



DEPARTMENT OF THE AIR FORCE
AIR FORCE CIVIL ENGINEER CENTER
JOINT BASE SAN ANTONIO LACKLAND TEXAS

3 December 2019

MEMORANDUM FOR DISTRIBUTION

FROM: AFCEC/CZOP
10471 20th Street, Suite 345
JBER, AK 99506-3221

SUBJECT: Incorporation of CG111 – Johnson Avenue Plume into the JBER-Elmendorf
(JBER-E) Federal Facility Agreement (FFA)

1. CG111 is located south of the intersection of Fighter Drive and Johnson Avenue. During a 2013 site investigation at CG521, an area of soil contaminated with diesel-range organics (DRO) and gasoline-range organics (GRO), primarily within the groundwater “smear zone,” was identified south of former underground storage tanks (USTs) 685 and 686. The contamination was thought to be unrelated to the CG521 source area and was investigated as a site characterization of CG111 in 2016.

2. Thirteen soil borings were advanced and sampled for both soil and groundwater, and two permanent groundwater monitoring wells were installed as part of a two-phase investigation. Borings were advanced up to 35 feet below ground surface (bgs) to assess the extent of contamination. Groundwater samples were collected via temporary well points installed at each soil boring location and from the two monitoring wells. All soil and groundwater samples were analyzed for petroleum hydrocarbons (DRO, GRO, and residual range organics [RRO]), polycyclic aromatic hydrocarbons (PAHs), petroleum-related volatile organic compounds (VOCs), and lead. Additional analysis including polychlorinated biphenyls (PCBs), the full suite of metals, and the full suite of VOCs (including low-level analysis in soil) were performed on select samples. The 2016 site characterization identified diesel range organics (DRO) and gasoline range organics (GRO) as contaminants in the soil, extending southwest along Johnson Avenue, primarily in the vadose zone (15’-25’ below ground surface [bgs]). The extent of contamination in soil is defined to the south by CG111-SB10, to the north by CG111-SB05, to the northwest by CG111-SB06, and to the east by CG111-SB11 and CG111-SB13. Contamination is not delineated to the southwest, in the area of CG111-SB09. The main soil source area begins at approximately 10 feet bgs, extends vertically to approximately 25 feet bgs, and covers an area of approximately 10.4 acres (approximately 1,100 feet long by 550 feet wide) for an approximate volume of 9,060,500 cubic feet or 335,600 cubic yards.

3. A groundwater plume in the eastern portion of the site consists of DRO and mercury above screening levels. Additionally, this site characterization identified DRO, 1,1,2,2-tetrachloroethane (PCA), 1,2,4-trimethylbenzene, 1,4-dichlorobenzene, 2-hexanone, benzene, naphthalene, trichloroethylene (TCE), and mercury as contaminants of concern in groundwater.

**JBER-Elmendorf
Federal Facility Agreement
Document Schedule
Incorporation of CG111 – Johnson Avenue Plume into FFA**

1. Based on site-specific information indicating that CERCLA contaminants are present in groundwater, the Project Managers agree that CG111 – Johnson Avenue Plume will be incorporated into the FFA as a new site subject to the stipulations listed in the FFA and Attachment 1 (effective 19 Sep 1991).

2. The following document schedule will be included as an attachment to the FFA:

<u>Document Type</u>	<u>Document</u>	<u>Date Due for Agency Review</u>
Primary	Draft RI/FS Management Plan	30 Aug 2021
Secondary	Draft RI Report	30 Aug 2022
Secondary	Draft FS Report	30 Aug 2023
Secondary	Draft Proposed Plan	28 Feb 2024
Primary	Draft Record of Decision	28 Feb 2025

3. This schedule may be updated or modified to include additional primary or secondary documents as necessary to meet FFA requirements

Please Circle One:

Please Sign and Date:

CONCUR / NON-CONCUR

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