

SMUD 59TH STREET CORPORATION YARD ENVIRONMENTAL REMEDIATION PROJECT ADMINISTRATIVE RECORD INDEX

(LAST UPDATED 8/12/2022)

Date	Author	Title/Subject	Comments
Documents Specific to the 59th Street Site			
11/11/1986	URS Corporation	UST Investigation Summary Report	Documents limited investigation conducted for the UST excavation at the Tool Issue Building.
7/31/1989	Ecology and Environment, Inc.	CERCLA Screening Site Inspection, SMUD Corporation Yard	Documents site inspection performed on behalf of USEPA to determine whether site is eligible for listing on the National Priorities List (NPL). The report concluded the site is not eligible for listing on the NPL. Document referenced in IRAW.
11/17/2004	SMUD	UST Removal Report, SMUD, 1708 59 th Street, Sacramento, California	Documents removal three USTs associated with the Garage Building and Tool Issue Building and soil confirmation sampling results.
1/6/2012	Environmental Data Resources, Inc.	Certified Sanborn® Map Report, 1708 59 th Street, Sacramento, CA 95819	Supporting document for Phase I Site Assessment (Preliminary Assessment).
1/6/2012	Environmental Data Resources, Inc.	The EDR-City Directory Abstract, 1708 59 th Street, Sacramento, CA 95819	Supporting document for Phase I Site Assessment (Preliminary Assessment).
1/6/2012	Environmental Data Resources, Inc.	The EDR Historical Topographic Map Report, 1708 59 th Street, Sacramento, CA 95819	Supporting document for Phase I Site Assessment (Preliminary Assessment).
1/6/2012	Environmental Data Resources, Inc.	The EDR Radius Map™ Report with GeoCheck®, 1708 59 th Street, Sacramento, CA 95819	Supporting document for Phase I Site Assessment (Preliminary Assessment).
1/10/2012	Environmental Data Resources, Inc.	The EDR Aerial Photo Decade Package, 1708 59 th Street, Sacramento, CA 95819	Supporting document for Phase I Site Assessment (Preliminary Assessment).
7/16/2012	California DTSC	Resource Conservation and Recovery Act Facility Assessment Transmittal Letter	Letter from Paul Ruffin (DTSC) to Patrick Durham (SMUD) for the Final RCRA Facility Assessment Report
7/16/2012	California DTSC	Resource Conservation and Recovery Act Facility Assessment, Sacramento Municipal Utility District Corporation Yard	Assessment of SWMUs and AOCs. Identifies SWMUs and AOC requiring investigation. Available on EnviroStor website.
2/3/2014	Kleinfelder	Workplan for Oil/Water Separator Hydrostatic Testing, Garage Building and Treated Wood Waste Area, 59 th Street Corporation Yard, Sacramento, California	
2/13/2014	Patrick Durham (SMUD)	Corrective Action Consent Agreement Update	Letter from Patrick Durham (SMUD) to Mellan Songco (DTSC) questioning why a Corrective Action Consent Agreement was needed. This letter is referenced in DTSC letter dated 4/1/2014.
3/6/2014	Kleinfelder	Oil/Water Separator Hydrostatic Testing Report, Garage Building and Treated Wood Waste Area, 59 th Street Corporation Yard, Sacramento, California	Available on EnviroStor website.
4/1/2014	Jose Salcedo (California DTSC)	DTSC Response to Sacramento Municipal Utility District (SMUD) Corrective Action Consent Agreement Update Letter Dated February 13, 2014, SMUD Corporation Yard, 1708 59 th Street, Sacramento (Site Code: 100402)	Letter from Jose Salcedo (DTSC) to Patrick Durham (SMUD) responding to SMUD's letter questioning why a Corrective Action Consent Agreement was needed.
