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DEPARTMENT OF THE NAVY

NORTHERN DIVISION
NAVAL FACILITIES ENGINEERING COMMAND
BUILDING 77L, U.S. NAVAL BASE
PHILADELPHIA, PENNSYLVANIA 19112-5084

IN REPLY REFER TO

5090
Ser 1584/1823/WCS

12 MAR 1992

MAR 20 1992

Director, Waste Management Division
RCRA Permitting Branch (5HR-13)
U.S. Environmental Protection, Region V
Attn: Ms. Carol Witt-Smith (Indiana Section)
230 South Dearborn Street
Chicago, IL 60604

Re: Naval Surface Warfare Center, Crane, Indiana

Dear Ms. Witt-Smith:

Three (3) rounds of the proposed five rounds of ground water sampling have been completed at the Dye Burial Grounds, Demolition Area, Old Rifle Range, and Rockeye. Round 1 samples were collected in November 1990 and March 1991, Round 2 sampling was performed during the period of May-July 1991, and Round 3 samples were collected during November 1991. The enclosed information is a summary of the Round 1 and Round 2 results. The Round 3 sampling results are currently under preparation. In summary, several groups of compounds have not been detected in the 1st and 2nd rounds of sampling. The Navy proposes to eliminate the non-detected groups of compounds, per the table below, from Round 4.

Round 3 has been completed for the full scan of compounds and with the proposed reduced 4th round, the Navy believes sufficient data will exist for the characterization of the sites. As indicated above the sampling has occurred over a period of one year and any variations with time would be detected. For these reasons the Navy also proposes elimination of the fifth round of groundwater sampling at this time.

The ground water was analyzed per the work plans for Rounds 1 through Round 3. The following table summarizes completed work and the proposed parameters for future sampling:

Analyte/EPA SW-846 Method#	Rounds 1 - 3				Proposed Round 4			
	DBG	DEMO	ORR	ROCKEYE	DBG	DEMO	ORR	ROCKEYE
VOA/8240	X	X	X	X				
BNA/8270	X	X	X	X				

Analyte/EPA SW-846 Method#	Rounds 1 - 3				Proposed Round 4			
	DBG	DEMO	ORR	ROCKEYE	DBG	DEMO	ORR	ROCKEYE
Clor. Pest & PCBs/8080	X	X	X	X				
Phos. Pest/ 8140	X	X	X	X				
Herb/8150	X	X	X	X				
Explosives/ HPLC-8130	X	X	X	X			X	X
Metals/ 6010-Furnace	X	X	X	X	X	X	X	X
Cyanide/ 9012	X	X	X	X		X	X	X
Sulfides/ 9030	X	X	X	X		X	X	X

It should be noted that the proposed explosive sampling in the Rockeye area is only for the wells located in the northeast drainage way that have shown detectable levels of explosives in Rounds 1 and 2.

Considering that three full rounds of data will exist, we feel this is a sound scientific judgement as well as a good economic decision. If you have any questions or would like to discuss this matter please call me at 215-897-6432. We are currently scheduled to begin the fourth round of sampling during the week of 23 March and would like your response prior to that time.

Sincerely,



WILLIAM C. SCHROCK
Remedial Project Manager
By Direction of the Commanding Officer

Copy to: (w/o encl)
USAE-WES, Bill Murphy (GG-YH)
Crane Division, NAVSURFWARCENDIV, Tom Brent (095)