

**RESTORATION ADVISORY BOARD (RAB) MEETING
NAVAL WEAPONS INDUSTRIAL RESERVE PLANT CALVERTON
RIVERHEAD MASONIC LODGE
RIVERHEAD, NEW YORK
August 5, 2004**

The sixteenth meeting of the RAB began at approximately 7:15. Meeting attendees include representative from the Navy (Mr. Joe Kaminski, Mr. Jim Colter, and Mr. Robert McCall), New York State Department of Environmental Conservation (Mr. Henry Wilkie), and RAB community members (Ms. Ann Miloski, Mr. Louis Cork, Mr. Harry Histan, Ms. Jean Mannhaupt, Mr. Tony Muratore [Peconic River Sportsman Club], and Mr. Bill Gunther). The agenda for the meeting is attached (Attachment 1). Because of access issues with the building, the meeting was held in the Lodge's parking lot.

A site tour was conducted by the Navy earlier in the day that started around 5:00 p.m. Several RAB members including the TAPP contractor (Mr. Frank Anastasi – SCA Associates), and Mr. Henry Wilkie from the New York State Department of Environmental Conservation (NYSDEC), attended. The tour visited IR Site 1 – Northeast Pond Disposal Area and IR Site 7 – Fuel Depot Area.

WELCOME AND AGENDA REVIEW

The Navy's RAB Co-chair, Mr. Joe Kaminski, Naval Air Systems Command, welcomed everyone to the RAB and reviewed the topics on the agenda.

Mr. Bill Gunther discussed his attendance at a Navy-sponsored RAB forum held in Salt Lake City, Utah. He brought back several handouts and is willing to share them. The general theme of the forum was "Decade for Success". At the forum, there were presentations on several case studies, technical presentations of technologies, including the use of pump and treat and coastal monitoring systems. The person who gave the coastal monitoring system presentation may be able to provide additional input on fresh water monitoring at the Peconic River.

Mr. Gunther mentioned discussion of budget issues, and indicated that the Navy is generally doing well getting the money they need for Calverton. Also they talked about funding sites with greater risks first. Mr. Gunther received a copy of the 5-year defense plan.

Mr. Gunther questioned the Navy regarding a Navy magazine (Currents). He received copies of some of the previous issues. Mr. Colter indicated that he would attempt to get Mr. Gunther added to the mailing list and also indicated that there is a website that he would provide. Mr. Kaminski indicated that RAB members can write an article for the magazine.

Mr. Colter asked how we stack up compared to the other RABs. Mr. Gunther thinks that we have good dialogue and the Navy is very responsive and listens to the concerns of the RAB. Other RAB members agreed.

DISTRIBUTION OF MINUTES

Mr. Colter explained that the Navy was unable to mail out the previous minutes before the August RAB meeting because the stenographer's transcripts have not been completed. This has been an ongoing problem.

During the initial RAB meetings, because of potential disagreements about statements at the meeting, a stenographer was used to document everything said at the meetings. However, there has been difficulty getting the stenographer's transcripts in a timely manner and the Navy proposed only having meeting minutes prepared without a stenographer. Mr. Colter indicated that the RAB meetings have been going smoothly and he does not think that word-for-word documentation is needed for the RAB meetings any longer. In addition, without waiting for the transcripts, the Navy will be able to issue meeting minutes much quicker. RAB members agreed that a stenographer was no longer required.

TECHNICAL PROGRESS

Agenda items are based on requests made at the last RAB meeting.

Site 7 Fuel Depot Area

Mr. Stavros Patselas (Tetra Tech FW) provided a status update on the project of the Site 7 remediation system. The air sparging and soil vapor extraction wells are being installed in the central portion of the site where the USTs were removed. A building, piping, and treatment equipment are also being installed. Start up is scheduled for the end of September or early October.

They will run the system for 3 months to obtain data. Based on an evaluation of the data, they will add more wells as necessary.

TtFW will collect the samples for laboratory analysis. The laboratory that will be used was questioned. Mr. Patselas indicated that the laboratory has not yet been identified. Mr. Colter mentioned that Navy has an approved list of labs, and that TtFW will go out for bid from this approved list. Ms. Mannhaupt was concerned with the quality of some of the laboratories and that laboratories need to meet the certain requirements and that the Navy needs to use certified laboratory. Regulators can do split samples. Mr. Colter indicated that they will let the RAB know which lab is selected before collecting samples.

Mr. Patselas continued that once the pilot study data is collected, a report will be prepared.

Mr. Patselas indicated that Freon was detected in groundwater at a portion of the site. To address the Freon they will be using portable machine to inject ozone into those well to destroy it. The monitoring program for the pilot study will include freon analysis.

The size of the site was questioned. Mr. Patselas indicated that the site is approximately 2 acres.

Site 6A/Southern Area

Mr. Dave Brayack (Tetra Tech NUS) provided a status of the Site 6A and Southern Area field work, (see Attachment 2 for Handouts).

