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NSA CRANE
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EMAIL AND THE U S EPA REGION V RESPONSE TO COMMENTS REGARDING THE
PASSIVE TREATMENT SYSTEM AT SPRINGS A AND C FOR THE CORRECTIVE
MEASURES PROPOSAL SOLID WASTE MANAGEMENT UNIT 3 (SWMU 3) AMMUNITION
BURNING GROUNDS NSA CRANE IN
07/17/2015
U S EPA REGION V CHICAGO IL

Cohen, Deborah

From: Ramanauskas, Peter <ramanauskas.peter@epa.gov>
Sent: Friday, July 17, 2015 9:43 AM
To: Brent, Thomas CIV NAVFAC MIDLANT, PWD Crane
Cc: Cole, Linda L CIV NAVFAC MIDLANT, IPTNE; Cohen, Deborah; Basinski, Ralph; Lyons, Karen; DOUG GRIFFIN
Subject: RE: SWMU 3 CMP "FINAL" RTC - PASSIVE TREATMENT FOR SPRING DISCHARGE

Hi Tom,

Thanks for the response. I went back through some of my old messages to refresh myself on this. In an email from 11/16/11 regarding the Revised SWMU 3 SAP & RTC, I had asked that "given the groundwater and subsequent surface water explosives impacts from SWMU #3, we believe the Navy should evaluate control of affected spring discharges at low-flow conditions in lieu of a migration to groundwater soil remedial goal."

Tetra Tech's analysis of a passive treatment system for Springs A & C seems to conclude that the high-flow events would wash out any treatment wetlands or carbon bed placed in the creek. While this is most likely true, I was thinking more along the lines of only a low-flow, gravity operated passive treatment system. For example, routing the base-flow to some equalization tank feeding a carbon filter. Once flow would exceed "X" GPM, it would bypass the system. The memo states that low-flow conditions are only a few GPM.

Given that Spring A seems to have the most elevated detections of RDX, please evaluate what it would take to set up a passive treatment system at Spring A that either would not be washed away or would be installed in early summer and removed in late fall or something of the sort. Please perform this evaluation using available flow & concentration data to roughly determine what size equipment may be needed and what type of operation would be feasible.

Let me know if you'd like to discuss.

Thanks,
Pete

-----Original Message-----

From: Brent, Thomas CIV NAVFAC MIDLANT, PWD Crane [mailto:thomas.brent@navy.mil]
Sent: Wednesday, May 27, 2015 11:37 AM
To: Ramanauskas, Peter
Cc: Cole, Linda L CIV NAVFAC MIDLANT, IPTNE; Cohen, Deborah; Basinski, Ralph; 'Lyons, Karen'
Subject: SWMU 3 CMP "FINAL" RTC - PASSIVE TREATMENT FOR SPRING DISCHARGE

Pete,

Based upon conversations during your September 2014 trip to Crane, the understanding was that the remaining issue regarding approval of the SWMU 3 CMP concerns evaluating the viability of treatment options for the Spring discharges. As such, we're submitting the attached in hopes of finally resolving the issue. Please review and let us know if this satisfies your comment.

Sincerely,
Tom