

St. Juliens Creek Annex Restoration Advisory Board Meeting Summary: June 1, 2023 Site Visit Meeting

MEETING ATTENDEES	LeAnn Moran, NAVFAC Mid-Atlantic Robert Stroud, EPA Region 3 William (Weel) Lindsay, VDEQ Kathryn Smith, CH2M HILL, Inc. (CH2M) Christian Conover, CH2M	Bob Mann, RAB Community Co-Chair and Representative of Geneva Shores Pam Boatwright, Elizabeth River Project Dennis Long, RAB Member
LOCATION	St. Juliens Creek Annex	
MEETING DATE:	June 1, 2023	
PREPARED BY	Kathryn Smith/CH2M	
MINUTES DATE:	October 20, 2023	

Restoration Advisory Board Welcome and Introductions

The St. Juliens Creek Annex (SJCA) Restoration Advisory Board (RAB) conducted site visits on June 1, 2023. Ms. LeAnn Moran led the site visits. The RAB visited Site 2, Site 4, and Site 21, as well as the compensatory wetland area at former Site 19. A presentation was passed out to attendees that documented the site history and background, as well as recently completed and ongoing activities at each site for Site 2, Site 4, and Site 21. In addition, the RAB discussed the upcoming SJCA Five-Year Review which has been started and is currently being conducted and will be finalized in 2025, and discussed the ongoing per- and polyfluoroalkyl substances (PFAS) site inspection. A copy of the presentation is provided as **Attachment 1**.

Next Meeting

The next RAB meeting is scheduled for May 2024, and will consist of the site visits.

Meeting Adjourned

Attachment 1

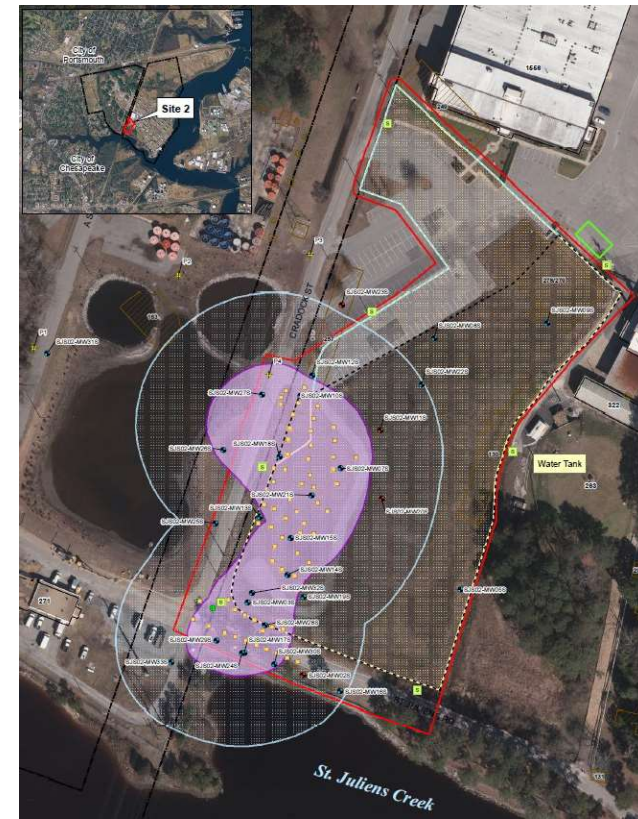


St. Juliens Creek Annex Restoration Advisory Board Meeting

June 1, 2023

Site 2: Waste Disposal Area B

- Site 2 in the southwestern portion of SJCA
- Record of Decision (ROD) was signed in 2011 and documented the selected remedy
- Remedy consists of:
 - Soil cover over waste and contaminated soil and inlet sediment
 - Resulted in building a compensatory wetland mitigation area within former Site 19
 - Excavation and disposal of sediment from St. Juliens Creek
 - Enhanced reductive dechlorination (ERD) within target areas of the shallow aquifer groundwater
 - Currently consists of emulsified vegetable oil (EVO) injections and bioaugmentation
 - Monitored natural attenuation (MNA) within low concentration target areas of the shallow aquifer groundwater
 - Land use controls (LUCs), including installation of signs
 - Permeable reactive barrier (PRB) contingency option (not utilized to date)



Site 2: Waste Disposal Area B

- **Recently Completed and Ongoing Activities:**

- **Remedial Action-Operations (RA-O) Groundwater Monitoring**

- Conducted Event 15 in November 2022
 - Conducted Event 16 in May 2023
 - Next event (Event 17) scheduled for November 2023

