



UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION I
475 ALLENDALE ROAD
KING OF PRUSSIA, PENNSYLVANIA 19406-1415

April 6, 2006

Docket No. 03003754

License No. 06-00217-06

John F. Conant
Senior Project Manager
ABB Prospects, Inc.
CE Windsor Site
2000 Day Hill Road
Windsor, CT 06095-0500

SUBJECT: INSPECTION 03003754/2005001, ABB PROSPECTS, INC., CE WINDSOR SITE, WINDSOR, CONNECTICUT

Dear Mr. Conant:

On March 7, 2006, the NRC completed an announced safety inspection at the ABB Prospects, Inc., CE Windsor Site, which began on June 30, 2005. On September 20, 2005, Ms. Laurie Kauffman of this office conducted a safety inspection at the above address of activities authorized by the above listed NRC license. In addition, Ms. Kauffman conducted in-office inspections on October 19 and November 28, 2005, and on February 22, 2006, following receipt of independent sample results received on February 3, 2006. The findings of the inspection were discussed with you and members of your organization during a telephone conversation on March 7, 2006. The enclosed report presents the results of this inspection.

The inspection was an examination of your licensed activities as they related to the safe storage, packaging, and transportation of radioactive material, the radiological control program and recent decommissioning and remediation activities related to former discharge lines that contained radioactive wastes or received inputs from potentially contaminated industrial discharge lines. Regarding the former radiological waste line that was located under the former Building Complexes 5 and 17, NRC-selected samples of soil were analyzed by the NRC's contract radioanalytical laboratory, Oak Ridge Institute for Science and Education (ORISE). The inspection consisted of observations by the inspector, interviews with personnel, and a selected examination of representative records.

Within the scope of this inspection, no violations were identified. We determined that you maintained an effective program for decommissioning the site. The enclosed ORISE report presents the results of the above mentioned samples from the radiological waste line.

Current NRC regulations are included on the NRC's website at www.nrc.gov; select **Nuclear Materials; Medical, Industrial, and Academic Uses of Nuclear Material**; then **Toolkit Index Page**. The current NRC Enforcement Policy is included on the NRC's website at www.nrc.gov; select **What We Do, Enforcement**, then **Enforcement Policy**. Or you may obtain these documents by contacting the Government Printing Office (GPO) toll-free at 1-888-293-6498. The GPO is open from 7:00 a.m. to 9:00 p.m. EST, Monday through Friday (except Federal holidays).

J. Conant
ABB Prospects, Inc.

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No reply to this letter is required. Your cooperation with us is appreciated.

Sincerely,

Original signed by Marie Miller

Marie Miller, Chief
Decommissioning Branch
Division of Nuclear Materials Safety

Enclosures:

1. NRC Inspection Report No. 03003754/2005001
2. Report for Analysis of Samples from ABB Prospects, Windsor, Connecticut [Inspection Report No. 030-03754/2005-001] [RFTA No. 06-001] [ADAMS Accession Number ML060380109]

cc:

Robert B Clark, Radiation Safety Officer
Robert C Woodard, TLG Services, Inc.
Edward Wilds, Ph.D., Director, Director, Radiation Division, CT DEP
State of Connecticut

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SISP Review Complete: LKauffman

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U.S. NUCLEAR REGULATORY COMMISSION
REGION I

INSPECTION REPORT

Inspection No. 03003754/2005001
Docket No. 03003754
License No. 06-00217-06
Licensee: ABB Prospects, Inc.
Location: 2000 Day Hill Road
Windsor, CT 06095
Inspection Dates: September 20, 2005
October 19, 2005
November 28, 2005
February 22, 2006
Inspector: Laurie A. Kauffman, Health Physicist
Decommissioning Branch
Approved By: Marie Miller, Chief
Decommissioning Branch
Division of Nuclear Materials Safety

REPORT DETAILS

ABB Prospects, Inc., continued to conduct demolition and decommissioning activities. Building complexes 2, 5 and 17 have been decontaminated, demolished, and removed from the site. The radiological waste line that was located under the former Building Complexes 5 and 17 has been excavated and disposed as radioactive waste. The soil under the radiological waste line was surveyed, sampled, and analyzed for radioactivity and the results were below the approved site-specific soil Derived Concentration Guideline Levels (DCGLs). Final decommissioning under the Commercial Decontamination and Decommissioning Program is expected to be completed by December 2007.

