

NOTICE OF INTENT TO ISSUE AN AGREED HAZARDOUS WASTE CORRECTIVE ACTION ORDER

The Tennessee Department of Environment and Conservation's (TDEC) Division of Solid Waste Management (DSWM) proposes to issue an order to the U.S. Department of Defense (DOD), Army, owner of the former Volunteer Army Ammunition Plant (VOAAP) EPA ID Number: TN6 21 002 0933, located in Chattanooga, Hamilton County, Tennessee. The order will include conditions for continuing corrective action of solid waste management units (SWMUs) and areas of concern (AOCs). These conditions apply to the entire site.

Currently, all corrective action oversight at VOAAP is being conducted by the EPA and the DSWM in accordance with an EPA-issued Administrative Order under Section 3008(h) of RCRA. On April 11, 2007, DSWM notified the Army that VOAAP was included on the 2020 GPRA Cleanup Baseline. As a result, DSWM and EPA have the responsibility of ensuring that corrective action be completed at VOAAP or, alternatively, a protective final remedy will be in place (i.e., remedy construction complete) by the end of 2020. Since Tennessee is authorized to implement corrective action, all parties have agreed to consolidate all ongoing corrective action under an enforceable document with DSWM as the lead agency.

The order identifies known SWMUs and AOCs for the entire VOAAP site. DOD is required to investigate any releases of hazardous waste or hazardous constituents pursuant to this agreed order and to take appropriate corrective action for any such releases. In addition to corrective action, under the conditions of this agreed order, DOD is also required to notify of imminent hazards; and as applicable, comply with the requirements developed under land disposal restrictions and organic air emission standards.

DSWM proposes to issue the order under the authority of the Tennessee Hazardous Waste Management Act of 1977, Tennessee Code Annotated, Section 68-212-101 et seq., and Tennessee Rule Chapter 1200-01-11, Hazardous Waste Management. A draft order has been prepared and is available for public review and comment. A Fact Sheet summarizing corrective action activities to date has also been prepared and is available for public review.

A copy of the draft order and the fact sheet is available for public inspection from 8:00 a.m. to 4:30 p.m., Monday through Friday, except legal holidays, at the TDEC Chattanooga Environmental Field Office; Public Access Area, Suite 550; State Office Building; 540 McCallie Avenue; Chattanooga, TN, 37402; (423-634-5745) or at DSWM's Central Office; 5th Floor, L & C Tower; 401 Church Street; Nashville, TN 37243-1535 (615-532-0780). These documents and other supporting information can be viewed at the Chattanooga-Hamilton Co. Bicentennial Library; 1001 Broad Street; Chattanooga, TN 37402-2652; (423-757-5310).

Any interested person wishing to request a public hearing, obtain further information or submit written comments on DSWM's proposal within the 45-day comment period, ending July 18, 2011, may contact: Mr. Roger Donovan; Division of Solid Waste Management;

TDEC; 5th Floor, L&C Tower; 401 Church St.; Nashville, Tennessee 37243-1535; (615-532-0864) or e-mail Roger.Donovan@tn.gov. **Comments must be received by 4:30 p.m. on July 19, 2011 to assure consideration.** A request for a hearing requires a significant degree of public interest, shall be in writing, including the contact information of the requestor, and shall state the nature of the issues to be raised at the hearing. After considering all public comments received, the DSWM Director will issue a final decision and a Response to Comments.

TDEC is committed to principles of equal opportunity, equal access and affirmative action. Contact the EEO/AA Coordinator at 1-888-867-7455 or the ADA Coordinator at 1-866-253-5827 for further information. Hearing impaired callers may use the Tennessee Relay Service (1-800-848-0298).

Persons who wish to be on DSWM's mailing list should request a Mailing List Request form by calling or writing: Public Participation Officer; Division of Solid Waste Management; TDEC; 5th Floor, L&C Tower; 401 Church St.; Nashville, TN 37243-1535; (615-532-0798) or e-mail Solid.Waste@tn.gov.

