

Ravenna Army Ammunition Plant (RVAAP)
Restoration Advisory Board (RAB)
Meeting Minutes
January 21, 2009

1. Call to Order & Reading of Minutes

The meeting was called to order by Community Co-Chair Tom Tadsen at 6:02 p.m. at the Freedom Township Hall, Freedom Ohio.

Mr. JJ Leet made a motion to suspend with the reading of the minutes of the previous meeting. The motion was seconded by Mr. Walter Landor. 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.

Meeting attendance was recorded as 19 members present, 2 excused and 4 absent (Ms. Irene Glavies Lutz, Ms. Nancy Taylor, Mr. Howard Furl, and Mr. John Millea).

2. General Business

The first order of general business, Mark Patterson reviewed the questions cards received from the September meeting.

Comment Card Question #1:

Why doesn't the RAB board ask more questions? Submitted by Laura Duncan, Middlefield Ohio

RAB Members Response: Presentations that are given during the meetings are explained very well, so additional questions are not always needed. If we have questions, we ask them or do additional research following the meeting on our own. We live in the surrounding communities and feel that our questions have been answered appropriately and our issues have been properly addressed by the US Army and the Ohio EPA.

Added responses from the RAB Members:

Jon Barber- stated that he is offended by this comment and many other RAB members agreed. Questions are answered appropriately and that is why we are satisfied.

Tom Smith- I am very blunt and not afraid

Comment Card Question #2:

Why does Col. Tadsen stifle communication from the public? Submitted by Ron Duncan, Middlefield Ohio

RAB Members Response: Tom Tadsen conducts himself professionally and runs the meeting very well. He does not stifle communication, if anything he promotes asking questions and will ask many times if anyone needs further clarification. At no time have we witnessed Tom Tadsen being disrespectful. He needs to keep the meeting moving forward and he does.

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JJ Leet- Tom Tadsen did stifle a specific communication that evening, because this was the same question asked over and over again. The question was reworded many times by the same person, but it is always the same acceptable answer. George Tompkins agreed with JJ.

Comment Card Question #3: Who does the RAB board report to? Do the co-chairs get paid?
Submitted by Ron & Laura Duncan Middlefield, Ohio

Response by Mark Patterson & Tom Tadsen: The RAB board reports to the surrounding communities. The community co-chair does not receive any compensation. The position of the US Army co-chair is part of the RVAAP Facility Manager's job description.

Comment Card Question #4: Are written questions submitted on these cards public record?
We request they are. Submitted by Ron Duncan Middlefield, Ohio

Response by Mark Patterson: Comment cards are part of the public record, and always have been. When a comment card is received the RAB members prepare responses. The comment cards and responses are read at the next scheduled meeting and recorded as part of the minutes. The RAB minutes are mailed to RAB members and those on the public mailing list, posted on the rvaap.org website and placed at each of the local repositories.

Comment Card Question #5: How can we get more involved in finding solutions the problems at the Ravenna Arsenal? Submitted by Laura Duncan Middlefield, Ohio

RAB Members Response: Community members can get more involved by applying for an opening on the RAB board and listening closely to presentations at the public meetings and asking questions. RVAAP has a website that the public and members can research items (rvaap.org) and there are two repositories that you can visit to view documents.

Comment Card Question #6: How would the EPA discover offsite contamination?
Submitted by Laura Duncan Middlefield, Ohio

RAB Member Response: In the late 1990's the Ohio EPA conducted residential water well testing. Off-post sediment and surface water sampling was conducted in the summer of 2006. RVAAP is located within the upper Mahoning River-Basin; this effort provided a more complete view of the water quality in this watershed. As discussed in previous meetings the Army cannot legally extend monitoring wells past the property if no contamination attributed to the arsenal has been found.

Jon Barber- the RAB does not submit or approve contracts or proposals.

James Mayer- It is not the RAB member's duties to find the solutions; we ask questions that get answered.

