

NUCLEAR REGULATORY COMMISSION

DOCKET NO. 030-17584

**NOTICE OF AVAILABILITY OF ENVIRONMENTAL ASSESSMENT AND FINDING OF NO
SIGNIFICANT IMPACT FOR LICENSE AMENDMENT TO BYPRODUCT MATERIALS
LICENSE NO. 01-02861-05, FOR TERMINATION OF THE LICENSE AND UNRESTRICTED
RELEASE OF THE DEPARTMENT OF THE ARMY'S CHEMICAL SCHOOL FACILITY IN
FORT MCCLELLAN, ALABAMA**

AGENCY: Nuclear Regulatory Commission.

ACTION: Issuance of Environmental Assessment and Finding of No Significant Impact for License Amendment.

FOR FURTHER INFORMATION CONTACT: Orysia Masnyk Bailey, Health Physicist, Materials Security & Industrial Branch, Division of Nuclear Materials Safety, Region I, 475 Allendale Road, King of Prussia, Pennsylvania, 19401; phone number (864) 427-1032; fax number (610) 680-3497; or by email: omm@nrc.gov.

SUPPLEMENTARY INFORMATION:

I. Introduction

The U.S. Nuclear Regulatory Commission (NRC) is considering terminating Byproduct Materials License No. 01-02861-05. This license is held by the Department of the Army (the Licensee), for remaining residual ground contamination at a 1950s era radioactive materials burial ground, located within the LaGarde Park (the Site) in Anniston, Alabama, adjacent to Fort McCellan. Termination of the license would authorize release of the site for unrestricted use.

The Army requested this action in a letter dated April 26, 2005. The NRC has prepared an Environmental Assessment (EA) in support of this proposed action in accordance with the requirements of Title 10, Code of Federal Regulations (CFR), Part 51 (10 CFR Part 51). Based on the EA, the NRC has concluded that a Finding of No Significant Impact (FONSI) is appropriate with respect to the proposed action. The license will be terminated following the publication of this FONSI and EA in the Federal Register.

II. Environmental Assessment

Identification of Proposed Action

The proposed action would approve the Licensee's April 26, 2005, request, resulting in release of the Site for unrestricted use and the termination of its NRC materials license. The U.S. Army Chemical School was located at Fort McClellan from 1951-1973 and 1979-1999. Several Byproduct Materials Licenses were issued and terminated over the years which authorized the use of byproduct material by the Army Chemical School at Fort McClellan. License No. 01-02861-05 was issued in 1979, pursuant to 10 CFR Part 30, and has been amended periodically since that time. This license initially was a license of broad scope, but now is limited to authorizing the possession of unsealed byproduct material in contaminated soil at the Site. Over the past 10 years, portions of the Army's Chemical School at Fort McClellan have been incrementally released for unrestricted use as remediation activities and radiological surveys have allowed in support of the Base Closure and Relocation (BRAC) process Fort McClellan is undergoing. As buildings and outdoor areas were released they were turned over to the State of Alabama. The Site now under consideration for release is on property that was deeded to the city of Anniston from the Army in 1974, and has been used as a recreational park.

A flyover survey of Fort McClellan was completed in October 2001 and the Site was found to contain a "hot spot". Cesium 137 contamination on the east side of the Site was identified and was determined to be from training activities at the former Army Chemical School. The contaminated area (adjacent to the Fort McClellan perimeter fence) was then fenced. This area is located in a wooded section of the park containing walking and biking trails. Because the property no longer belonged to the Army, the U.S. Army Corps of Engineers (USACE) assumed responsibility for site remediation under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA). Since the contamination found at the site was associated with the Army's use of the property during the 1950s, the property was found to be eligible for action under the Defense Environmental Restoration Program (DERP). This program authorizes the Secretary of Defense to undertake remediation action at formerly used defense sites (FUDS) related to contamination associated with past Department of Defense (DOD) use. USACE is DOD's delegated execution agent for DERP-FUDS response actions. The permit waiver provision of CERCLA 121(e) thus applies to the Site, and USACE therefore was not required to submit a decommissioning plan to the NRC prior to initiating remediation activities in September 2003.