NOTICE ISSUED: June 3, 2011

FACT SHEET

INTENT TO REISSUE A HAZARDOUS WASTE MANAGEMENT CORRECTIVE ACTION PERMIT

Permittee: U.S. Department of Defense, Army

Facility Name: Former Volunteer Army Ammunition Plant (VOAAP)

Location: 8395 Hickory Valley Drive
Chattanooga, Tennessee

Installation ID Number: TN6 21 002 0933

Facility Owner: U.S. Department of Defense, Army

Facility Operator: Commander, Volunteer Army Ammunition Plant
Bonnie Oaks Drive
Chattanooga, Tennessee 37422-2607

Facility Contact: Scott Bolton
Commanders Representative
Volunteer Army Ammunition Plant
P. O. Box 22607
Chattanooga, Tennessee 37422-2607
Phone: (423) 893-5121

Comment Period: Begins: June 3, 2011
Ends: July 19, 2011

FACILITY DESCRIPTION

The former VOAAP was a U.S. Army government-owned and contractor-operated facility in Chattanooga, Tennessee, used for the production and storage of trinitrotoluene (TNT). The facility is located approximately nine miles northeast of downtown Chattanooga, Tennessee, in eastern Hamilton County. Residential areas surround the facility. VOAAP was built between 1939 and 1941 to support the World War II effort, and operated subsequently during the Korean and Vietnam conflicts and on a limited basis through 1977. At present, no production or storage of TNT takes place at the facility. In addition to TNT production and storage, from 1962 to 1986 the western portion of the installation was leased to CF Industries, Inc. (CFI) for the commercial production of ammonium nitrate, fertilizer (urea), and related products. Production of these commercial products at the CFI facility ended in 1982. From 1982 through 1985 all of the CFI production facilities were dismantled for salvage. The VOAAP facility was placed on standby status in 1977 when TNT production ceased. In 1986, unused portions of the facility outside of the current perimeter fence were sold to the private sector. In the mid to late 1990s, portions of the facility, particularly existing buildings and the railroad lines, were leased to nongovernment

and government entities. In 1998, VOAAP was declared excess government property, triggering the availability and sale/transfer of portions of the facility. In 2005, all remaining VOAAP property was sold or otherwise transferred to the City of Chattanooga and Hamilton County, portions of which were incorporated into the Enterprise South industrial development area, while other portions requiring environmental remediation continued under cleanup actions conducted by the Army

PURPOSE

This fact sheet is prepared pursuant to Tennessee Rule 1200-01-11-.07(7)d for the agreed order developed by the Tennessee Department of Environment and Conservation's (TDEC) Division of Solid Waste Management (DSWM) and the U. S. Army (VOAAP). DSWM is requiring VOAAP to public notice the order. The purpose of this process is to afford any interested persons the opportunity to evaluate the ability of the permittee to apply the applicable hazardous waste management requirements. The proposal is for the order to be under the authority of the Tennessee Hazardous Waste Management Act of 1977, as amended, Tennessee Code Annotated, Section 68-212-101, et. seq., and Tennessee Rule Chapter 1200-01-11, Hazardous Waste Management. The agreed order is prepared in accordance with the provisions of Tennessee Rule 1200-01-11-.07.

CORRECTIVE ACTION UNDER THE PREVIOUS AND PROPOSED ORDERS

Initially all corrective action at VOAAP was being performed by the Environmental Protection Agency (EPA) and the TDEC Division of Remediation in accordance with an EPA-issued Administrative Order under Section 3008(h) of the Resource Conservation and Recovery Act (RCRA). On April 11, 2007, DSWM notified the Army that VOAAP was included on the 2020 Government Performance and Results Act (GPRA) Cleanup Baseline. As a result, DSWM and EPA have the responsibility of ensuring that corrective action be completed at VOAAP or at least a protective final remedy will be in place (i.e., remedy construction complete) by the end of year 2020. Since Tennessee is authorized to implement corrective action, all parties have agreed to consolidate all ongoing corrective action under an enforceable document with DSWM as the lead agency.

There are 36 Solid Waste Management Units (SWMUs) and Areas of Concern (AOCs) identified at VOAAP. Twenty-one units of the 36 were determined to be no further action, either through confirmatory sampling, RCRA facility investigation (RFI) or interim measures. Of the remaining SWMUs and AOCs, 1 requires an RFI, 5 require interim measures, 8 require a corrective measures study (CMS), and one requires implementing a remedy.

The order requires VOAAP to implement the selected corrective action remedies at AOC 6 (South) which is groundwater in the southern groundwater basin that requires land use controls, regular inspections and groundwater sampling.

The order also contains the conditions for the continued corrective action of any newly discovered SWMUs and AOCs. VOAAP shall be required to investigate any releases of hazardous waste or hazardous constituents pursuant to this order at the facility and to take

appropriate corrective action for any such releases. The order also requires notification of imminent hazards, and when applicable, compliance with the requirements developed under the land disposal restrictions and organic air emission standards. Attached to this Fact Sheet is the SWMU and AOC Status Table.

