

## Chronology of Key Events at Travis AFB

Date(s)	Event / Report
1983	Air Force initiated the IRP
November 1989	Travis AFB was placed on the National Priorities List
September 1990	The Federal Facility Agreement was signed
1994–1997	RIs completed at the NEWIOU and WABOU sites
1996	FS and PP completed for the NEWIOU sites
1998	FS and PP completed for the WABOU sites
1998	PP for soil, sediment, and surface water at the NEWIOU sites
February 2000	PP for soil at the WABOU sites
February 2003	West Treatment and Transfer Plan off-line for rebound study
July 2003	Travis AFB CIP updated
July 2003	Final Groundwater Five-Year Review Report (CH2M, 2003)
2003 to present	Annual inspections and reports on the status of LUCs at restoration sites
December 2005	Final Category IV No Further Remedial Action Planned Consensus Statement for Site SS041
April 2006	Travis AFB CIP updated
May 2006	Final NEWIOU Soil, Sediment, and Surface Water ROD (Travis AFB, ,2006)
December 2007	Rebound studies initiated at Sites FT004 and FT005 (partial shutdown of GET systems), and at Site SD031 (full GET system shutdown)
2007 to 2012	NEWIOU Soil and Sediment RAs completed (SD001, FT003, FT004, FT005, LF007E, SD033 for sediment only)
September 2008	Final Second Five-Year Review Report (CH2M, 2008)
October 2008	Site DP039 groundwater and vapor extraction system off-line for bioreactor sustainability study
December 2008	Rebound study initiated at Site LF008 (full GET system shutdown)
2008-2010	Vapor intrusion assessment conducted
January 2009	Site SS015 natural attenuation assessment
January 2009	ERD treatment demonstration using a bioreactor initiated at Site DP039
February 2009	Remaining Site FT004 extraction wells taken off-line for rebound study
August 2009	West Treatment and Transfer Plant SVE extraction system off-line for rebound study
2009 to 2011	Implementation of Remedial Process Optimizations
March 2010	RD/RA QAPP Update
April 2010	Rebound studies initiated at WIOU Sites SD033, SD034, SS035, SD036, SD037, SD043; West Treatment and Transfer Plan and Th/Ox taken off-line
June/July 2010	ERD treatment demonstration using an injected EVO PRB initiated at Site DP039
September 2010	ERD treatment demonstration using a bioreactor initiated at Site SS016

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October to December 2010	ERD treatment demonstration using EVO injections initiated at Sites SD036 and SD037
December 2010 to January 2011	ERD treatment demonstration using EVO injections initiated at Site SS015
October 2011	Final Focused Feasibility Study (CH2M, 2011)
October 2012	Final Proposed Plan for Groundwater Cleanup (Travis AFB, 2012)
2012 to present	Annual groundwater sampling and monitoring performed under GRIP and reported in annual GRISRs
February 2013	Final Vapor Intrusion Assessment Report Update (CH2M, 2013)
September 2013	Final Third Five-Year Review Report (ECI, 2013)
January 2014	GET system upgrades completed at Subarea LF007C to increase extraction rates and plume capture
June 2014	Final Groundwater ROD (Travis AFB, 2014)
February to June 2015	Bioreactor optimization measures performed at Site SS016 as part of final groundwater remedy implementation; included EVO injections
April 2015	Final Proposed Plan for the NEWIOU Soil, Sediment, and Surface Water ROD (Travis AFB, 2015)
April 2015	Final Proposed Plan for WABOU Soil ROD Amendment (Travis AFB, 2015)
April 2015	Post-ROD TD using EVO injections and recirculation initiated at Site SD031
May 2015	EVO injections performed at Site SD036 as part of final groundwater remedy implementation
June 2015	EVO injections performed at Site SD037 as part of final groundwater remedy implementation
June to July 2015	EVO injections performed at Site SS015 as part of final groundwater remedy implementation
October to November 2015	Installed gravel infiltration trench at Site DP039 phytoremediation area as part of final groundwater remedy implementation
December 2015	Final Site SS016 Remedial Action Construction Completion Report (CH2M, 2015)
December 2015	Final Sites SD036 and SD037 Remedial Action Construction Completion Report (CH2M, 2015)
January 2016	Final Site SS015 Remedial Action Construction Completion Report (CH2M, 2016)
January to July 2016	EVO injections performed at Site DP039 EVO PRB as part of final groundwater remedy implementation
May 2016	Post-ROD TD using EVO injections and recirculation initiated at Site FT004
May 2016	Post-ROD TD using EVO and bioaugmented EVO initiated at Site FT005
May 2016	EVO injections performed at Site DP039 bioreactor area as part of final groundwater remedy implementation
May to September 2016	Soil sampling conducted at Site SD031 in support of soil RI
June 2016	GET system upgrades completed at Subarea LF007C extraction well EW615x07 to increase extraction rates