8/5/2014	Dustin La Vallee (SMUD)	Submittal of UST Removal Report, SMUD Corporation Yard, 1708 59 th Street, Sacramento, CA	UST Removal Report Transmittal letter from Dustin La Vallee (SMUD) to Johnathon Pollack (Sacramento County EMD)
8/5/2014	Kleinfelder	Underground Storage Tank Removal Report, 1708 59 th Street (Corporation Yard), Sacramento, California	Report documenting removal of three USTs at former fueling station.
11/17/2014	Perry Myers (California DTSC)	Oil/Water Separator Hydrostatic Testing Report, SMUD 59 th Street Corporation Yard, Sacramento, California (Site Code 100402-33)	DTSC comments to Oil/Water Separator Hydrostatic Testing Report. Available on EnviroStor website.
1/28/2015	California DTSC and SMUD	Corrective Action Consent Agreement, Docket HWCA P1-13/14-007	Corrective action agreement between DTSC and SMUD. Available on EnviroStor website.
4/21/2015	SMUD	Progress Report for Corrective Action Consent Agreement Docket HWCA P1-13/14-007	Corrective action progress report for February 25, 2015 – March 25, 2015 reporting period. Available on EnviroStor website.
5/4/2015	Kleinfelder	Draft Phase II Environmental Site Assessment Workplan (Work Plan), 1708 59 th Street, Sacramento, California	Work plan for Phase II ESA. Referenced in the Phase II ESA Report.
5/14/2015	SMUD	Progress Report for Corrective Action Consent Agreement Docket HWCA P1-13/14-007	Corrective action progress report for March 26, 2015 – April 25, 2015 reporting period. Available on EnviroStor website.
6/17/2015	Kleinfelder	RCRA Facility Investigation Workplan, SMUD Corporation Yard, Utility Pole Storage Area, DTSC Site Code: 100402, EPA ID#	Available on EnviroStor website.

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		CAD000625939, 1708 59th Street, Sacramento, California	
6/17/2015	SMUD	Progress Report for Corrective Action Consent Agreement Docket HWCA P1-13/14-007	Corrective action progress report for April 26, 2015 – May 25, 2015 reporting period. Available on EnviroStor website.
7/8/2015	Mellan Songco (California DTSC)	Approval of the Revised RCRA Facility Investigation Workplan, Sacramento Municipal Utility District (SMUD), SMUD Corporation Yard, Utility Pole Storage Area, 1708 59th Street, Sacramento, Sacramento County (Site Code 100402)	DTSC approval of RFI Work Plan.
7/14/2015	SMUD	Progress Report for Corrective Action Consent Agreement Docket HWCA P1-13/14-007	Corrective action progress report for May 26, 2015 – June 25, 2015 reporting period. Available on EnviroStor website.
8/24/2015	SMUD	Progress Report for Corrective Action Consent Agreement Docket HWCA P1-13/14-007	Corrective action progress report for June 26, 2015 – July 25, 2015 reporting period. Available on EnviroStor website.
11/4/2015	Mellan Songco (California DTSC)	Review of the RCRA Facility Investigation Report, Sacramento Municipal Utility District (SMUD), SMUD Corporation Yard, Utility Pole Storage Area, 1708 59th Street, Sacramento, Sacramento County (Site Code 100402)	DTSC review comments to RFI Report.
12/7/2015	Kleinfelder	RCRA Facility Investigation Report, SMUD Corporation Yard, Utility Pole Storage Area, DTSC Site Code: 100402, EPA ID# CAD000625939, 1708 59th Street, Sacramento, California.	
1/27/2016	Mellan Songco (California DTSC)	Approval of the RCRA Facility Investigation Report, Sacramento Municipal Utility District (SMUD), SMUD Corporation Yard, Utility Pole Storage Area, 1708 59th Street, Sacramento, Sacramento County (Site Code 100402)	DTSC approval of RFI Report. Available on EnviroStor website.
2/25/2016	Kleinfelder	Phase II Environmental Site Assessment Report, SMUD Corporation Yard, 1708 59th Street, Sacramento, California	
10/8/2018	California DTSC and SMUD	First Amendment to Corrective Action Consent Agreement, Docket HWCA P1-13/14-007	Amendment to CACA between DTSC and SMUD. Available on EnviroStor website.
