



UNITED STATES ENVIRONMENTAL PROTECTION
REGION IV
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NAS PENSACOLA
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MAR 11 1994

4WD-FFB

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

Commanding Officer
Attn: Mr. Bill Hill - Code 1851
Southern Division
NAVFACENGCOM
P.O. Box 190010
North Charleston, South Carolina 29419-9010

Subj: EPA Oversight of RI/FS Field Work for Operable Unit 10;
NAS Pensacola, Florida

Dear Mr. Hill:

In accordance with Section XV (Sampling and Data Document Availability) of the Federal Facilities Agreement (FFA), the Environmental Protection Agency (EPA) wishes to inform the Navy of its plans to conduct field oversight at Operable Unit (OU) 10: Industrial Wastewater Treatment Plant during the week of March 7, 1994. This oversight will facilitate EPA's efforts to ensure the quality of the Remedial Investigation performed for OU 10.

In order to accomplish our oversight goals, sampling activities will be performed in accordance with the attached study plan which was prepared by EPA's Environmental Services Division in Athens, Georgia. The Navy is welcome to accompany EPA and collect split samples during any of these field oversight activities.

Please contact me at (404) 347-3016 if you have questions regarding the above issues or the enclosed study plan.

Sincerely Yours,

Allison W. Drew
Remedial Project Manager
Department of Defense Remedial Section
Federal Facilities Branch

Enclosure

cc: Ron Joyner, NAS, Pensacola
Eric Nuzie, FDEP
Paul Stoddard, Ensaf/Allen & Hoshall

U. S. ENVIRONMENTAL PROTECTION AGENCY
REGION IV, ENVIRONMENTAL SERVICES DIVISION
ATHENS, GEORGIA 30605-2720

MAR 28 1994

MEMORANDUM

SUBJECT: Study Plan, OU 10 Surface Soil Data Gaps and Monitoring
Well-Sampling Evaluation, Naval Air Station Pensacola,
Pensacola, Florida.
EPA ID. FL9 170 024 567
ESD Project No. 94-323

FROM: Fred Sloan
Hazardous Waste Section
Environmental Compliance Branch
Environmental Services Division *WRS for*

TO: Allison Drew, RPM
DOD Section
Federal Facilities Branch
Waste Management Division

THRU: William R. Bokey, Chief
Hazardous Waste Section
Environmental Compliance Branch
Environmental Services Division *W.R. Bokey*

The subject study plan is attached.

If you have any questions or comments, please call me at
(706) 546-3317.

Attachment

cc: Bokey/Cosgrove
Hartnett

SURFACE SOIL DATA GAPS AND
MONITORING WELL SAMPLING PROCEDURES EVALUATION
N.A.S. PENSACOLA
PENSACOLA, FLORIDA

INTRODUCTION

As part of the US-EPA oversight of the remedial investigations at N.A.S. Pensacola (OU10), ESD will conduct a sampling procedures evaluation of some of the RI monitoring wells, and address data gaps discovered in the surface soils sampling. The project leader will be Fred Sloan, USEPA, Region IV, ESD. The evaluation was requested by Bart Reedy, the RPM for this facility.

STUDY OBJECTIVE

The objectives of this study are to determine if the sampling methods used by the Navy contractor **may** be altered to reduce the impact of turbidity upon groundwater samples, and to re-collect some of the surface soil samples.

SITE HISTORY

Many of the samples collected from the wells on base have excessive turbidity. To date, all wells have been sampled using bailers. Also, during the RI many of the surface soil samples collected at OU 10 were taken from 0" to 24", which is too great an interval for Risk Assessment.

METHODOLOGY

It is ESDs proposal to purge the wells listed below using low-flow pumps such as peristaltic pumps or small 2" submersible pumps, followed by sampling with a peristaltic pump/vacuum jug. This will reduce turbulence in the well to a minimum, and not disturb or mobilize sediments in the well. This will keep the sediment load in the samples at a minimum, and yield a sample that is representative of the groundwater. If ESD is unable to obtain a sediment free sample using these techniques, it will be recommended that the wells be re-developed prior to the next sampling event, and that subsequent samples be collected using this method.

Five wells were chosen based upon high levels of heavy metals (generally lead or chromium). Wells are screened in either the upper surficial aquifer, and at the base of the surficial aquifer (intermediate wells). All of the proposed wells are located at OU 10. The proposed wells are:

13G07 33G15 33603 GM-66 33G02

Surface soil samples are to be heavily biased in areas of suspected soil contamination. Re-collection of fifteen soil samples are proposed. Soil sampling stations proposed are:

Swale	Domestic Sludge Beds	Industrial Sludge Beds	Recent Dredge Spoil	High Soil Gas
33S32	33S53	33S06	13S61	13S06
33S01	33S54	33S24	13867	
33S36	33S55		13S68	
33839			Sludge Pits (2)	

All samples will be analyzed for the TAL\TCL at DQO Level IV, in accordance with the Analytical Support Branch Laboratory Operations and Quality Control Manual, September, 1990. All sampling, sample handling, chain of custody, field QA\QC, etc, will be in accordance with the US-EPA, Region IV, Environmental Services Division, Environmental Compliance Branch Standard Operating Procedures and Quality Assurance Manual, (ECBSOPQAM), February 1, 1991.

INVESTIGATION DERIVED WASTE

Investigation derived waste (IDW) will be handled as follows: Sampling gloves, boxes, aluminum foil, plastic wrap, etc. will be placed in a dumpster either on site or at the ESD warehouse. Purge water will be placed in drums and left on site for ultimate disposal by the Navy. No other category of IDW is anticipated.