The work plan was sent out several months ago. Comments were received from the NYSDEC and the RAB's TAPP contractor (SCA Associates - Mr. Frank Anastasi). Response to comments were prepared and discussed, but not handed out. The plan will be finalized and distributed with response to comments.

One comment addressed the drilling technique. Hollow stem auger is a preferred method over other techniques such as mud rotary, for a few reasons. However, there is only one driller in the area who can potentially do it, and even then there is some question as to whether they can reliably access the depths.

The Navy recently selected a contractor who will do the hollow stem auger. Our method will be similar to that being conducted at Brookhaven National Laboratories. However, the groundwater samples will be collected on the way down using a hydropunch-type sampling. Mr. Anastasi explained the benefits of using the hydropunch sampler.

One comment indicated that the Navy should not pre-determine well/screen depths. Mr. Brayack indicated that it was not the intention of the work plan to pre-determine well depths. Rather the final well depths will be selected based on geophysical logging of the borings prior to well installation. To clarify this concern the work plan will be modified to state this approach.

One comment addressed the number of split spoon samples to be collected. Mr. Brayack indicated that only a limited number of split spoons samples were planned. The Navy has used geophysical logging in the area before and has been very successful. The number of split spoon samples was limited because it make the drilling more difficult, especially at depth. Also, for each location, several boring will be installed. If interesting geological formations are encountered, they will be sampled in the next boring.

One comment addressed the limited number of QA/QC samples to be collected. Also the NYSDEC requested that state-approved laboratories be used. Mr. Brayack indicated that the temporary monitoring well program involved the used of high quantity field screening with quick turn around, so a local laboratory was used. For similar reasons, we will not be doing a lot of QA/QC samples. However, 10% of the initial samples will be submitted to another fixed base laboratory with full QA/QC testing and data validation.

One comment indicated that if deep contamination was found, that the program may need to go deeper, especially by the river. Navy realizes this concern and developed a staged program. Based on the initial results, they can go back and get more deeper information. 150 feet below ground surface is the target depth.

One comment addressed the Engine Test House Site. Mr. Brayack indicated that the Navy believes that there is sufficient data on this area.

One comment discussed the Site 6A/SA sample designation, and the possibility that hand written 6A and SA IDs may be difficult to distinguish. Mr. Brayack explained that these designations are incorporated into several reports over the past several years, as well as in the Environmental Geographic Information System (EGIS) database. It would be very difficult and confusing to change sample IDs at this time.

One comment questioned the presentation of the data, and requested additional figures to better illustrate the program. The Navy agreed. Mr. Brayack showed several updated figures that will be added to the work plan.

Mr. Brayack provided an overview of the program. Specific issues include the potential that the deep groundwater is not flowing in the same direction as the shallow groundwater. As a result, a staged program of vertical profile borings to collect water samples for chemical analysis and

piezometers to measure horizontal and vertical flow directions. The field work is scheduled to start just after Labor Day and take several months to complete. The first activities will be conducted at the Sportsman Club.

Several wells are planned for remote sections of the Peconic River, a small bull dozer may be required to pull a drill rig through the heavy brush. These activities will be coordinated with the NYSDEC who now owns the property.

Mr. Anastasi commented that the plan was thorough and the approach is good. He indicated that hydropunch before the augering and quick turn analysis is common. However, the regulators will need to be kept up to date. Mr. Colter confirmed that field decisions will be discussed with the regulators.

One RAB member questioned whether the RAB member can also be updated, without having to wait for the next meeting. The Navy agreed to send Mr. Gunther regular emails providing updates on the results and significant findings. Mr. Gunther will let other RAB members know as appropriate.

CLOSING REMARKS

Mr. Kaminski provided closing remarks. Mr. Colter indicated that the Navy will be present at the site in September and will provide a tour for those that missed today's tour. The third week of September is the most likely time period.

Mr. Gunther asked to have a final tally on who wants to be on RAB. Mr. Colter will email to Mr. Gunther several people who haven't responded and haven't shown up at RAB recently. Mr. Gunther will try to contact them too.

The next RAB meeting will be the first Thursday in November. The RAB member representing the Peconic River Sportsman's Club, offered to hold the next meeting at their facilities. Due to the problems encountered with the Masonic Lodge, the Navy agreed to hold the next RAB meeting at the Peconic River Sportsman's Club.

The RAB had no additional questions or topics for discussion. The meeting was adjourned.

LIST OF ACTION ITEMS

- The Navy will provide the web site address for 5-year plan.
- The Navy will provide RAB with planned lab for analysis for the work at the Fuel Depot.
- The Navy provide Mr. Gunther will regular updates on the status of the field program.
- The Navy will email Mr. Gunther a final tally for RAB members who haven't responded so that he can try to contact them.
- Add to mailing list Les H. Davis, Calverton, NY 11933