10/11/2018	Jose Salcedo (California DTSC)	Fully Executed First Amendment to Enforceable Corrective Action Consent Agreement, Docket Number HWCA P1-13/14-007, Sacramento Municipal Utility District (SMUD), SMUD Corporation Yard, 1708 59 th Street, Sacramento, Sacramento County (Project Code 100402-48)	CACA Amendment transmittal letter from Jose Salcedo (DTSC) to Patrick Durham (SMUD).
11/28/2018	AECOM	Final Site Characterization Sampling and Analysis Plan, SMUD 59 th Street Corporation Yard	Presents sampling and analysis approach for soil and soil gas. Referenced in IRAW.
11/30/2018	California DTSC	Approval of the Site Characterization Sampling and Analysis Plan, Sacramento Municipal Utility District (SMUD), SMUD Corporation Yard, Utility Pole Storage Area, 1708 59 th Street, Sacramento, Sacramento County (Site Code 100402)	DTSC approval of SAP. Available on EnviroStor website.
1/16/2019	Subtronic Corp	Subsurface Investigation for UST's for AECOM at 1708 59 th Street, Sacramento, California	Documents geophysical investigation performed to search for possible USTs outside the Shops Building.
6/6/2019	AECOM	Indoor Air Sampling Summary Report, SMUD Building H, 1708 59 th Street, Sacramento, California, 95819	Contains indoor air sampling results for the Tool Issue Building.
12/2019	AECOM	Final Site Characterization Report, SMUD 59th Street Corporation Yard	Documents soil gas, soil, and groundwater investigation results. Referenced in IRAW. Available on EnviroStor website.
2/12/2020	AECOM	Phase I Environmental Site Assessment, SMUD 59 th Street Corporation Yard, 1708 59 th Street, Sacramento, Sacramento County, California 95819	Referenced in IRAW.
2/20/2020	Keegan George (SMUD)	SMUD 59th Street – Project Kick-Off and Request to Perform SVE Pilot Study	Meeting notes from subject meeting.
3/11/2020	Jose Salcedo (California DTSC)	Approval of the Site Characterization Report, Sacramento Municipal Utility District (SMUD), SMUD Corporation Yard, Utility Pole Area, 1708 59 th Street, Sacramento, Sacramento County,	DTSC approval of Site Characterization Report. Available on EnviroStor website.

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Date	Author	Title/Subject	Comments
		California (Site Code 100402).	
3/23/2020	AECOM	Soil Vapor Extraction Pilot Study Work Plan Technical Memorandum, SMUD 59th Street Corporation Yard, 1708 59th Street, Sacramento, California 95819	Work plan for SVE pilot test. Available on EnviroStor website.
6/22/2020	Keegan George (SMUD)	Notification of Additional Soil Sampling, SMUD 59th Street Corporation Yard	Notification letter from Keegan George (SMUD) to Jose Salcedo (DTSC) regarding additional soil sampling planned by SMUD to refine the extent of arsenic impacts to soil.
7/15/2020	Keegan George (SMUD)	Notification of Additional Soil Sampling, SMUD 59th Street Corporation Yard	Notification letter from Keegan George (SMUD) to Jose Salcedo (DTSC) regarding additional soil sampling planned by SMUD to refine the extent of arsenic impacts to soil.
8/18/2020	Keegan George (SMUD)	Notification of Oil/Water Separator Removal, SMUD 59th Street Corporation Yard	Notification letter from Keegan George (SMUD) to Jose Salcedo (DTSC) regarding removal of two oil/water separators (SWMUs #1 and #18).
8/25/2020	Keegan George (SMUD)	SMUD 59th Street – Oil/Water Separator Removal and Discussion of Vapor Intrusion	Meeting agenda containing notes from subject meeting with DTSC.
