



RAVENNA ARSENAL INC.

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RAVENNA, OHIO 44266-9297

Telephone (216) 358-7111



Autovon 346-3210

February 23, 1990

THRU: Contracting Officer's Representative
Ravenna Army Ammunition Plant
8451 State Route 5
Ravenna, Ohio 44266-9297

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MAIL ROOM
COMMUNICATIONS SECTION

TO: Ohio Department of Commerce
Division of State Fire Marshal
Bureau of Underground Storage Tank Regulations
ATTN: Michelle Tarka, Site Coordinator
7510 East Main Street
P.O. Box 525
Reynoldsburg, Ohio 43068-3395

Subject: Site investigation report for leaking underground storage tanks.

Dear Ms. Tarka:

Pursuant to Rule 1303:7-7-36 of the Ohio Administrative Code, following is the Site Investigation Report for leaking underground storage tanks at the Ravenna Army Ammunition Plant (RVAAP).

Your office was notified that three underground storage tanks at RVAAP failed their tank tightness tests. Tank #11 contained #2 fuel oil; leakage indicated by the test was .353 gph. Tank #23 contained #2 fuel oil; leakage indicated by the test was .3005 gph. Tank #33 contained #2 fuel oil; leakage indicated by the test was .065 gph.

The tanks were drained immediately upon learning of the test results. Quantity of product released is unknown, however, it is believed to be minimal. Soils surrounding the tanks are generally a low permeability silty clay loam. No free product was observed in the surrounding soils.

R&R International Inc. has cleaned, removed and disposed of the tanks. Any visibly contaminated soils, or soils suspected to be contaminated based on PID screening, were excavated. R&R collected samples from the sidewalls and bottom of the excavated pits for Tanks #23 and #33. Bedrock was encountered during the excavation

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of Tank #11, and samples were taken from soils in two sidewalls and the excavation pit bottom. The two remaining sidewalls were excavated to bedrock, no samples were taken from these areas. Groundwater was not encountered in any of the excavations. Samples collected from the excavated areas were tested for benzene, ethyl benzene, toluene, and xylene (BTEX), total lead, and total petroleum hydrocarbons (TPH), using methods set forth in SW-846. Analytical results for TPH and BTEX have been received and are enclosed. The remaining results are expected to be received by February 26, 1990. These results will be immediately forwarded to your attention upon receipt.

Excavated soils were sampled to characterize them for disposal. These samples will be analyzed for TPH, E.P. Toxicity, percent solids and flash point using methods set forth in SW-846.

Groundwater is currently the exclusive source of water supply for RVAAP. The location of active groundwater production wells is shown in Attachment #1. None of these wells is located within 1,000 ft. of the leaking tanks. A description of soil characteristics and a map showing subsurface soil distribution on site is shown in Attachment #2. Local climatological conditions are shown in Attachment #3. Surrounding land use is residential; the closest residence to a leaking tank location on the installation is approximately 4,000 ft.

This installation's point of contact for this subject is Susan McCauslin, Environmental Specialist, (216)297-3220.

Sincerely,

Ravenna Arsenal, Inc.



H.R. Cooper
Plant Engineer

HRC:SM:ade:90002

cf: Commander
AMCCOM
AMSMC-ISE
Rock Island, IL 61299-6000

cc: N. Wulff
File