOMMISSIONING ACTIVITIES**

A. **ACTIVITIES INSPECTED BEFORE DISMANTLEMENT**

- 1. Licensed material used during operations has been removed from site. (x) Y () N
- 2. Site security and control of contaminated material being maintained in compliance with 1801 and 20.1802. (x) Y () N
- 3. Support systems and services (e.g., lighting, water supply) are in place (x) Y () N

B. **ACTIVITIES INSPECTED DURING DECONTAMINATION, DISMANTLEMENT, AND SITE REMEDIATION**

- 1. Site security and control of contaminated material being maintained in compliance with 10 CFR Part 20. (x) Y () N

(Note 1: Figure taken from Phase III Work Plan by Cabrera Services, Inc.)

III. INSPECTION OF STANDARD HEALTH AND SAFETY AREAS FROM THE OPERATIONAL INSPECTION PROGRAM

A. GENERAL OVERVIEW

1. Describe the non-licensee's decommissioning organizational structure:

The site cleanup is project managed for the Navy by: Ms. Pat Hayworth, Radiological Affairs Support Organization, NAVSEADET RASO, NWS PO Drawer 260 Yorktown, VA 23691-0260

At the base level, the site is managed by: Mark R. Schultz, Head, Environmental Department, ACOS Installation & Environment, Environmental Department, Code N45, 201 Decatur Avenue, Great Lakes, IL 60088-5600

The contractor is Cabrera Services, 2216 Troy Road, Suite 282, Edwardsville, IL 62025 hired by the U.S. Army Joint Munitions Command (POC: Michael Styvaert), Rock Island, IL who is responsible for cleanup and waste disposal.

B. FACILITIES

1. Describe, from field observation, the identified facilities and outdoor areas to be decommissioned: Residual contamination to be remediated are along the north fence line, in locations surrounding tanks H, L, and K, and in locations between tanks H, L, and K (see attached Figure*). A small area in a parking lot and picnic area are cordoned off and designated for cleanup.
2. All essential systems and services (e.g., electrical power, water supply, communications systems) are in place and functional for the planned decommissioning activities (x) Y () N

C. EQUIPMENT AND INSTRUMENTATION

1. Survey instruments are applicable to contaminants of interest. () Y () N
2. Use of survey instruments appropriate for site. () Y () N

Basis for Findings: THIS SECTION NOT EVALUATED DURING THIS INSPECTION.

D. MATERIALS

1. Radioactive materials licensed during operations have been removed offsite. (x) Y () N
2. Security and control of licensed materials, including contaminated areas, is being maintained. (x) Y () N

Basis for Findings: NRC inspectors' toured the site and observed radiological postings and site security. The licensee is meeting all requirements under 10 CFR Part 20, Subpart J, Paragraph 1902, "Posting requirements", and Subpart I, "Storage and Control of Licensed Material".

E. TRAINING

1. Licensee has developed training program for new decommissioning activities (e.g., demolition of structures, excavation of soil); program is adequate. () Y () N
2. Training program being effectively implemented. () Y () N

Basis for Findings: THIS SECTION NOT EVALUATED DURING THIS INSPECTION.

F. AREA RADIATION SURVEYS AND CONTAMINATION CONTROL

1. Area surveys are being performed in areas being decommissioned () Y () N
2. Where active remediation (e.g., demolition of structures, excavation of soil) is being performed, radiation levels in unrestricted areas do not exceed 2 mrem in any one hour. () Y () N

Basis for findings: THIS SECTION NOT EVALUATED DURING THIS INSPECTION.

G. RADIATION PROTECTION

1. Site security and control of contaminated material are in compliance with 10 CFR 20.1801 and 20.1802. (x) Y () N

Basis for Findings: BASED ON OBSERVATIONS

H. RADIOACTIVE WASTE MANAGEMENT/EFFLUENTS/ENVIRONMENTAL MONITORING

1. Offsite disposal of decommissioning wastes conforms to free release criteria and disposal site requirements. () Y () N
2. All new effluent releases conform to DP and applicable regulations. () Y () N
3. The licensee's environmental monitoring program is being implemented in conformance with the Dand all applicable limits are being met. () Y () N
4. Temporary storage/staging areas for radioactive wastes from building demolition, equipment dismantlement, soil excavation, etc., are adequately posted and protected. () Y () N

Basis for Findings: THIS SECTION NOT EVALUATED DURING THIS INSPECTION.

I. RECORD KEEPING FOR DECOMMISSIONING

1. Copies of the licensee's decommissioning cost estimates and funding methods are on file. () Y () N
2. Licensee has adequate records for decommissioning activities performed (e.g., for decontamination and dismantlement of structures; decontamination and remediation of soil, sediment, surface waters, groundwater; surveys of remediated facilities). () Y () N
3. Licensee's financial assurance conforms with the financial assurance requirements of NRC-approved possession limits and NRC regulations. () Y () N

Basis for Findings: THIS SECTION NOT EVALUATED DURING THIS INSPECTION.

J. TRANSPORTATION

1. Describe the licensee's program to package and ship decommissioning waste materials:
2. Licensee's program meets all applicable 10 CFR and 49 CFR requirements for marking labeling, placarding, and shipping paper requirements for radioactive waste shipments. () Y () N

Basis for Findings: THIS SECTION NOT EVALUATED DURING THIS INSPECTION.

K. POSTING AND LABELING

1. All contaminated areas, waste processing areas, and waste handling areas are posted in conformance with regulations. (x) Y () N

Basis for Findings: BASED ON OBSERVATIONS.

L. OCCUPATIONAL HEALTH AND SAFETY

1. Describe the occupational health and safety observations made at the licensee's facilities:

Basis for Findings: THIS SECTION NOT EVALUATED DURING THIS INSPECTION.

IV. **VIOLATIONS, NON-CITED VIOLATIONS, FOLLOWUP ITEMS, AND OTHER ISSUES**

Briefly state (1) the requirements and (2) how and when the licensee violated the requirement. For non-cited violations, indicate why the violation was not cited. Briefly describe follow-up items and other issues.

NONE

GREAT LAKES
Lic: SMC-01207, SUC-01332
DOC: 040-08306

Report: 04008306/2003-001

9-15-03
1605 hrs

Attendees:

Gene Bonano

NRC

Patricia Haworth

RASC

MARK SCHULTZ

NAVY-GREAT LAKES

MATTHEW SLACK

RASO

Dave Watters

Cabrera

Bill Naughton

Cabrera