8/27/2020	Keegan George (SMUD)	Oil/Water Separator Removal Sampling Approach, SMUD 59th Street Corporation Yard	Letter from Keegan George (SMUD) to Jose Salcedo (DTSC) outlining the proposed confirmation soil sampling approach associated with removal of two oil/water separators (SWMUs #1 and #18).
10/7/2020	Keegan George (SMUD)	59th Street Remediation Project – Status Update Meeting with DTSC	Meeting agenda containing notes from subject meeting.
10/21/2020	Keegan George (SMUD)	59th Street Remediation Project – Status Update Meeting with DTSC	Meeting agenda containing notes from subject meeting.
11/2020	AECOM	Final Site Characterization Sampling and Analysis Plan Addendum, SMUD 59 th Street Corporation Yard	
11/2/2020	Keegan George (SMUD)	Notification of Additional Soil Sampling in and Around the Warehouse Building, SMUD 59th Street Corporation Yard	Notification letter from Keegan George (SMUD) to Jose Salcedo (DTSC) regarding additional soil sampling planned by SMUD to refine the extent of arsenic impacts to soil.
11/18/2020	Keegan George (SMUD)	59th Street Remediation Project – Status Update Meeting with DTSC	Meeting agenda containing notes from subject meeting.
11/25/2020	Keegan George (SMUD)	SMUD 59th Street – Building F Sample Results and Next Steps	Email from Keegan George (SMUD) to Jose Salcedo (DTSC) proposing next steps for cleanup associated with the Building F hydraulic lift removal effort and request for DTSC approval of the proposed next steps.
12/2/2020	Keegan George (SMUD)	59th Street Remediation Project – Status Update Meeting with DTSC	Meeting agenda containing notes from subject meeting.
12/16/2020	Keegan George (SMUD)	59th Street Remediation Project – Status Update Meeting with DTSC	Meeting agenda containing notes from subject meeting.
1/13/2021	Keegan George (SMUD)	59th Street Remediation Project – Status Update Meeting with DTSC	Meeting agenda containing notes from subject meeting.
1/14/2021	AECOM	Soil Vapor Extraction Pilot Study Summary Report, SMUD 59th Street Corporation Yard, 1708 59th Street, Sacramento, California 95819	Referenced in IRAW. Document is <u>not</u> available on EnviroStor website.
1/27/2021	Keegan George (SMUD)	59th Street Remediation Project – Status Update Meeting with DTSC	Meeting agenda containing notes from subject meeting.
2/17/2021	Keegan George (SMUD)	Notification of Additional Soil Sampling in and Around the Warehouse Building, SMUD 59th Street Corporation Yard	Notification letter from Keegan George (SMUD) to Jose Salcedo (DTSC) regarding additional soil sampling planned by SMUD to refine the extent of arsenic impacts to soil.
2/24/2021	Keegan George (SMUD)	59th Street Remediation Project – Status Update Meeting with DTSC	Meeting agenda containing project updates notes. Subject meeting was cancelled.
3/10/2021	Keegan George (SMUD)	59th Street Remediation Project – Status Update Meeting with DTSC	Meeting agenda containing notes from subject meeting.
3/24/2021	Keegan George (SMUD)	SMUD 59th Street – Attenuation Factors for Future Redevelopment	Meeting agenda containing notes from subject meeting.
4/7/2021	Keegan George (SMUD)	59th Street Remediation Project – Status Update Meeting with DTSC	Meeting agenda containing notes from subject meeting.
5/2021	AECOM	Draft Site Characterization Report Addendum, SMUD 59th Street Corporation Yard	Documents additional soil and soil gas sampling. Referenced in IRAW.
5/5/2021	Keegan George (SMUD)	59th Street Remediation Project – Status Update Meeting with	Meeting agenda containing notes from subject meeting.

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Date	Author	Title/Subject	Comments
		DTSC	
5/17/2021	Keegan George (SMUD)	59th Street Remediation Project – Status Update Meeting with DTSC	Meeting agenda containing notes from subject meeting.
