

Ravenna Army Ammunition Plant Restoration Program Restoration Advisory Board (RAB) Meeting 19 February 2014

1. Call to Order & Reading of Minutes

The Restoration Advisory Board (RAB) meeting for the Ravenna Army Ammunition Plant (RVAAP) Restoration Program was called to order by Mr. Tom Tadsen, Community Co-Chair, at 6:04 p.m. at the Windham Township Hall, Windham Ohio.

Meeting attendance was recorded as 15 members present, 9 excused absent and 3 unexcused absent (Mr. Richard Poots, Ms. Nancy Taylor, and Ms. Nina Miller).

Mr. George Tompkins made a motion to suspend with the reading of the minutes of the previous meeting. The motion was seconded by Bill Steiner. Tom Tadsen asked the board members if they had any additions or corrections to the minutes. No comment from the RAB members present. Tom Tadsen called the motion to question... "All those in favor please say 'Aye'. "All those opposed?" The motion carried, and Tom Tadsen announced the minutes were approved as printed.

2. General Business

Scheduling of the next meeting - Tom Tadsen suggested the next RAB member meeting be scheduled for the third Wednesday in May, 21 May 2014. Mr. Tadsen asked if there were any conflicts or objections with this date. There were no conflicts or objections from the board members present, therefore the next RAB meeting was scheduled for Wednesday 21 May 2014.

Tom Tadsen – Asked the board to suggest a location to hold the next meeting.

George Tompkins suggested Charlestown Town Hall.

Tom Tadsen – Are there any comments or objections to the next RAB meeting being held at Charlestown Township?

The board did not have any comments or objections. The next RAB meeting scheduled for Wednesday 21 May 2014 will be held at Charlestown Town Hall. If there are problems encountered scheduling this location the RAB will be notified via US Mail.

Tom Tadsen introduced Mr. Kevin Palombo as the new Ohio EPA representative to the board. Kevin is replacing Ms. Eileen Mohr who has retired. Kevin was welcomed by the board.

Tom Tadsen introduced the first presenter to the board, Jennifer Zavoda, P.E. of the Kelly-Buck Company. Ms. Zavoda's technical review of the Facility-Wide Groundwater Monitoring Program (FWGWMP) is made possible by the DoD's Technical Assistance for Public Participation (TAPP) program.

3. Presentation by Jennifer Zavoda, P.E. (Kelly-Buck Company) - FWGWMP document review.

Ms. Zavoda gave the board a presentation on summary of findings, TAPP Grant topic Facility-Wide Groundwater Monitoring Program. To request a copy of the formal presentation please contact Becky Haney at rebecca.m.haney.ctr@us.army.mil or visit www.rvaap.org .

Following the formal presentation, Tom Tadsen asked the RAB members to proceed with questions.

Tom Tadsen – VOC's and SVOC's are not naturally occurring but are the inorganics naturally occurring in this area?

Jennifer Zavoda – Yes the inorganics found are very typical of Ohio groundwater.

Kevin Palombo – Iron (Fe) and Manganese (Mn) are found all over Ohio. Arsenic is also naturally occurring but the maximum contaminate level (MCL) has been lowered in the last 5 years. Background values for these elements are high in this area.

Jennifer Zavoda – Backgrounds are previously determined values and presented for comparison.

Tom Tadsen – Where was the DEHP detected?

Jennifer Zavoda – DEHP was detected in 65 wells scattered throughout the property, both shallow and deep wells. These detections were broad and there were no evident associations or connections.

Kevin Palombo – The 2013 sampling report values for DEHP are low so we are leaning toward these being artifacts associated with testing lab and methods.

George Tompkins – How deep are the unconsolidated wells?

Kevin Sedlak – The unconsolidated wells are on an erosional surface, they can have a zero depth or depending on the back fill can go up to 100’.

Tom Tadsen – Some of the Load Line Buildings are on Bedrock, this runs thick through the center of the installation.

James Mayer – Is there any background data for metals in ground water off site?

Kevin Palombo – The EPA is looking at the whole facility, using background values up gradient across the site. There is plenty of background data on the facility but currently none off site.

Tom Tadsen – A while back the Ohio EPA tried to assess background ground water values on properties around the facility. Most landowners were reluctant to allow their wells to be sampled because if any contaminants were found they would have to be disclosed in future property transfers.

Kevin Sedlak – I have done extensive research on wells outside the property line and surrounding areas and could not find any background data. There are some USGS and EPA wells but you want data on ground water that goes through the site.

Kevin Palombo – There is a lot of data on site and it seems that, as common methods are used some of the site data will balance out. There are also some metals that are naturally occurring in the groundwater.

LTC Meade – All of the funding for these types of studies still goes through the AEC (Army Environmental Command). The OHARNG does not control the funding, and all funding requests go to the Army. These types of studies are very expensive so the risk has to be high enough to justify spending those funds. Currently the risk for at this facility is very low.

Katie Tait – This issue has been addressed before. 3 new wells were installed just outside the fence but still within the property boundary in December 2013. The Army will fund extent studies and clean-up if contaminants are moving off site. We have a ton of data on site and are just entering the data crunching phase. The background studies are moving into the RI (Remedial Investigation) phase so there is much more data to come.

Tom Tadsen – If contaminants are found, the Army has made a promise to follow them if they lead off site and to do the necessary clean-up. The Army will follow through with this promise.

