7 April 1987

U.S. Navy
Northern Division
Naval Facilities Engineering Command
Attention: Code 142/Kenneth Petrone
Building 77-L
U.S. Naval Base
Philadelphia, PA 19112-5094

RE: NAS Willow Grove
Confirmation Studies
Progress Report

Dear Ken:

The project kickoff meeting was held 10 March 1987. Minutes are enclosed. The project QA/QC plan and safety and health plan were completed 30 March. These were transmitted to your attention via overnight express on that date. A summary of project completion is attached.

Plans for April include initiation of the data review and preparation of site maps, and response to NAFAC questions/comments on the QA/QC and safety and health plans.

We trust this information is suitable to your needs. Please call if there are any questions.

Sincerely,

C. W. Houlik, Jr., Ph.D., P.G.
Director
Geotechnical Services

CWF/alc
Enclosures

Copy to: J. Mungin
NAV71A Project File
Notes of Conference; 10 March 1987

RE: NAS Willow Grove
Confirmation Studies
Kickoff Meeting

Convened: 13:00 hrs. at Building 78, NAS Willow Grove
Attended by: Goline D. "Van" Vanderhoff, AFR
William D. Albright, AFR
Joseph Mungin, NAS/WG
George J. Lopez, NAFAC
Kenneth Petrone, NAFAC
Chuck Houlik, EA

Discussions were held regarding preparation of QA/QC and safety and health plans and the Plan of Action and Milestones (POA). Salient points include:

QA/QC

QA/QC plans will be reviewed by Oak Ridge Lab under contract with the Navy. Protocols for corrective actions will be an important aspect.

Drilling and well installation procedures shall conform with specifications developed by USATHAMA.

Sampling and sample handling procedures should be in conformance with EPA CERCLA requirements.

Laboratory analyses should also address EPA requirements. Full suite samples will probably be analyzed for the Hazardous Substance List parameters as opposed to the Priority Pollutant parameter list. However, this is to be confirmed later.
Safety and Health

EA's corporate plan may not presently, fully address the new OSHA standard. Applicable portions of the new standard will be addressed prior to initiating Step II field work.

POA

Early, and continued attention shall be paid to local regulations and local, state and Federal permitting requirements to ensure that data gathering meets regulatory/permitting needs through to remedial measures.

Sampling plans shall be justified in terms of rationale and anticipated results and include an overall summary table of sample type, location, matrix and parameter list.

Staging of field efforts for cost-effectiveness (e.g., locate wells after interpreting geophysical data) is encouraged.

Site specific safety and health information (e.g., work zones) is addressed in the POA rather than the corporate plan.

The Air Force Reserve will proceed independently with APR sites 1, 2 and 3. Initially, it was decided that EA would include sites 1, 2 and 3 in the Step II POA for purposes of providing a second opinion.
A tour of AFR sites 1-7 and NAS sites 1-9 was conducted. In addition, the Navy Fuel Farm (location of a recently discovered potential problem) was visited.

Addendum to Notes of Conference; 10 March 1987

During a telephone conversation on 17 March 1987, Ken Petrone informed Chuck Houlik that AFR sites 1, 2 and 3 have been deleted from EA's scope of work and the Navy Fuel Farm has been added.
## PROJECT COMPLETION SUMMARY
### CONFIRMATION STUDY STEP I
#### NAS WILLOW GROVE, PA

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