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Jon Barber- If surrounding property holders want to do water testing, can they?
Mark - Yes and we would assist.

Eileen- We would help folks with the testing perimeter. Tom Tadsen explained in the past, the Ohio EPA completed testing in approximately 25 residential wells.

Comment Card Question #7: Why does the RAB board/Army trust the Ohio EPA?
Submitted by Ron Duncan Middlefield, Ohio

RAB Members Response: The Ohio EPA has an obligation to the RAB members and the local communities. The Ohio EPA representative has been a part of the RAB for over 11 years and has always reported good or bad news to us no matter what the circumstances. The Ohio EPA has demonstrated time and again that they are trustworthy and they have gained our collective confidence.

Mark Patterson stated that the Army and the Ohio EPA have a good working relationship focusing on the final goal. The Ohio EPA's work has been evaluated by outside agencies and the work is impeccable. We have no reason not to trust the Ohio EPA.

Tom Tadsen thanked everyone for comments and asked Mark if anyone else had any comment card questions. Mark- No

JJ Leet added that he trusted the Ohio EPA not only because he has worked with them for many years but just look at Todd and Eileen, they are trustworthy people. They have always been totally honest with us so there is no reason not to trust them.

Mark Patterson provided an update on the Technical Assistance for Public Participation (TAPP) grant for RVAAP. The extension request has been sent to the Deputy Secretary of the Army. In RVAAP's case we have received funds in the amount of \$88,000.00. Any funds requested over \$100,000.00 must be approved by the Deputy Secretary of the Army. We do not need the approval for the remaining \$12,000.00 but we will need the approval if we request funds over this amount.

Tom Tadsen asked for a motion to proceed to extend the TAPP Program funds to assist the RAB members. Mr. JJ Leet made a motion to proceed with the TAPP funds request. The motion was seconded by Mr. George Tompkins. Nancy Taylor asked Mark to explain the application process. URS has been the RAB Members' technical provider for the past couple of years, but due to the current contracts the members will need to look at another technical provider. Tom Tadsen asked the board members if they had any further questions. No additional comments 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. Tom Tadsen asked the RAB members to contact Christy Esler at christy.esler@us.army.mil or Mark Patterson at mark.c.patterson@us.army.mil with topic ideas in the next week.

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George Tompkins & Becky Carter asked if the members can view the presentation/statement of qualifications prior to the next meeting to prepare questions.

Mark & Tom- Yes, we will have Christy prepare the information for review prior to the meeting.

Mark said that the TAPP application is left broad, this gives us the flexibility. We can recommend three upcoming projects to the board for consideration.

Tom discussed the ground water document, this is a living document that we continue to build and is a synopsis and contains reference material. This document was started years ago by USACE, Paul Zorko.

Mark- Tom is looking for a capture to encompass all ground water wells data. There is a large community interest in this topic and is a priority is the quality of groundwater as well.

George Tompkins- Is it easier to reference back to original documents?

Tom- the topic documents are at the library and it covers a large area. This would be a living document that could be added-to as further studies, investigations and sampling are accomplished.

Jay Abercrombie- Agreed to this approach and after a decade of data this would be a good document to add to the web.

Brian (Paris Township Resident) - asked if the soil contamination could also be a part of this document or just ground water?

Tom- Ground water is the number one concern of the public.

Julie Smeiles & Bill Krimmer- Made a statement that it would be beneficial if an acronym list is attached so even an interested public person will be able to understand and read this document.

Jon Barber asked the frequency of the meetings and if we need to have a special meeting to discuss topics chosen could that happen?

Tom Tadsen- The frequency of RAB meetings is once every four months (3 RAB meetings and 1 RAB Member Tour a year).

Jon Barber- then a special meeting would be called?

Tom Tadsen- Yes

Tom Smith- suggested a designated meeting schedule then proceed as needed.

Tom Tadsen said that right now we are having a RAB meeting once every three months, does anyone oppose having one every four months.

RAB Members- no one opposed one meeting every four months.