Need for the Proposed Action

The Licensee has ceased conducting licensed activities at the site, and seeks the unrestricted use of the site and the termination of its NRC materials license.

Environmental Impacts of the Proposed Action

The historical review of licensed activities conducted at the site shows that such activities involved use of the following radionuclides with half-lives greater than 120 days: cobalt-60 and

cesium-137. Prior to performing the final status survey, USACE contracted to have 244 tons of contaminated materials and dirt removed from the site from September 2003 through March 2005.

USACE conducted a final status survey of the Site in August 2005 and submitted its draft data (later submitted unchanged in final form in June 2006) showing that the Site meets the criteria in Subpart E of 10 CFR Part 20 for unrestricted release and permits license termination. USACE demonstrated compliance with the radiological criteria for unrestricted release specified in 10 CFR 20.1402 by using the screening approach described in NUREG-1757, "Consolidated NMSS Decommissioning Guidance," Volume 2. USACE used the radionuclide-specific derived concentration guideline levels (DCGLs), developed there by the NRC. These DCGLs define the maximum amount of residual radioactivity on building surfaces, equipment, and materials, and in soils, that will satisfy the NRC requirements in Subpart E of 10 CFR Part 20 for unrestricted release. USACE's final status survey results were below these DCGLs and are in compliance with the As Low As Reasonably Achievable (ALARA) requirement of 10 CFR 20.1402. USACE also considered the dose contribution from previous site releases. The NRC concludes that USACE's final status survey results are acceptable. NRC staff conducted a confirmatory survey on September 27, 2005. Results were comparable to those observed by USACE and none of the confirmatory sample results exceeded the DCGLs.

Based on its review, the staff has determined that the affected environment and any environmental impacts associated with the proposed action are bounded by the impacts evaluated by the "Generic Environmental Impact Statement in Support of Rulemaking on Radiological Criteria for License Termination of NRC-Licensed Nuclear Facilities" (NUREG-1496) Volumes 1-3 (ML042310492, ML042320379, and ML042330385). Accordingly, there were no significant environmental impacts from the use of radioactive material at the site.

The NRC staff reviewed the docket file records and the final status survey report to identify any non-radiological hazards that may have impacted the environment surrounding the site. No such hazards or impacts to the environment were identified. The NRC has found no other radiological or non-radiological activities in the area that could result in cumulative environmental impacts.

The NRC staff finds that the proposed release of the site for unrestricted use and the termination of the NRC materials license is in compliance with 10 CFR 20.1402 including the impact of residual radioactivity at previously-released site locations of use. Based on its review, the staff considered the impact of the residual radioactivity at the Site and concluded that the proposed action will not have a significant effect on the quality of the human environment.

Environmental Impacts of the Alternatives to the Proposed Action

Due to the largely administrative nature of the proposed action, its environmental impacts are small. Therefore, the only alternative the staff considered is the no-action alternative, under which the staff would leave things as they are by denying the termination request. This no-action alternative is not feasible because it conflicts with 10 CFR 30.36(d), requiring that decommissioning of byproduct material facilities be completed and approved by the NRC after licensed activities cease. The NRC's analysis of the USACE's final status survey data confirmed that the Site meets the requirements of 10 CFR 20.1402 for unrestricted release and for license termination. Additionally, this denial of the application would result in no change in current environmental impacts. The environmental impacts of the proposed action and the no-action alternative are therefore similar, and the no-action alternative is accordingly not further considered.

Conclusion

The NRC staff has concluded that the proposed action is consistent with the NRC's unrestricted release criteria specified in 10 CFR 20.1402. Because the proposed action will not significantly impact the quality of the human environment, the NRC staff concludes that the proposed action is the preferred alternative.

Agencies and Persons Consulted

NRC provided a draft of this Environmental Assessment to the State of Alabama, Department of Radiation Control for review on October 31, 2006. On November 11, 2006, the State of Alabama Department of Radiation Control responded by email. The State agreed with the conclusions of the EA, and otherwise had no substantive comments.

