



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

REPLY TO THE ATTENTION OF:

February 22, 2006

DW-8J

Mr. Tom Brent  
Naval Surface Warfare Center  
Code PRCR4-TB B-3245  
300 Highway 361  
Crane, IN 47522-5001

Re: Letter of Approval  
Final RFI Report – January 2005  
SWMU #3 – Old Jeep Trail/Little  
Sulphur Creek

Dear Mr. Brent:

The United States Environmental Protection Agency (U.S. EPA) has reviewed the Navy's Response to Comments and revised Final RCRA Facility Investigation (RFI) Report for Solid Waste Management Unit (SWMU) #3 – Old Jeep Trail/Little Sulphur Creek (OJT/LSC) dated January 2005. The RFI evaluated human health and ecological risks present at SWMU #3. Soil, sediment, surface water, and groundwater samples were collected and analyzed for volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), dioxins/furans, pesticides, polychlorinated biphenyls (PCBs), metals, and explosives.

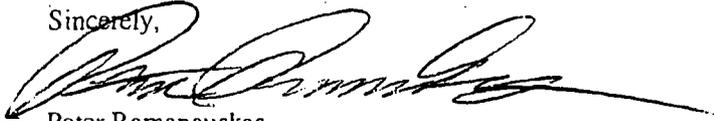
Dioxins/furans, VOCs, SVOCs, explosives, and metals were retained as Chemicals of Potential Concern (COPC) in soils. VOCs, explosives, metals, and nitrate were retained as COPCs in groundwater. Metals and explosives were retained as COPCs in sediment. VOCs, SVOCs, explosives, the herbicide pentachlorophenol, and metals were retained as COPCs in surface water.

The conclusions of the RFI identified unacceptable hypothetical future human health risks to occupational workers, child recreational users, and on-site residents based on ingestion of groundwater (trichloroethene, explosives), surface water (explosives), incidental ingestion and dermal contact with surface soils (explosives, lead). The ecological risk assessment identified potential adverse risk to benthic invertebrates and piscivorous receptors. Based on the results of food-chain modeling, additional provided lines of evidence, and uncertainties presented, the risks to ecological receptors on a population level are considered acceptable. However, at closure of the Ammunition Burning Ground (ABG), human health and ecological risks should be re-evaluated for future land uses in a risk-based closure plan for the ABG/OJT/LSC.

The RFI report is approved. The Navy will submit a Corrective Measures Proposal (CMP) in which a preferred remedial alternative for SWMU #3 is evaluated based on site-specific conditions. The preferred remedy will ensure risks to hypothetical future human receptors at SWMU #3 are properly managed.

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

Sincerely,



Peter Ramanauskas  
Environmental Scientist  
RCRA Corrective Action Section

CAEPAWork\PRAMANAUC\Case\ABGORRDROJTOJTABG RFI\OJTLSC RFI Report Approval.doc

cc: Core Team Members: Bill Gates, SOUTHDIV  
Doug Griffin, IDEM

Project Team Members: Mario Mangino, USEPA  
Dan Mazur, USEPA