Tom Smith- We should stick with a quarterly meeting schedule and actually schedule meetings as needed.

Mark Patterson said he wants to be sure we keep everyone informed of the projects but does not want to waste anyone's time.

Tom Smith asked if he could discuss the comments cards for a moment, Ohio EPA has worked along side us for a long time now. I am not happy with a lot of Ohio EPA's rules/regulations but Eileen Mohr is much respected and so is Todd Fisher.

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Tom Tadsen- discussed the letter Mark received from the Citizens for Safe Water Around Badger (CSWAB) dated January 6, 2009. All RAB Members have been provided a copy.

Mark Patterson said that this is the first time he has received comments or questions in writing from Laura Olah, Executive Director of CSWAB. SAIC is developing draft responses and those will be finalized by January 7, 2009. All RAB Members will be sent the final response when issued to Laura Olah.

Tom Tadsen asked the members if there were any additional business items. The members did not have anything additional at this time.

Tom Tadsen introduced Jed Thomas of Science Application International Corporation as one of the presenters for this evening.

1. Presentation of the Performance Based Acquisition 2008 Project overview, Jed Thomas, Science Application International Corporation (SAIC).

After completion of the formal presentation, the RAB members proceeded with questions directed to Jed Thomas. (To request a copy of the formal presentation please contact Christy Esler, RAB Administrator).

Joe Beutler- Asked Jed to confirm that the news wells will be in a portion of the Sharon Conglomerate. Jed Thomas and Todd Fisher (Ohio EPA) agreed.

Eileen Mohr (Ohio EPA) - We discussed at length throughout the process where we would put the wells, decided in source areas and perimeter to the AOC's. We looked at the first water based on if contamination is found it should be in the first water detected. We have always wanted to install bedrock wells and the funding came through.

Jon Barber- The wells currently out there, are these wells close to the new wells to be installed?

Eileen Mohr- Yes a few, we will look at particular identified areas where we have found contamination, and also at the perimeter of the installation.

Mark Patterson- RVAAP has 235-240 ground water wells in areas that we believed were potential areas of contamination. This project will show us if the deeper aquifer (bedrock) has been impacted.

Jon Barber asked if those wells Mark is referring to are still sampled.

Eileen Mohr- Yes, those wells are part of the Facility Wide Ground Water Monitoring Plan and every well will have minimally one calendar quarter of perchlorate sampling as well.

Jon Barber- Do you have perchlorate data for a source area?

Eileen- yes – The Fuze & Booster Area, surface water. We re-sampled and those resulted in a non-detect.

Mark Patterson- Perchlorate is an oxidizing agent that they used in rocket motors.

Tom Tadsen asked Jed what Load Line 12 was used for.

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Mark said that Load Line 12 was an ammonium nitrate plant.

Jon Barber- Are the sewer lines still active?

Mark- No they are not and the National Guard will have their own separate sewage system. We have a safety concern about manholes, so those may need to be filled.

Tom Tadsen added that these man holes are a major safety concern. Some of them are approximately 20ft deep and are in areas that the Guard will use for maneuvers.

Dan Spicer- The 235-240 wells already installed, how deep are they?

Eileen- We will look that information up for you and get back to the RAB.

Todd Fisher- The well depth is an average of 8 feet.

Tom Tadsen- There is a significant variance of geology throughout the installation.

Dorene Spicer- Will the wells at Winklepeck Burning Grounds be sampled for perchlorate?

Eileen Mohr- Yes- every well will be sampled for perchlorate quarterly over a year period.

Mark Patterson agreed

Dorene Spicer- How long have the wells been there?

Eileen Mohr- Since 1996

Tom Tadsen- Now the Mark 19 range has been installed and the wells have been retained due to careful planning. Well heads have been protected from potential damage.

Julie Smeiles- Every well will be tested at least once for perchlorate? If it is non-detect but we find something farther away will you go further, what about seasonal fluctuation?