6/2/2021	Keegan George (SMUD)	59th Street Remediation Project – Status Update Meeting with DTSC	Meeting agenda containing notes from subject meeting.
6/2/2021	Jose Salcedo (California DTSC)	Approval of the Soil Vapor Extraction Pilot Study Summary Report, Sacramento Municipal Utility District (SMUD), SMUD Corporation Yard, Utility Pole Storage Area, 1708 59 th Street, Sacramento, Sacramento County, California (Site Code 100402)	Approval letter from Jose Salcedo (DTSC) to Patrick Durham (SMUD). Available on EnviroStor website.
7/2/2021	AECOM	Building F Lift Removal and Soil Investigation Summary Report, Garage Building, SMUD 59th Street Corporation Yard, Sacramento, California	Referenced in IRAW. Available on EnviroStor website.
7/28/2021	Keegan George (SMUD)	59th Street Remediation Project – Status Update Meeting with DTSC	Meeting agenda containing notes from subject meeting.
8/11/2021	Keegan George (SMUD)	59th Street Remediation Project – Status Update Meeting with DTSC	Meeting agenda containing notes from subject meeting.
9/8/2021	Keegan George (SMUD)	59th Street Remediation Project – Status Update Meeting with DTSC	Meeting agenda containing notes from subject meeting.
10/27/2021	Keegan George (SMUD)	59th Street Remediation Project – Status Update Meeting with DTSC	Meeting agenda containing notes from subject meeting.
11/3/2021	Keegan George (SMUD)	59th Street Remediation Project – Status Update Meeting with DTSC	Meeting agenda containing notes from subject meeting.
11/17/2021	Keegan George (SMUD)	59th Street Remediation Project – Status Update Meeting with DTSC	Meeting agenda containing notes from subject meeting.
11/27/2021	Jose Salcedo (California DTSC)	Approval of the Oil and Water Separator Closure Report, Sacramento Municipal Utility District, Utility Pole Storage Area, 1708 59th Street, Sacramento, Sacramento County (Site Code 100402)	DTSC approval of OWS Closure Report.
11/2021	AECOM	Final Site Characterization Report Addendum No. 2, SMUD 59th Street Corporation Yard	Documents sub-slab vapor, sewer gas, and additional soil gas sampling. Referenced in IRAW.
11/4/2021	SMUD	AB52 Notification – SMUD Corporation Yard Remediation and Demolition Project	Letter from Rob Ferrera to Ms. Sara Dutschke Setshwaelo, Chairperson of the Lone Band of Miwok Indians
11/4/2021	SMUD	AB52 Notification – SMUD Corporation Yard Remediation and Demolition Project	Letter from Rob Ferrera to Ms. Regina Cuellar, Chairperson of the Shingle Springs Band of Miwok Indians
11/4/2021	SMUD	AB52 Notification – SMUD Corporation Yard Remediation and Demolition Project	Letter from Rob Ferrera to Mr. Gene Whitehouse, Chairperson of the United Auburn Indian Community of the Auburn Rancheria
11/4/2021	SMUD	AB52 Notification – SMUD Corporation Yard Remediation and Demolition Project	Letter from Rob Ferrera to Mr. Jesus Tarango, Chairperson of the Wilton Rancheria
12/1/2021	Keegan George (SMUD)	59th Street Remediation Project – Status Update Meeting with DTSC	Meeting agenda containing notes from subject meeting.
12/14/2021	Keegan George (SMUD)	59th Street Remediation Project – Status Update Meeting with DTSC	Meeting agenda containing notes from subject meeting.
1/2022	Ascent Environmental	Sacramento Municipal Utility District 59 th Street Remediation and Demolition Project, Draft Initial Study and Proposed Mitigated Negative Declaration	Draft IS/MND for public review.
1/26/2022	Keegan George (SMUD)	59th Street Remediation Project – Status Update Meeting with DTSC	Meeting agenda containing notes from subject meeting.