COMMENTS

Copies of VOAAP's order are available for public inspection during normal operating hours at the Chattanooga-Hamilton County Bicentennial Library main branch, on the 2nd Floor, History Section, at 1001 Broad Street in downtown Chattanooga. These materials are also available for public inspection during normal business hours, 8:00 a.m. to 4:30 p.m., Monday through Friday, except legal holidays, at the TDEC Chattanooga Environmental Field Office, Public Access Area, Suite 550 State Office Building, 540 McCallie Avenue, Chattanooga, TN, 37402, telephone 423-634-5745; and at the DSWM's Nashville Central Office located on the 5th Floor, L & C Tower, 401 Church Street, Nashville, Tennessee 37243-1535 (telephone 615-532-0780).

All persons, including the applicant, who believe that the decision to issue this order is inappropriate must raise all ascertainable issues and submit all available arguments and factual grounds supporting their position by sending comments in writing to Mr. Roger Donovan; Corrective Action Section; Division of Solid Waste Management; Tennessee Department of Environment and Conservation; 5th Floor, L & C Tower; 401 Church Street; Nashville, Tennessee 37243-1535; telephone 615-532-0864 or e-mail to Roger.Donovan@tn.gov. To assure consideration, **comments must be received by July 19, 2011.**

At the end of the comment period, a final decision on the order will be made, notice will then be given to the applicant and each person who has submitted written comments or requested notice of the final decision. The final order shall become effective at the conclusion of the public comment period and upon signing by the Director of DSWM.

Persons who wish to be on DSWM's mailing list should request a Mailing List Request form or by calling or writing: Public Participation Officer; Division of Solid Waste Management; Tennessee Department of Environment and Conservation; 5th Floor, L & C Tower; 401 Church Street; Nashville, Tennessee 37243-1535; telephone 615-532-0798 or e-mail Solid.Waste@tn.gov.

SWMU/ AOC #	SWMU/AOC Name	Status
SWMU 1	Industrial Landfill Area	CMS
SWMU 2	World War II Landfill Area	CMS
SWMU 3a	Drums from Vanadium Pentoxide Burial Ground	NFA
SWMU 3b	Landfill at Vanadium Pentoxide Burial Ground	NFA
SWMU 4	World War II Burning Ground	NFA
SWMU 5	Redwater Ash Landfill	NFA
SWMU 6	New Acid Area	NFA
SWMU 7	CFI Lease Area	CMS
SWMU 8	Redwater Treatment Plant Area	CMS
SWMU 9	New Landfill Burning Ground	NFA
SWMU 10	Warehouse Area, including pesticide Storage Mixing Area	NFA
SWMU 11	Salvage Yard	NFA
SWMU 12	Toluene Storage and Distribution System	RFI
AOC 1	East Acid Area	CMS
AOC 2	Pistol Ranges	NFA
AOC 3a	Old TNT Area, Batch Lines 1-6	IM
AOC 3b	Old TNT Area, Batch Lines 7-10	IM
AOC 3c	Old TNT Area, Batch Lines 11-12	IM
AOC 3d	Old TNT Area, Batch Lines 13-16	IM
AOC 4	New TNT Area (over Batch Lines 7-10)	IM
AOC 5	Surface Water Investigation Area	CMS
AOC 6 (North)	Site-Wide Groundwater Investigation (North-side)	CMS
AOC 6 (South)	Site-Wide Groundwater Investigation (South-Side)	Implementation of Remedy
AOC 7	Old Explosives Magazine Area& Rail Car Loading Area	NFA
AOC 8	Environmental Labs	NFA
AOC 9	Drum Storage Area	NFA
AOC 10	Commander's Garden	NFA
AOC 10b	Figure 8 Area	NFA
AOC 11	Redwater Ash Handling Area	NFA
AOC 12	Pellet Disposal Area	NFA
AOC 14	Miscellaneous Disposal Areas	CMS
AOC 15	Figure 8 Area	NFA
AOC 16a	Suspected Redwater Ash Disposal Pit 2	NFA
AOC 16b	Suspected Redwater Ash Disposal Area 3	NFA
AOC 17	New Explosives Magazine Storage Area	NFA
AOC 18	Old Gas Station Maintenance Shop	NFA

CMS – Corrective Measures Study
IM – Interim Measures

NFA – No Further Action
RFI – RCRA Facility Investigation