



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 5
77 WEST JACKSON BOULEVARD
CHICAGO, IL 60604-3590

AUG 27 1999

REPLY TO THE ATTENTION OF:

DW-8J

Mr. Phil Keith
Naval Surface Warfare Center
EPD, Code 095 B-3260
300 Highway 361
Crane, IN 47522-5001

Re: Comments on the Risk Management
Plan for ABG, ORR, & DR

Dear Mr. Keith:

The United States Environmental Protection Agency (U.S. EPA) has reviewed the Risk Management Plan for Ammunition Burning Ground (ABG), Old Rifle Range (ORR), and Demolition Range (DR) at the Naval Surface Warfare Center in Crane, Indiana dated July, 1999.

Attached you will find U.S. EPA's comments. Please revise the Risk Management Plan to address these comments.

If you have any questions regarding this matter, please contact me at (312) 886-7890.

Regards,



Peter Ramanauskas
Environmental Engineer
WMB; IL/IN/MI Section

Enclosure

Filename: Risk Management Plan NOD.wpd

cc: Core Team Members: Bill Gates, SOUTHDIV (w/ encls)
Tom Brent, NSWG (w/o encls)
Doug Johnson, CAAA (w/o encls)

Project Team Members: Mario Mangino, USEPA (w/ encls)

U.S. EPA COMMENTS
Risk Management Plan, July 1999
For ABG, ORR, & DR
Naval Surface Warfare Center
Crane, Indiana

Comment 1:

The second bullet under the "Manganese Emissions from Demolition Range" section refers to concentration reduction when receptor individuals are indoors. This would better be described as reduction in exposure to ambient air concentrations of emissions as the ambient air concentration does not change when a receptor is indoors.

Comment 2:

The first Risk Management Recommendation for the Ingestion of Ground Water by on-SWMU (ABG) Residents, Employees, and Visitors states that ground water underlying the ABG and Old Jeep Trail will not be used as a drinking water source. During a site visit in July, 1999, EPA was made aware of a well at the ABG that may be connected to a drinking water cooler. This well was installed by Mumma Drilling, Inc. in 1968. Based on the results of the Current Contamination Conditions Risk Assessment (CCCRA) and Crane's Risk Management Recommendations, the use of this well as a drinking water source should cease immediately.

This recommendation should also include mention that the ABG will not be used for residences or for raising domestic animals and, if transfer of property occurs, lease restrictions will be created to prevent use of ground water as drinking water for residences or the raising of domestic animals (as in the recommendations for the ORR ground water).

Comment 3:

In the second Risk Management Recommendation for the Ingestion of Ground Water by on-SWMU (ORR) Residents, Employees, and Visitors the last sentence can be removed or amended to state that the ground water will not be used for drinking water while under government control or if the property is transferred.

Comment 4:

Include mention of a Corrective Measures Study for the Ingestion of Ground Water sections for the ORR and the DR.

Also, for the DR, include discussion of the Ground Water Monitoring Plan requirements.

Comment 5:

On Page 5, "Ambient Air Lead Concentrations (DR)", the third sentence should refer to lead instead of manganese.

Also, the second bullet should refer to exposure reductions instead of concentration reductions (see Comment 1).

Comment 6:

Attachment 1 is missing.