2/9/2022	Jose Salcedo (California DTSC)	Approval Building F Lift Removal and Soil Investigation Summary Report, Garage Building, Sacramento Municipal Utility District (SMUD), SMUD Corporation Yard, Utility Pole Storage Area, 1708 59th Street, Sacramento, Sacramento County, California (Site	DTSC approval of Building F Lift Removal Report. Available on EnviroStor website.

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		Code: 100402)	
2/9/2022	Keegan George (SMUD)	59th Street Remediation Project – Status Update Meeting with DTSC	Meeting agenda containing notes from subject meeting.
2/23/2022	Keegan George (SMUD)	59th Street Remediation Project – Status Update Meeting with DTSC	Meeting agenda containing notes from subject meeting.
3/2022	Mailing Systems, Inc. and AECOM	Public Outreach Mailing List	CONFIDENTIAL
3/9/2022	Keegan George (SMUD)	59th Street Remediation Project – Status Update Meeting with DTSC	Meeting agenda containing notes from subject meeting.
3/23/2022	Keegan George (SMUD)	59th Street Remediation Project – Status Update Meeting with DTSC	Meeting agenda containing notes from subject meeting.
4/4/2022	Ascent Environmental	Sacramento Municipal Utility District 59 th Street Remediation and Demolition Project, Final Initial Study and Proposed Mitigated Negative Declaration	
4/6/2022	Keegan George (SMUD)	59th Street Remediation Project – Status Update Meeting with DTSC	Meeting agenda containing notes from subject meeting.
5/18/2022	Pete Ruttan (California DTSC)	DTSC Review of Draft Interim Removal Action Workplan – March 2022, Sacramento Municipal Utility District (SMUD), 59th Street Corporate Yard, 1708 59th Street, Sacramento, Sacramento County, California (Site Code: 100402)	DTSC comments to Draft Interim RAW.
5/18/2022	Pete Ruttan (California DTSC)	DTSC Review of Site Characterization Report Addendum No. 2, SMUD 59th Corporation Yard, Final, and Site Characterization Report Addendum, SMUD 59th Corporation Yard, Draft, Sacramento Municipal Utility District, 1708 59th Street, Sacramento, Sacramento County, California (Site Code: 100402)	DTSC comments to SCR Addendum and SCR Addendum No. 2. Available on EnviroStor website.
5/24/2022	California DTSC	Community Survey	Community survey used by DTSC to develop the Community Profile.
6/13/2022	AECOM	Vapor Well Destruction Work Plan, SMUD 59th Street Corporation Yard, 1708 59th Street, Sacramento, California 95819	Available on EnviroStor website.
6/16/2022	Pete Ruttan (California DTSC)	DTSC Review of Vapor Well Destruction Work Plan, SMUD 59th Street Corporation Yard, 1708 59th Street, Sacramento, Sacramento County, California 95819 (Site Code 100402)	Work plan approval letter. Available on EnviroStor website.
6/22/2022	Pete Ruttan (California DTSC)	SMUD 59th Street – IRAW Responses to Comments	Email from Pete Ruttan (DTSC) to Keegan George (SMUD) indicating that SMUD's responses to DTSC comments to the Draft IRAW are acceptable.
6/29/2022	Keegan George (SMUD)	59th Street Remediation Project – Status Update Meeting with DTSC	Meeting agenda containing notes from subject meeting.