Karen Steiner – What other clean-up methods are there other than closing the well? Can the contaminants be cleaned or eradicated?

Kevin Sedlak – If the contaminants are inorganics or metals they are naturally occurring so only need to be cleaned up to background levels. This is what water softeners do in homes. It is very hard to technically remove all contaminants if the situation is bad enough.

Tom Tadsen – On one end you can try to take out the contaminant and dispose of it in a properly licensed landfill dump or pump the water from the ground and treat it. In Ohio there is a lot of naturally occurring clay that helps to isolate contaminants from the groundwater. Out west the groundwater contamination is much greater because the contaminants leach through the soil straight to the aquifer. Are there any further items for the TAPP provider to address on the remaining portion of the current contract?

Delbert Woloski – What are the options for future items to address?

Tom Tadsen – We can look at the primary threats, outside LL3, those closest to the fence/property line, trends over time.

Katie Tait – The RI Work Plan for the FWGWMP would be good to look at in 2014.

Tom Tadsen – At what point in time?

Katie Tait – Fall.

Jennifer Zavoda – A comparison between the 2011, 2012 and 2013 annual FWGWMP reports could be done if the 2013 is close to being finalized.

Katie Tait – The 3 new wells will be sampled soon as well.

Dan Spicer – What are the depths of the 3 new wells?

Kevin Sedlak – The 2 along State Route 5 are around 100' and 60-70' in the Sharon formation. The other well is an unconsolidated well at about 24-34'.

George Tompkins – Would September be a good timeframe?

Tom Tadsen – We can look at it when we get there. Perhaps extend a meeting to the September-October timeframe. Any more suggestions?

James Mayer – Could we look at water systems from surrounding Municipalities for data such as Garrettsville, West Branch, Paris, Newton Falls, Windham, Charlestown, Freedom?

Tom Tadsen – We could look at those down gradient. Windham has a good sewer system so would have data. Any further suggestions can be given to Becky Haney at rebecca.m.haney.ctr@us.army.mil or 330-872-8010.

Tom Tadsen – Are there any further questions from the board?

No further questions were posed by the board.

Tom Tadsen – Are there any questions from the public?

No questions were posed by the public.

Tom Tadsen – Our next presenter will be LTC William Meade, OHARNG - Garrison Commander of Camp Ravenna Joint Military Training Center. He will be giving an update on the property transfer and the ongoing Restoration Program.

4. Presentation by OHARNG, LTC William (Ed) Meade

LTC William Meade, OHARNG gave a presentation on the property transfer and Restoration Program Manager update. To request a copy of the formal presentation please contact Rebecca Haney at rebecca.m.haney.ctr@us.army.mil or visit www.rvaap.org.

Following the formal presentation, Tom Tadsen asked the RAB members to proceed with questions.

Tom Tadsen – Can you give the board an update on the possible missile defense site?

LTC Meade – As you may be aware Camp Ravenna has been on a short list of possible sites for the Missile Defense Command. The list has just gotten shorter. Back in October a team of about 25 people from the Missile Defense Command were on site for a week conducting an evaluation in which they reviewed data, toured the site, and did some testing and sampling. After these evaluations were completed on all 5 possible sites the list was narrowed down to 4 viable sites. These sites were recommended to Congress for further evaluation. This will include environmental impact and feasibility studies and will take an estimated 2 years to complete for all 4 sites being considered. At the end of this evaluation the committee will make a recommendation to Congress ranking or eliminating sites by suitability. Once the recommendation is made to Congress they have to approve the whole project for final award. It will be interesting to follow and would be a huge boost for the local communities. It is 3.2 billion dollar project, so the process is slow and in depth.

Tom Tadsen – Are there any further questions from the board?

No further questions were posed by the board.

Tom Tadsen – Are there any questions from the public?

No questions were posed by the public.

5. Other items

Tom Tadsen – Are there any topic suggestions for the next meeting?

Kevin Sedlak – Now that the Tech Memo has been approved projects will be getting underway. We can give a status check on the AOC's. This could be done regularly at every other meeting.

James Mayer – Was there storm damage from the flooding this summer?

LTC Meade – There has been some significant storm damage on site. Funding to repair this damage falls under the State's O&M budget. There is about 5-7 million to maintain ALL Ohio facilities real property. Camp Ravenna could consume this whole budget, and has gotten the lion's share in the past, but projects statewide are competing for funding. There are 2 projects at Camp Ravenna from storm damage that are on the list for funding. There is a wash-out along State Route 5 where the culvert and ground surrounding it need to be replaced under the perimeter fence. We are putting an emphasis on the potential access point this damage has caused. The fence is a land use control and we are required to maintain it. But these projects take time and we are hoping this will get funded this year.

Katie Tait – Inside of Main Gate you will see we are in the process of demolishing Building 1030, the old administration building. This should be done by the end of April.

Tom Tadsen – Are there any other items from the board?

There were no items from the board.

Tom Tadsen – Additional items from the audience?

There were no additional items from the audience.

Tom Tadsen – If any issues, discussion topics or concerns come up after the meeting please contact the RAB Administrator, Becky Haney at rebecca.m.haney.ctr@us.army.mil or 330-872-8010.

The meeting was adjourned by Tom Tadsen at 7:33 p.m.

Respectfully submitted,

Rebecca Haney, RVAAP RAB Administrator