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Ravenna Army Ammunition Plant Restoration Advisory Board (RAB) Meeting 7 Nov 2018

1. Call to Order

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 6:08 p.m. Wednesday, November 7, 2018 at the Charlestown Township Hall, 6375 Rock Springs Road, Ravenna OH 44266.

Meeting attendance was recorded as 17 members present, 3 excused absent and 3 unexcused absent. Public attendance was recorded at 7.

2. General Business

Tom Tadsen of Franklin Township started the meeting with a moment of silence for RAB members Sue Boles and Tom Smith who passed away this year. Both had been on the board for many years and will be missed.

Following the moment of silence Mr. Tadsen asked if everyone received and had a chance to review the minutes from the last meeting. Bill Steiner of Randolph Township made a motion to suspend with the reading of the previous meeting's minutes and they be approved as presented. The motion was seconded by George Tompkins of Paris Township. Mr. 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. Mr. 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.

The next order of business was discussion of vacant board positions. There are 2 general public vacancies on the board. There are currently only 3 individuals who have completed interest surveys. The membership committee will meet to discuss and select candidates to fill the 2 vacancies. An announcement of those candidates selected will be made to the current board members via email. As always interest surveys are available and can be obtained at www.rvaap.org or by contacting Rebecca Shreffler, Chenega Tri-Services, RAB Administrator, at 330-872-4411 or rmshreffler@chenega.com.

The next order of business was scheduling the next meeting. Tom Tadsen Community Co-Chair suggested next meeting be held on Wednesday, May 22, 2019 at 6:00PM. The board had no objections or conflicts with this date. MAJ Shaun Robinson, Camp James A. Garfield Post Commander, suggested the next board meeting be held in the soon to be completed new post headquarters building. This meeting will be on the facility and require advanced access arrangements. To attend this meeting please contact the RAB Administrator Rebecca Shreffler, Chenega Tri-Services, at 330-872-4411 or rmshreffler@chenega.com. Meeting materials will be posted closer to the meeting date.

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MAJ Shaun Robinson, Camp James A. Garfield Post Commander, also took a moment to discuss the recent name change of the facility. The former Camp Ravenna was renamed Camp James A. Garfield Joint Military Training Center, CJAG for short, in a ceremony held on Thursday October 18, 2018. In his speech at the ceremony Major General John Harris, Assistant Adjutant General of the Ohio Army National Guard, gave an overview of the reasons for the name change and the vision of the Ohio Army National Guard for CJAG moving forward. MAJ Robinson explained the renaming does not discard the history associated with the site, rather is meant to create a fresh break and emphasis the new mission moving forward. There have been many improvements to the facilities at Camp James A. Garfield, increasing its capabilities as a regional training site.

3. Safety Minute

Following the general business discussion Mrs. Katie Tait, OHARNG Restoration Program Representative at Camp James A. Garfield, gave the safety minute discussion. With the Thanksgiving holiday approaching, the safety minute reviewed wishbone safety. PowerPoint slides of the presentation can be found at www.rvaap.org.

4. Investigation Update for CC RVAAP-69 Bldg. 1048 Fire Station, Ed Heyse, Parsons

Ed Heyse of Parsons presented an investigation update for CC RVAAP-69 Bldg. 1048 Fire Station. To request a copy of the formal presentation please contact the RVAAP RAB Administrator at (330) 872-4411, rmshreffler@chenega.com or visit www.rvaap.org.

Following the presentation Tom Tadsen (Franklin TWP) opened the floor for questions by RAB Members.

Kevin Palombo, Ohio EPA representative to the RAB, asked if the historical study mention if there was any carbon tetrachloride (CCl₄) stored in tanks or containers on site. Mr. Heyse said there was no indication there was every any carbon tetrachloride stored on site, just bulb extinguishers that were serviced behind the building.

Mr. Palombo pointed out most of the carbon tetrachloride hits were located under the building footprint. Tom Tadsen (Franklin TWP) stated he believed brass tanks were serviced and cleaned on the site before being scrapped. Mr. Heyse stated the only available historical information comes from interviews of former personnel. It is possible tanks or containers could have been present however currently it can't be confirmed.

Mr. Palombo then asked about the high carbon tetrachloride hit in one of the monitoring wells. Mr. Heyse stated this well has subsequently been sampled several times and have not repeated the high values.

