

# APPROVED 16 NOV 2016

## Ravenna Army Ammunition Plant Restoration Advisory Board (RAB) Meeting 20 April 2016

### 1. Call to Order & Reading of Minutes

The Ravenna Army Ammunition Plant (RVAAP) Restoration Advisory Board (RAB) meeting for the Installation Restoration Program was called to order by Mr. Tom Tadsen, Community Co-Chair, of Franklin Township at 6:07 p.m. Wednesday, April 20, 2016 at the Freedom Township Hall, Triangle of Routes 700, 303 and 88, Windham, Ohio 44288.

Meeting attendance was recorded as 17 members present, 7 excused absent and 1 unexcused absent (Ms. Irene Glavies-Lutz).

Tom Tadsen (Franklin TWP) asked if everyone received and had a chance to review the minutes from the last meeting and made a motion to suspend with the reading of the previous meeting's minutes. The motion was seconded by George Tompkins of Paris Township. Tom Tadsen asked the board members if they had any additions or corrections to the minutes. There were no comments or changes from the RAB members present. Tom Tadsen called the motion to question... "All those in favor please say 'Aye'," "All those opposed." There were no members opposed so the motion carried, and Tom Tadsen announced the minutes were approved as printed.

### 2. Safety Minute

Kevin Sedlak, (Paris Township) the Army National Guard Restoration Project Manager at Camp Ravenna, gave the safety minute discussion. The safety minute reviewed Ohio Utilities Protection Services (OUPS) call before you dig procedures. PowerPoint slides of the presentation can be found at [www.rvaap.org](http://www.rvaap.org).

### 3. General Business

The first order of business was scheduling the next meeting. Tom Tadsen (Franklin TWP) Community Co-Chair suggested next meeting be held on Wednesday, September 21, 2016. The board had no object objections or conflicts with this date. Mr. Tadsen then asked for a township to volunteer to host the meeting. Ryan Shackelford, Portage County Office of Homeland Security and Emergency Management Director, volunteered the Office of Homeland Security located at 8240 Infirmary Rd., Ravenna, Ohio 44266 (Shalersville Township) with Charlestown as an alternate.

A condolence card was sent on behalf of the board to the Family of former RAB member Waltor Landor after his passing. There were no further general business items.

At the conclusion of the general business discussion Tom Tadsen introduced the presenter, Mr. Brent Ferry, Project Manager, Weston Solutions. He asked that questions be held until the end of each presentation. Questions by RAB members will be addressed first, followed by any from the general audience.

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### **4. Groundwater and Environmental Investigation Services for the Ravenna Army Ammunition Plant Restoration Program, Brent Ferry, Project Manager, Weston Solutions.**

Mr. Brent Ferry, Project Manager, Weston Solutions, gave a presentation on the TEC-Weston Joint Venture Groundwater and Environmental Investigation Services for the Ravenna Army Ammunition Plant Restoration Program at Camp Ravenna, Portage and Trumbull Counties, Ohio. To request a copy of the formal presentation please contact the RVAAP RAB Administrator at (330) 872-8010, [rebecca.shreffler@vistasciences.com](mailto:rebecca.shreffler@vistasciences.com) or visit [www.rvaap.org](http://www.rvaap.org).

Following the presentation Tom Tadsen (Franklin TWP) asked Mr. Ferry to further explain the pumps that will be used for sampling. Mr. Ferry stated that QED Environmental Systems are the leader in low-flow bladder pumps. They are made of stainless steel, plastic PVC and Teflon. These pumps are designed specifically for each individual well with a specialized cap, air bladder and quick connect for sampling. The use of dedicated pumps cuts down on the amount cleaning and time/equipment needed to move portable pumps. These dedicated pumps stay in place, decreasing turbidity problems faced in the past by dropping portable pumps at each sampling event.

Dan Spicer of Paris Township asked the depth of the new wells. Mr. Ferry answered there are several depths chosen to address issues. These include unconsolidated, Upper Sharon and basal Sharon.

Mr. Spicer then followed with why these new well sites were chosen over others. Mr. Ferry explained that TEC-Weston did an in-depth analysis of all currently available data and these site were chosen to address data gaps and delineate any down grade migration not addressed to date.

George Tompkins, Paris Township, asked how TEC-Weston will go about abandoning the wells. Mr. Ferry answered there is guidance on abandoning the 2 types of wells, production and monitoring.

Mr. Tompkins asked as follow up question on cross contamination. Mr. Ferry explained there will not be cross contamination zones. TEC-Weston is using sonic drilling. There is no rotary and the advancing casing with this type of drilling seals off the zones.

Kevin Palombo of the Ohio EPA asked who review the archeological study or geophysics. The Ohio State Historic Prevention Office reviewed the Archeological Study in accordance with current state and federal regulations.

Sarah Lock of Paris Township asked Mr. Ferry to be more specific in what is meant by "fill in data gaps." He explained that many of the monitoring wells are concentrated in areas based on historic areas of concern. There is a large data gap in the well network throughout the middle of Camp Ravenna. Not an analytical gap but physical gap of space between well clusters. Filling in these physical gaps will allow the Army to better address migration of groundwater.

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Mrs. Lock asked if the new well locations were following migration or just picked to address physical gaps. Mr. Ferry answered that the placement of new wells addresses both. They will follow problem areas and address spatial gaps.

Mrs. Lock then asked if there was a map of the new monitoring well locations for the Background Study and Remedial Investigation (RI). Mr. Ferry stated that one of the objectives in the RI is placement of new wells to address migration concerns and new wells for the interior of Camp Ravenna. Katie Tait, Ohio Army National Guard Environmental Specialist, added that the Draft Remedial Investigation Report is being reviewed by the Ohio EPA and is available on the Restoration website ([www.rvaap.org](http://www.rvaap.org)).

Tom Tadsen (Franklin TWP) reminded the RAB that the Army made a commitment to follow any evidence of migration or concern and address it accordingly.

This concluded questions on the Groundwater and Environmental Investigation Services presentation. Tom Tadsen then asked for any further questions and there were no responses. Mr. Tadsen reminded the board the next RAB meeting will be 21 September 2016 at 6 PM at Portage County Office of Homeland Security and Emergency Management.

The meeting was adjourned by Tom Tadsen at 7:12 p.m.

Respectfully submitted,

Rebecca Shreffler, RVAAP RAB Administrator