The NRC staff has determined that the proposed action is of a procedural nature, and will not affect listed species or critical habitat. Therefore, no further consultation is required under Section 7 of the Endangered Species Act. The NRC staff has also determined that the proposed action is not the type of activity that has the potential to cause effects on historic properties. Therefore, no further consultation is required under Section 106 of the National Historic Preservation Act.

III. Finding of No Significant Impact

The NRC staff has prepared this EA in support of the proposed action. On the basis of this EA, the NRC finds that there are no significant environmental impacts from the proposed action, and that preparation of an environmental impact statement is not warranted. Accordingly, the NRC has determined that a Finding of No Significant Impact is appropriate.

IV. Further Information

Documents related to this action, including the application for license amendment and supporting documentation, are available electronically at the NRC's Electronic Reading Room at <http://www.nrc.gov/reading-rm/adams.html>. From this site, you can access the NRC's Agencywide Document Access and Management System (ADAMS), which provides text and image files of NRC's public documents. The documents related to this action are listed below, along with their ADAMS accession numbers.

1. NUREG-1757, "Consolidated NMSS Decommissioning Guidance";
2. Title 10 Code of Federal Regulations, Part 20, Subpart E, "Radiological Criteria for License Termination";
3. Title 10, Code of Federal Regulations, Part 51, "Environmental Protection Regulations for Domestic Licensing and Related Regulatory Functions";
4. NUREG-1496, "Generic Environmental Impact Statement in Support of Rulemaking on Radiological Criteria for License Termination of NRC-Licensed Nuclear Facilities";
5. August 1, 2002 US Army Corps of Engineers (USACE) to NRC memorandum (ML031490516);
6. October 2002 "Airborne Radiological Survey - Main Post and Pelham Range, Walkover Radiological Survey at Rideout Field and Anomaly Surveys on Main Post and Pelham Range, Groundwater Investigation - Burial Mound at Rideout Field" (Package ML030100136);
7. June 2003 "Final Completion Report, Site Investigation at LaGarde Park, Anniston, Alabama" (ML052710179);
8. August 25, 2003 NRC Inspection Report No. 01-02861-05/03-01 (ML032380139);

9. October 13, 2003 , STEP, Inc. to USACE , “Removal Action at LaGrange Park, Phase II Memorandum” (ML052710136);
10. February 10, 2004, Shaw Group, Inc. response to NRC Inspection Report 01-02861-05/03-01 (ML042100101);
11. NRC letter dated June 24, 2004, acknowledging the receipt of the Army’s Airborne Survey Report (ML041770403);
12. May 2004 “Final Report for Removal Action at LaGarde Park” (TBS);
13. April 2005 “Final Remedial Investigation Report, Expanded Site Investigation at LaGarde Park, Anniston, Alabama” (ML061940256);
14. April 26, 2005, Department of the Army request for termination of Materials License No. 01-02861-05 (ML051430344);
15. August 2005 “Draft Final Remedial Action Report, Final Interim Removal Action at LaGarde Park, Anniston, Alabama” (ML052840081);
16. November 4 2005 “Final Remedial Action Report, Final Interim Removal Action at LaGarde Park, Anniston, Alabama” (ML061940267);
17. December 14, 2005 NRC Inspection Report 03017584/2005001 (ML053480096);
18. May 2006 “Proposed Plan for the LaGarde Park Site of the Former Fort McClellan Anniston, Alabama” (ML061940273); and
19. June 2006 “Final Decision Document for the LaGarde Park Site of the former Fort McClellan, Anniston, Alabama” (ML061940269).

If you do not have access to ADAMS, or if there are problems in accessing the documents located in ADAMS, contact the NRC Public Document Room (PDR) Reference staff at 1-800-397-4209, 301-415-4737, or by email to pdr@nrc.gov. These documents may also be viewed electronically on the public computers located at the NRC’s PDR, O 1 F21, One White

Flint North, 11555 Rockville Pike, Rockville, MD 20852. The PDR reproduction contractor will copy documents for a fee.

Dated at King of Prussia, Pennsylvania this 27th day of February.

FOR THE NUCLEAR REGULATORY COMMISSION

/RA/

Marie Miller, Chief
Materials Security & Industrial Branch
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Region I