Inspection Scope (Inspection Procedure 87104)

The purpose of the inspection was to verify the licensee's controls for the safe storage, packaging, and transportation of radioactive material, to evaluate the status of the radiological control program and decommissioning activities, and to verify whether the licensee was conducting decommissioning activities in accordance with the Decommissioning Plan (DP), dated October 2003.

The inspector reviewed procedures and records for storage, packaging, disposal and transportation of radioactive waste. The inspector conducted a site tour and observed radiation worker practices and radiological postings and boundaries. The inspector reviewed selected radiological survey records for soil samples collected from the former radiological waste line, located under the former Building Complexes 5 and 17. The inspector also reviewed calibration and source check results for selected survey instrumentation.

Observations and Findings

No significant findings were identified.

The inspector assessed the licensee's Radioactive Waste and Transportation Program. Selected radioactive waste shipment records included completed copies of Waste Manifest Shipping papers, Emergency Response Information, Survey Record Forms, USDOT Classification Summary, and other documentation, such as the radioactive material inventory logbooks, shipment inspections plans, and truck inspection records. The licensee met the transportation requirements for shipments reviewed.

The radiation workers were knowledgeable and familiar with the radiological survey procedures to effectively complete assigned tasks. The calibration and source check results were within acceptance criteria. The inspector noted that the licensee was utilizing appropriate survey instrumentation. The radiological postings and boundaries were appropriate.

The inspector reviewed selected radiological survey records and analytical soil sample results from the former radiological waste line that had been excavated and disposed as radiological waste. In addition, the inspector selected eleven soil samples from the excavated areas to be independently analyzed by the NRC's contractor, Oak Ridge Institute for Science and Education

(ORISE). During in-office inspections on October 19, 2005 and November 28, 2005, the inspector reviewed the licensee's survey reports and analytical soil results for this area. The inspector selected three of the licensee's soil samples to be analyzed by ORISE in addition to the original eleven for a total of fourteen samples. During an in-office inspection on February 22, 2006, the inspector noted that the licensee's analytical results were below the site-specific soil DCGLs. The licensee's DCGLs are listed in the licensee's report, "Derivation of the Site-Specific Soil DCGLs", dated September 2003.

The results of the ORISE analysis are contained in the ORISE Report, "Report for Analysis of Samples from ABB Prospects, Windsor, Connecticut [Inspection Report No. 030-03754/2005-001] [RFTA No. 06-001]", dated January 31, 2006, which is enclosed. [ADAMS Accession Number ML060380109]. The NRC evaluated these results on February 22, 2006, and determined that the soil samples were also below the licensee's soil DCGLs. Also, generally there was agreement between the licensee and NRC results.

Conclusions

The licensee maintained and implemented adequate controls for the safe storage, packaging, and transportation of radioactive material. The licensee maintained and implemented an effective radiological control program. The licensee conducted decommissioning activities in accordance with the DP requirements. The soil sample analytical results were below the DCGLs. The analytical results of samples from the trenches of the former radiological waste line also indicated general agreement with the licensee's characterization of the remaining residual radioactive contamination. Based on the results, there was no significant contribution to onsite and offsite doses.

Exit Meeting Summary

The inspector presented the inspection results to Mr. J. Conant and other members of the licensee's staff at the conclusion of the onsite inspection on September 20, 2005 and presented a summary of the entire inspection period on March 7, 2006. Licensee representatives acknowledged the inspection findings. Although proprietary items were reviewed during the inspection, no proprietary information is presented in this report.

PARTIAL LIST OF PERSONS CONTACTED

Licensee

R. Clark, Radiation Safety Officer
J. Conant, Senior Project Manager
R. Woodard, TLG Services, Inc.