Eileen- Yes the wells will be tested and currently there has not been any large seasonal fluctuations. We have tested for perchlorate the last couple of years – even when other facilities have not.

Mark Patterson- referred Julie to the 2006 perchlorate guidance, and added that we need some reason to go out and sample. There is no National Standard yet and we did get into a little bit of trouble for taking these earlier samples.

Eileen added that the USEPA is looking into the perchlorate levels and is involved in setting standards. Although some states, like California have already done so.

Bill Krimmer asked if we have maps to sanitary sewers and storm water drains.

Mark Patterson- Yes we do, they may not be a 100% but we get pretty close.

Jed Thomas agreed that they are fairly accurate.

Bill Krimmer- What about the drainage system under Wayland Rd. and the main gate drainage thru Paris exiting onto the Kings property under Rt. 5.

Tom- Drainage South of Load Line 12 comes out at the East end of the RVAAP on the Trumbull County line.

James Mayer- There are as many places where surface water runs into the arsenal as out.

No additional questions were fielded from the members or public participants.

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2. Winklepeck Burning Grounds Project Update, Brian Stockwell, PIKA International.

After completion of the formal presentation, the RAB members proceeded with questions directed to Brian Stockwell. (To request a copy of the formal presentation please contact Christy Esler, RAB Administrator).

Jon Barber- How big are the pads?

Brian- Pad 61A is 96 x 180ft. And Pad 61 is 70 x 170ft.

Mark- Pads were well maintained, they dumped debris onto the pads to burn and then added fuel oil, straw and then collected the debris. There were approximately 72-73 pads at WBG. Tom Tadsen added that in between burning they maintained WBG like a poor quality golf course, and mowed it with tractor-mounted flail mowers.

No additional questions were fielded from the members or public participants.

3. Presentation of Load Line 2, 3 & 4 Sampling of Soils Beneath Floor Slab Project Update, JoAnn Bartsch, URS.

After completion of the formal presentation, the RAB members proceeded with questions directed to JoAnn Bartsch. (To request a copy of the formal presentation please contact Christy Esler, RAB Administrator).

Dan Spicer asked how many yards of soil were removed.

JoAnn Bartsch- 2,500 to 5,000 cubic yards.

Julie Smeiles- Can you estimate to what depth?

JoAnn Bartsch- Not sure yet, it was a site to site decision.

Bill Krimmer asked any evidence of TNT / DNT?

JoAnn Bartsch- DNT 2, 4 and DNT 2, 6 in the multi-increment (MI) samples were detected but very little.

Bill Krimmer- How many samples?

Brian Stockwell & JoAnn Bartsch- There were 105 buildings and approximately 800 samples

Julies Smeiles had further discussions with JoAnn regarding the MI sampling process. JoAnn explained in detail that if she gets a high result then they go back and resample. Julie wanted to confirm that the MI samples are a collective result from multiple sample locations in the footprint of the floor slabs.

Mark Patterson added that the MI samples are in areas where there are no discrete samples. There is no obvious reason one spot is hotter than another.

Jon Barber asked what the footprint size of the foundations was.

Mark & Tom agreed around 100 x 400 ft., massive concrete.

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No additional questions were fielded from the members. Tom Tadsen asked the public for any questions directed to JoAnn Bartsch. There were no further questions from the public.

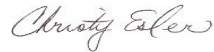
Tom Tadsen asked for any additional questions prior to the scheduling of the next meeting.

Tom Tadsen reminded the RAB Members to please contact Mark Patterson or Christy Esler with TAPP topic ideas within the next week.

Tom Tadsen announced the next meeting will be April 15th at Paris Township, 6pm.

Since there was no further business or questions, the meeting was adjourned at 7:37 p.m. Mr. Tom Smith made a motion to adjourn the meeting at 7:37. The motion was seconded by Mr. George Tompkins. Tom Tadsen announced the meeting is adjourned.

Respectfully submitted,



Christy Esler
Ravenna Army Ammunition Plant
Restoration Advisory Board Administrator