- **Land Use Control (LUC) Site Inspections (SI)**

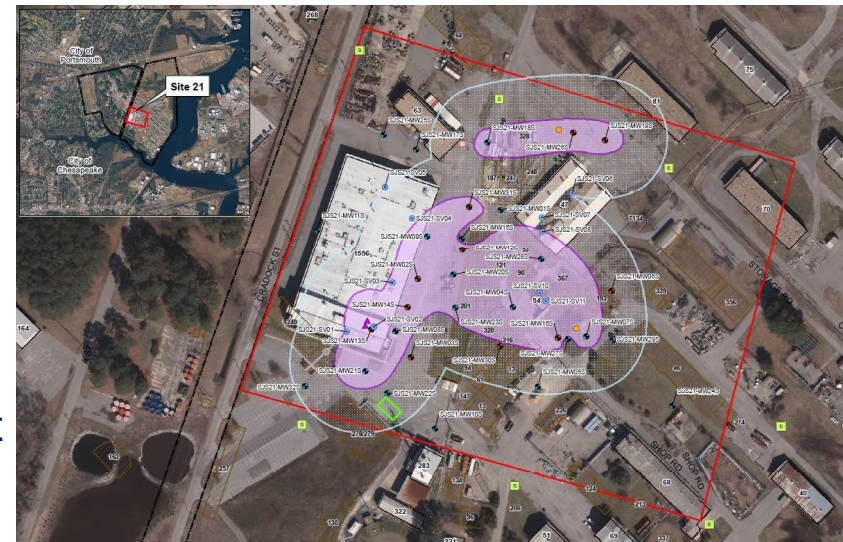
- Conducted annually; last event conducted in December 2022
 - Next event scheduled for December 2023

- **Treatability Study**

- Currently preparing the Site 2 Treatability Study Sampling and Analysis Plan to evaluate injection of zero-valent iron (ZVI) to treat constituents of concern (COC) at Site 2

Site 21: Industrial Area

- Site 21 in the central portion of SJCA
- Record of Decision (ROD) was signed in 2011 and documented the selected remedy
- Remedy consists of:
 - In-Situ Chemical Reduction (ISCR) within target areas of the shallow aquifer groundwater
 - Consisted of zero-valent iron (ZVI) injections
 - Enhanced reductive dechlorination (ERD) within target areas of the shallow aquifer groundwater
 - Currently consists of emulsified vegetable oil (EVO) injections
 - Land use controls (LUCs), including installation of signs

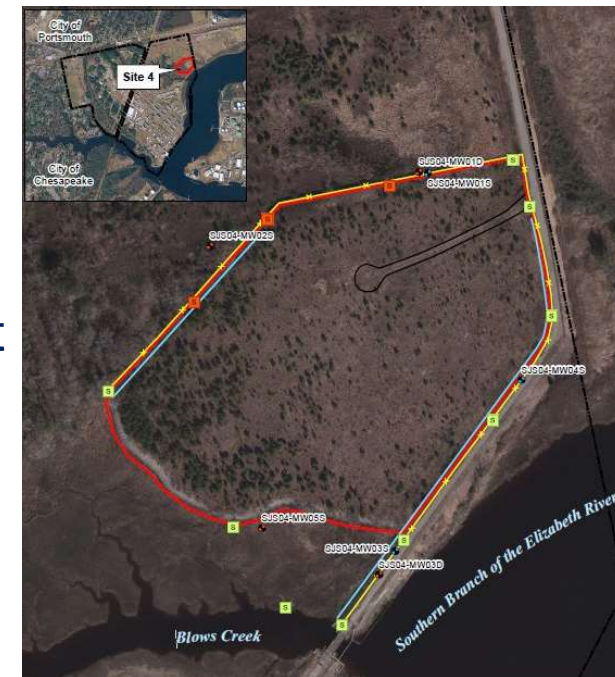


Site 21: Industrial Area

- **Recently Completed and Ongoing Activities:**
 - **Remedial Action-Operations (RA-O) Groundwater Monitoring**
 - Conducted Event 21 in November 2022
 - Conducted Event 22 in May 2023
 - Next event (Event 23) scheduled for November 2023
 - **Land Use Control (LUC) Site Inspections (SI)**
 - Conducted annually; last event conducted in December 2022
 - Next event scheduled for December 2023

Site 4: Landfill D

- Site 4 in the northeastern portion of SJCA
- Record of Decision (ROD) was signed in 2004 and documented the selected remedy
- Remedy consists of:
 - Soil cover over waste and contaminated soil and inlet sediment
 - Excavation and disposal of sediment from drainage ditches
 - Land use controls (LUCs), including installation of signs



Site 4: Landfill D

- **Recently Completed and Ongoing Activities:**

- **Land Use Control (LUC) Site Inspections (SI)**

- Conducted annually; last event conducted in December 2022
- Next event scheduled for December 2023

- **Five-Year Review Groundwater Sampling**

- Currently preparing to conduct groundwater sampling in association with the next Five-Year Review (FYR) for SJCA

SJCA Five-Year Review



- The Five-Year Review (FYR) is conducted once every five years for sites that have Record of Decisions (RODs) in place
- Sites evaluated as part of the SJCA FYR are:
 - Site 2
 - Site 4
 - Site 21
- The Fourth FYR evaluation period is currently ongoing
- The FYR will be finalized in May 2025

PFAS Site Inspection

- Per- and Polyfluoroalkyl Substances (PFAS) Site Inspection (SI) is currently ongoing
- The Sampling and Analysis Plan (SAP) and field work have been completed.
- Report is currently being prepared
- Five grouped areas were investigated:
 - Regional Fire Training Academy
 - Building M-5
 - Site 5 – Burning Grounds Group which includes a Potential Fire Training Area
 - Site 15 – Fire Training Area Group which includes Building 271- Former Fire Station
 - Site 21 – Industrial Area including Site 9, Building 249, and Building 104

