

Air Force Installation & Mission Support Center



Joint Base Elmendorf-Richardson (JBER)
Radium at Spill Site 22 (SS022)
Defense Reutilization and Marketing Office
(DRMO)

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SS022 Background



- **The site is a 46-acre DRMO facility that has stored and handled materials since the 1950s**
- **JBER is on the National Priorities List (NPL) and SS022 is the designation of the CERCLA site addressing 28 physical anomalies containing waste materials**



Location

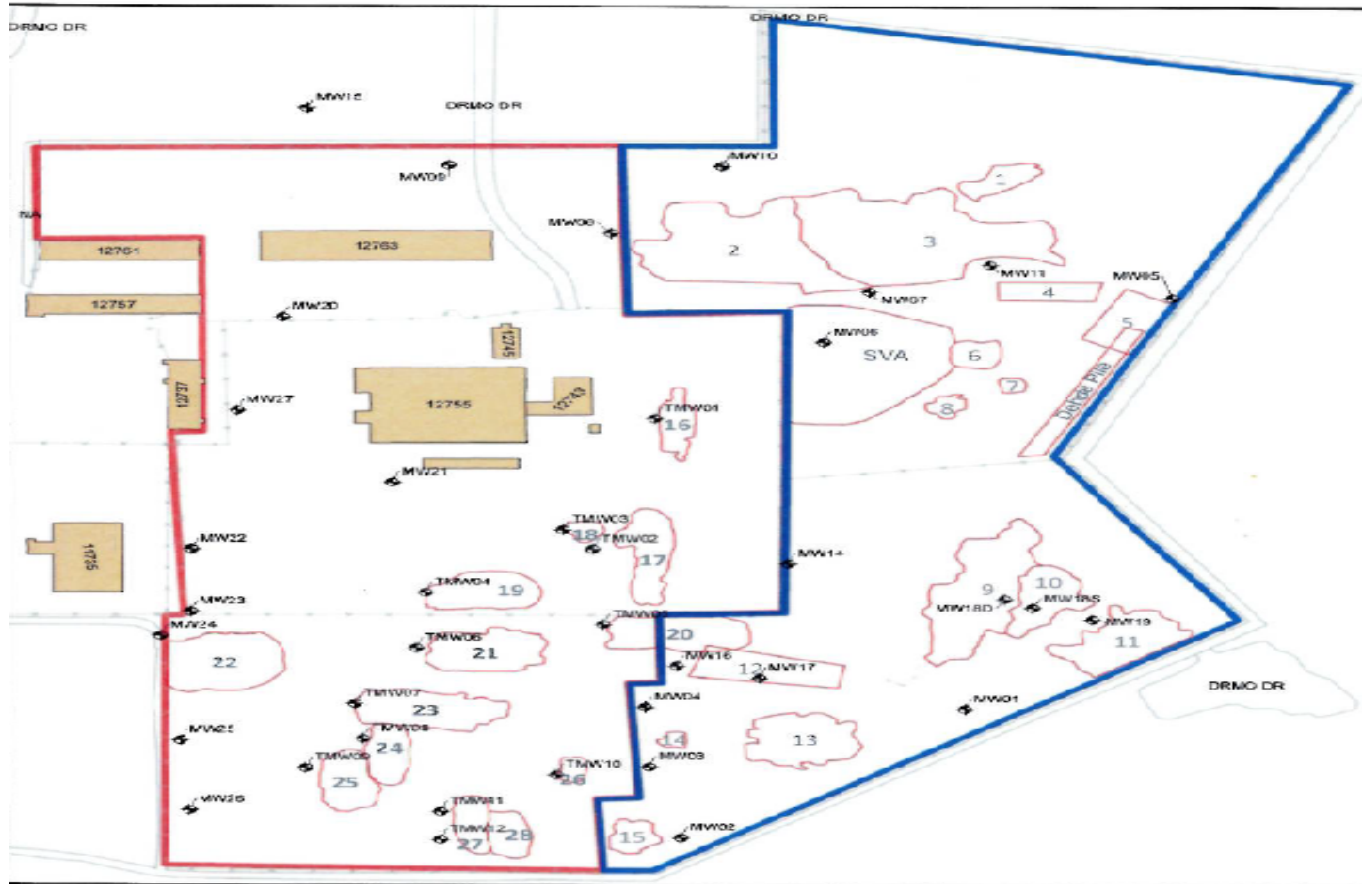


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Anomalies



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SS022 Investigations



- A Remedial Investigation/Feasibility Study (RI/FS) started in 2009 but stalled when state and federal regulatory agencies required additional investigation
 - Radiological surveys were conducted at each anomaly in 2009 & 2010 in accordance with MARSSIM
 - Investigatory trenches in anomalies demonstrated discrete Ra-226 sources are present that cannot be detected by walkover gamma surveys
 - 27 radioactive items (gauges, lamp switches, radio parts) and associated soil were removed from anomalies 3,19, 20, 23, 24, 25, 27 & 28 and shipped by Bioenvironmental to Wright-Patterson
- A supplemental RI/FS, started in 2017, may also stall due to potential per- and polyfluoroalkyl substances (PFAS) impacts from aqueous film forming foam (AFFF) that are being investigated under an installation-wide RI/FS



Control Measures



- Air Force maintains a radioactive permit for SS022 which requires:
 - Annual audit of records
 - Annual site inspection of SS022
 - Results briefed to the JBER Radiation Safety Officer and permittee
- Digging at the site is restricted
 - All digging on JBER requires approval
 - JBER Restoration is one of the approval authorities