

MEETING MINUTES
12 OCTOBER 1989
TECHNICAL REVIEW COMMITTEE MEETING

Installation Restoration Program Studies
U.S. Naval Air Station
Willow Grove, PA

Convened: 10:00 a.m., Building # 1, Conference Room
NAS Willow Grove, PA

Distribution/Attendees: See Attachment "A" .

1. LCDR Mike Zook opened the meeting and requested comments on the minutes of the 10 August 1989 TRC meeting. There were no comments or questions on the minutes.

2. Jim Shafer explained that the purpose of the meeting was to review the results of analysis of the first round of samples of ground water, surface water and sediment, and the final report for the Navy Fuel Farm. Copies of the final Navy Fuel Farm Report were then distributed to the TRC members. Summary tables which had not been prepared in time for distribution of the meeting are attached to these minutes.

3. Chuck Houlik summarized the results of the analytical data. Some questions were raised by the TRC as to the origin and nature of PAH which were detected at several of the sites. In discussion, Chuck Houlik and Drew Lausch explained the following. Polycyclic aromatic hydrocarbons (PAH) are a class of organic compounds which are ubiquitous in the environment. There are hundreds of these compounds and about 15 PAH compounds on the EPA's Target Compound List. Several PAH are considered known or potential carcinogens. PAH typically result from incomplete combustion of organic materials, i.e., ash and soot are high in PAH. Tobacco smoke and charcoal grilled food contain PAH. Other common sources include internal combustion engine exhaust, used crankcase oil, and the wear of rubber tires on pavement. Due to these latter sources the presence of PAH in runoff from roads and runways is to be expected. Concentration levels of total PAH on the order of 100-150 ppm can be considered background for soil in urban areas.

4. Michael Magee noted that a number of residents have indicated that they have observed accumulations of black material on their property which in their opinion is associated with periods of heavy flight activity at NAS Willow Grove. He asked whether the black material could be plane exhaust and whether it could be PAH. Chuck Houlik indicated that if the material were exhaust, it likely would contain PAH. Ens. McStravitz noted that one of the residents had some material analyzed and it was reported to be a fungus. LCDR Zook indicated that the facility would look into this concern as a matter separate from these proceedings.



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5. Chuck Houlik presented the findings and recommendations of the Fuel Farm Report. Mr. Houlik indicated that dissolved hydrocarbon contamination was detected in samples from all the down gradient monitor wells at the Navy Fuel Farm. Floating product has been observed intermittently in wells 1, 2, and 6. The Navy is considering EA's recommendations which are to more fully develop the wells and to do some pump testing to determine whether they can be utilized as recovery wells.

6. Jim Shafer indicated that the next steps are headed toward a pump and treat system. The Navy would prepare a request for proposal to EA Engineering, Science and Technology based on the final Fuel Farm Report recommendations to conduct pump and treat tests and for additional monitor wells to further assess the extent of contamination. It is the Navy's desire to provide an interim response action while simultaneously collecting data on the fuel farm site.

7. LCDR Mike Zook noted that the Navy will be going ahead with construction of the new Fuel Farm. Tanks 115 and 116 will be removed and new above ground tanks constructed near building 157. Construction is scheduled to start this fiscal year.

8. Mr. Magee asked whether the Navy would have to comply with new PADER tank guidelines. Lcdr. Zook responded that the Navy intends to comply.

9. The meeting was concluded, and the next TRC meeting is scheduled for 18 January 1990 at 10:00 hrs. in Building 1 conference room.