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July 2016	DGI for soil performed at Sites SD043 and SD046 to support risk assessment and amendment to soil ROD
August 2016	DGI for soil performed at Site SD033 to support risk assessment and amendment to soil ROD
September 2016	DGI for soil performed at Site SS016 to support risk assessment and amendment to soil ROD
November 2016	Post-ROD TD using aerobic washboard SBGRs and iSOC gas probes initiated at Site SD034
November 2016	Post-ROD TD using bioaugmented EVO injections initiated at Site SD036
December 2016	Post-ROD TD using EVO and bioaugmented EVO injections initiated at Site ST027B
December 2016	Post-ROD TD using drywall SBGR initiated at Site SS014
January 2017	Final Site DP039 Remedial Action Construction Completion Report (CH2M, 2017a)
June to September 2017	Supplemental EVO injections performed at Site FT004 in support of post-ROD TD optimization
June to November 2017	Supplemental EVO injections performed at Site SS015 to optimize EVO remedy
September 2017	Supplemental EVO injections performed at Site SD036 to optimize EVO remedy
September to October 2017	Five additional extraction wells installed at Site FT005 to optimize GET remedy
September to October 2017	Site inspection conducted to evaluate the potential presence PFAS, which included collection of soil, sediment, and groundwater samples (OTIE 2018)
October 2017	Sediment sampling conducted at Site LF044 to support evaluation of LUCs removal from portions of the site
October to November 2017	Supplemental EVO injections performed at Site SD031 in support of post-ROD TD optimization
2017-2018	Fourth Five-Year Review conducted for groundwater and soil/sediment sites (Tetra Tech, 2019)
March 2018	Draft Updated Travis AFB CRP
July 2018	Supplemental EVO injections performed at Site FT005 to optimize EVO remedy
October 2019	EVO added to the bioreactor at Site DP039
August 2020	Nine monitoring wells and the underground conveyance pipeline was decommissioned at LF008
July 2021	Technology Demonstration Technical Memorandum (CH2M, 2021)
July 2021	Final Site SD031B POCO Additional Site Investigation Report (CH2M, 2021d)
September 2021	Vapor Intrusion Assessment Report (CH2M, 2021)
October 2021	Final Uniform Federal Policy Quality Assurance Project Plan for Phase I Remedial Investigation of Aqueous Film Forming Foam Areas (SRS 2021)
December 2022	Land Use Control Implementation Plan (Jacobs 2022)

Date(s)	Event / Report
August to September 2021	First Basewide RI sampling event to evaluate the potential extent PFAS, which included collection of groundwater samples (SRS 2022)
June to November 2022	Second Basewide RI sampling event to evaluate the potential extent PFAS, which included collection of surface and subsurface soil, surface water and sediment, and groundwater samples (SRS 2023)
March 2023	Final Uniform Federal Policy Quality Assurance Project Plan (FPM 2023)
May 2023	Final 2021 Annual Site LF007 Corrective Action Management Unit Inspection, Monitoring, and Maintenance Report (Jacobs and FPM, 2023)
May 2023	Final Subarea LF007C Groundwater Extraction System Optimization Work Plan (Jacobs and FPM, 2023)
June 2023	Final Site SD031 Data Gap Investigation Technical Memorandum (Jacobs and FPM, 2023)
June 2023	Final Sites SS015, SD036, SD037, and DP039 Groundwater Remedy Optimization Work Plan (Jacobs and FPM, 2023)
June to October 2023	Third Basewide RI sampling event to evaluate the potential extent PFAS, which included collection of surface and subsurface soil, pore water, and groundwater samples (SRS 2023)
October 2023	Final Site ST028 POCO Data Gap Investigation Work Plan (Jacobs and FPM, 2023)
January 2024	Final 2022 Annual Site LF007 Corrective Action Management Unit Inspection, Monitoring, and Maintenance Report (Jacobs and FPM, 2024)
February 2024	Final POCO Site SS014 Subsite 1 Remedial Action Report Addendum (Jacobs and FPM, 2024)

Notes:

AFB = Air Force Base

CH2M = CH2M HILL

CIP = Community Involvement Plan

CRP = Community Relations Plan

DGI = data gaps investigation

ECI = Endpoint Consulting, Inc.

ERD = enhanced reductive dechlorination

EVO = emulsified vegetable oil

FS = feasibility study

GET = groundwater extraction and treatment

GRIP = Groundwater Remediation Implementation Program

GRISR = Groundwater Remediation Implementation Status Report

IRP = Installation Restoration Program

iSOC = in situ submerged oxygen curtain

LUCs = Land Use Controls

NEWIOU = North, East, West Industrial Operable Unit

POCO = petroleum-only contaminated

PP = proposed plan

PRB = permeable reactive barrier

QAPP = Quality Assurance Project Plan

RAs = Remedial Actions

RD/RA = Remedial Design/Remedial Action

RI = remedial investigation

ROD = Record of Decision

SBGR = subgrade biogeochemical reactor (bioreactor)

SVE = soil vapor extraction

TD = technology demonstration

Th/Ox = thermal oxidation

WABOU = West/Annexes/Basewide Operable Unit

WIOU = West Industrial Operable Unit