Eileen Mohr, Kent, asked what analytes were included when samples from the temporary wells were tested. Mr. Heyse explained samples were tested for carbon tetrachloride and known decay products to determine placement of the more permanent monitoring wells. Ms. Mohr then asked if the soil samples taken within the site were tested for analytes other than carbon tetrachloride and known decay products. Soil samples taken on site were

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sampled for the same analytes as the temporary wells. Ms. Mohr asked if the monitoring wells being installed would be tested for a full suite of analytes. Mr. Heyse explained future samples for the site would only be tested for analytes previously identified and known decay products.

Ms. Mohr also asked what concentration the groundwater sample results were presented in as there was no legend on the figures. Groundwater results were presented as parts per billion (ppb).

It was said during the presentation there are 3 wells in the brown clay layers, 1 in the Sharon sandstone and there was no contamination on the bedrock and grey clay. Ms. Mohr asked if this statement was premature with the small sample pool. Mr. Palombo stated there are Facility-Wide Groundwater Monitoring wells down gradient from the wells on site and that have had several rounds of sampling and no hits for carbon tetrachloride.

Ms. Mohr asked if any of the new wells to be installed would be in the bedrock. Mr. Heyse stated at this point the planned path forward was to continue sampling from the brown and grey clay layers. If there any carbon tetrachloride is detected, then deeper samples will be taken.

James Mayer (Garrettsville Village) asked how the wells were drilled. Mr. Heyse said it was by direct push and they use soil borings to determine how thick the soil layers are. Mr. Mayer's followed up with a question was how contamination is kept from spreading between soil layers to the groundwater while boring?

Mr. Mayer stated he has a long history with the fire station and as he recalls in the back corner of the building there was a recharging station where brass canisters were recharged. Mr. Palombo asked Mr. Mayer if he could recall any drums being stored inside the building. Mr. Mayer had no recollection of any drums and asked if there were any other industrial uses for carbon tetrachloride, like as a cleaning agent or refrigeration. Mr. Heyse wasn't sure, but it has been tested for at all sites and is included in the full suite of analytes tested for on site.

Mr. Mayer asked how the test result values for Bldg. 1048 Fire Station compare to any known sampling at other industrial sites. This was unknown, but Mr. Palombo said it is widely tested for but unusual to be found in Ohio. Mr. Mayer then asked what the concentration unit used for soil and drinking water. In this case it was parts per million (PPM) in soil and milligrams per liter (mg/L) in drinking water. Facility-Wide Clean Up Goals for carbon tetrachloride are 0.65 PPM in soil and 5 mg/L in drinking water.

Mr. Mayer's asked if the site requires remediation, and what the Army has planned if remediation is required. Mr. Heyse explained there are many remediation options that will be considered once the investigation reaches that stage, but right now the focus is to determine the extent of contamination and make recommendations from there.

Mr. Mayer then asked if pumping and treating the wells would be an option. Mr. Heyse explained with these wells this is not a good option. These wells are relatively shallow and do not produce high volumes of water. There is more concern in the soil and pumping the wells until they are dry they may collapse.

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Mr. Heyse further explained the CERCLA process applied to this site. This stage is the Remedial Investigation. The purpose of this stage is to define the nature and extent of the contamination and the associated risks. If action is needed the site will move on to a Feasibility Study to determine potential treatment options and associated costs. This will be presented to the public in a Proposed Plan where the public can review the cleanup options and provide input on the selected remedy.

Tom Tadsen (Franklin Township) added public stakeholders get involved at the Proposed Plan phase. The public viewpoint can provide different aspects and other valuable information to other stakeholders.

Community Co-Chair Tom Tadsen asked if there were any further questions or discussion. There was no response. This concluded the discussion of the CC RVAAP-69 Bldg. 1048 Fire Station presentation.

5. Other General RAB Business

Community Co-Chair Tom Tadsen then opened the floor for any further general RAB business. He then reminded the board that they need to be thinking about the future composition of the board and the need for the board. The restoration program has made a lot of progress, therefore the need for the board is dwindling. This is evident by the decrease in meetings per year and discussion topics. It will be up to the board to determine when disbanding is necessary. He suggested the meetings be kept at the scheduled 2 meetings per year for the foreseeable future. Ms. Katie Tait, OHARNG, added there are multiple sites that are reaching the public meeting phase of the remediation process. Attending these meetings and staying informed are addition ways for the RAB members to continue to stay active in the process.

There was no further comments, discussion or general business topics.

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

Respectfully submitted,

Rebecca Shreffler, RVAAP RAB Administrator