



**MINUTES OF DECEMBER 12, 1989  
TRC MEETING  
AT NWS EARL, COLTS NECK, NEW JERSEY**

List of Attendees attached.

Adrienne Townsel opened the meeting by stating its purpose was to discuss the TRC comments to the RI/FS work plan. The SI work plan was distributed to attendees.

Ms. Townsel asked how many of the committee members were interested in a tour of the sites, since so many of those present were newcomers. The majority of those present were interested. John Mahoney requested that all interested parties write their names and social security numbers on a sheet of paper so that he could get clearance for the bus of committee members. This was subsequently done.

Ms. Townsel then opened the floor for comment beginning with EPA region II. Paul Ingrisano stated that Amelia Jackson had reviewed the QUAPP and that Brad Staub of Versar reviewed the work plan. Copies of review comments were given to Ms. Townsel (NAFAC) and Mr. Johnson (WESTON). Mr. Staub stated that his office in general felt the report was good. He did ask that we quantify ground water flow rates. He asked that we consider porosity and conductivity (slug tests) on the soils. He suggested that we identify when we will be taking samples (high or low flow periods). He also asked that the write up state that the field screening include monitoring with an HNu. He also suggested that rather than composite sampling that we sample discrete intervals. The state concurred. Brad mentioned that because we would be sampling the Englishtown aquifer we may have to double case. NJDEP also requested double casing.

John Boyer of NJDEP stated that the aqueous analyses tables as presented did not differentiate between the surface water and ground water sampling.

WESTON was queried as to the intent of the reports due at the end of the period. Richard Johnson of WESTON stated that these were intended to be status reports for the Navy. Robert Hayton of NJDEP requested that any raw sampling data be submitted to them. Ms. Townsel stated that could be arranged.

Ms. Jackson recommended that brass liners not be used in the split spoons since this will not allow for homogenization. Mr. Johnson stated the liners would not be used. Ms. Jackson also suggested that stainless steel well screen and casing be used instead of PVC. Mr. Johnson stated that PVC is technically acceptable and cost effective and as far as he



knew NJDEP permitted PVC in similar situations. Linda Welkom of NJDEP confirmed Mr. Johnson's discussion. It was agreed that the PVC well screens and casings would be utilized.

Ms. Jackson stated that there was no information in the QAPP regarding the data validation. The question arose as to whether or not an independent contractor would be used for the data validation. Ms. Townsel stated that she would find out if Martin Marietta would be doing this for the Navy. Both the EPA and the State indicated that they plan to validate up to 10% of the samples validation. Mr. Hayton stated that validation should be done at the completion of each group of analyses and not at the end of the program. The TRC concurred.

Mr. Boyer stated that along with their comments they would be forwarding a copy of the DEP field sampling guidance document to add to the QAPP. He also stated that trip blanks are no longer a requirement. Mr. Johnson stated this was normal procedure for his firm, but that he would re-evaluate. Mr. Boyer asked that the decontamination procedures be more detailed. The personnel in the Health and safety plan do not correlate with those listed in the QAPP.

Ms. Welkom stated that ECRA be removed from table 1-3 since it is not applicable. Ms Welkom asked that the methods of protocol be included. She said liners would be permitted if shelby tubes were used since they were also brass. Section 2-2, pg.2-2, tank cannot be abandoned it must be removed. Pg. 2-10, water level collection should not occur prior to 14 days after well development. NJDEP would like to see analysis for both total and dissolved fractions. Pg. 2-16, TRC agreed that we use lab clean bailers. Pg. 4-34, it was agreed that the reference should be NJAC 7: 9-6. The ground water regulations must be listed and discussed. Pg. 4-37, the reference there should be changed to 7: 9-6. Contractor is to confirm the licensing of its driller to be sure they are NJ licensed.

Pgs. 5-10 & 5-11: Regarding the deep well, NJDEP requested double casing and continuous split spoon sampling rather than interval sampling. Locations for utilities should be on drawings. EPA requests that geophysical work be done to better locate monitoring well 1F. NJDEP would like to see the rationale for soil collection 5' below the ground water table. Mr. Johnson stated that he would review that portion of the report. It was suggested that this was done because piezometers are to be placed.

Site 2 - It is not clear which of the borings will have piezometers. Clarification regarding nonmetals (TAL) is required, by deduction it appears that we are discussing cyanide. In general regarding the ground water analysis Mr.



Hayton asked that we expand the analysis to a full TCL TAL. (This was a request for all sites). Ms. Townsel asked why we had to do full scans where previous studies had ruled out specific compounds or where there was no reason to suspect certain compounds to exist. Mr. Hayton replied that the previous (SI) sampling may not have undergone the same lab procedures and data validation that is now required and we therefore may have missed something. Ms. Townsel stated that the previous work would be checked. Pg. 5-14, add water table elevations to the maps. Pg. 6-16, regulatory limits for base/neutrals, petroleum hydrocarbons and volatiles are now all compound specific.

Site 4 - The TRC agreed to the following NJDEP recommendations:

- o Indicate areas of stressed vegetation on map in the RI report.
- o Add sediment samples to spring samples.

Site 5 - Pg. 5-33, evaluate the discharge to the stream with the piezometer installation.

Site 7 - Pg. 5-37, remove cancer risk information. Add the brook to the drawing.

- o Add correct analyses to the parameters.

Site 10 - Pg. 5-45, add piezometer locations.

- o Expand explosive compounds analysis.

Site 11 - Pg. 5-40, identify the unlined pits on the map in the RI report.

Site 19 - (cadmium found)

- o Pg. 5-58, identify the path of the wash water near bldg. B-34.
- o Identify the stream shown.
- o Add a water table well at the potential source of contamination.
- o Consider field instrumentation such as X-Ray fluorescence to delineate metals contamination.

Sites 20 & 22 - DER felt that EP Tox was not sufficient for analyses of soil samples since it only indicates what type of landfill may be required for disposal. Use TAL. NJDEP asked that a full TCL/TAL be run. Mr. Johnson stated that WESTON

and the Navy felt that this was not required since the site history only indicates that the area was used for sandblasting, therefore the only contaminants expected would be metals.

Site 26 - A question was asked regarding the history of the settling basin. William Matthaey stated that the ordinance department may be able to give us some information. The contaminant of concern is picric acid.

Appendix A

- There is no statement of its purpose; or reference in the text should be included.

There appears to be a discrepancy in the well construction detail and the text.

The TRC agreed upon the following:

1. Those members who signed up for a tour of the sites will meet outside the gate at 0900 sharp on January 10, 1990.
2. The next TRC meeting will be held February 13, 1990 at NWS Earle.
3. WESTON will submit responses to prior NJDEP comments by 19 December 1990.
4. The NJDEP will have its comments submitted to the Navy two weeks after receipt of the responses to their previous comments.
5. Next meeting minutes are due within 2 weeks of meeting date.
6. TRC would like to see a work plan schedule.
7. RI/FS and SI sites will be distinguished by the use of prefixes Task 1 and Task 2, respectively.
8. The final RI/FS work plan will be submitted to the TRC by 6 February 1990 or three weeks after receipt of all comments.

12/12/87

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