7/2022	California DTSC	Community Profile, Former Sacramento Municipal Utility District (SMUD) Corporation Yard (SCY), 1708 59th Street, Sacramento, Sacramento County California	
7/8/2022	SMUD	Sacramento Municipal Utility District, 59 th Street Corporation Yard, Revised Interim Removal Action Work Plan	IRAW for public review
8/2022	California DTSC	Community Update	Project Fact Sheet for IRAW
8/12/2022	California DTSC	IRAW Public Comment Period Notice	
Guidance Documents, Policies, Procedures, and Other References			
6/1/1990	C. David Willis (California DTSC)	Official Policy/Procedure #87-14, Development and Implementation of Land Use Covenants	California guidance for preparing land use restrictions. Note: DTSC is in the process of updating this document. https://dtsc.ca.gov/wp-content/uploads/sites/31/2018/07/SMBR_POL_OPP87-14.pdf
5/1991	USEPA Office of Emergency and Remedial Response	Management of Investigation-Derived Wastes During Site Inspections	IDW guidance referenced in RAW Appendix F (SAP). https://nepis.epa.gov/Exe/ZyPURL.cgi?Dockey=10001WN4.TXT
12/1991	USEPA Office of Emergency and Remedial Response	Risk Assessment Guidance for Superfund: Volume 1 – Human Health Evaluation Manual (Part B, Development of Risk-based Preliminary Remediation Goals). Interim Final. EPA/540/R-92/003	Human health risk assessment guidance https://www.epa.gov/risk/risk-assessment-guidance-superfund-rags-part-b
1/1992	USEPA Office of Emergency and Remedial	Guide to Management of Investigation-Derived Wastes	IDW guidance referenced in RAW Appendix F (SAP).

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1993-2015	Response, Hazardous Site Control Division USEPA Office of Solid Waste	Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, EPA publication SW-846, Third Edition, Final Updates I (1993), II (1995), IIA (1994), IIB (1995), III (1997), IIIA (1999), IIIB (2005), IV (2008), and V (2015) <ul style="list-style-type: none"> • Method SW6010B – Inductively Coupled Plasma-Atomic Emission Spectrometry • Method SW6020 – Inductively Coupled Plasma-Mass Spectrometry • Method SW7471A – Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Technique) • Method SW8082 – Polychlorinated Biphenyls (PCBs) by Gas Chromatography Guidance • Method SW8015 – Nonhalogenated Organics by Gas Chromatography • Method SW8270C – Semivolatile Organic Compounds by Gas Chromatography/Mass Spectrometry (GC/MS) 	https://semspub.epa.gov/work/HQ/130754.pdf Provides procedures and guidance for field and laboratory quality control, sampling, determining hazardous constituents in wastes, determining the hazardous characteristics of wastes, and for determining physical properties of wastes. https://www.epa.gov/hw-sw846/sw-846-compendium
6/7/1994	William F. Soo Hoo (California DTSC)	Management Memo #EO-94-004-MM, Identification of the Administrative Record	California guidance for establishing the Administrative Record https://dtsc.ca.gov/wp-content/uploads/sites/31/2018/07/eo-94-004-mm.pdf
3/1996	G. Bradford, A. Chang, A. Page, D. Bakhtar, J. Frampton, and H. Wright	Background Concentrations of Trace Metals and Major Elements in California Soils	Referenced in Site Characterization SAP. https://ucanr.edu/sites/poultry/files/297094.pdf
2/1997	California DTSC Human and Ecological Risk Division	Selecting Inorganic Constituents as Chemicals of Potential Concern at Risk Assessments at Hazardous Waste Sites and Permitted Facilities	Policy document for selecting inorganic constituents as chemicals of potential concern. Distinguishes between pristine conditions (natural background) and ambient conditions (local background). https://dtsc.ca.gov/wp-content/uploads/sites/31/2021/11/Background-Feb-1997-A.pdf
9/23/1998	California DTSC	Removal Action Workplans (RAWs)	https://dtsc.ca.gov/wp-content/uploads/sites/31/2018/09/SMP_POL_RAWGuidance.pdf
10/2001	California DTSC	Information Advisory, Clean Imported Fill Material	Guidance defining what is considered to be clean fill. Referenced in RAW Appendix F (SAP). https://dtsc.ca.gov/information-advisory-clean-imported-fill-material-fact-sheet/
2005	Garrett C. Struckoff, Joel G. Burken, and John G. Schumacher	Vapor-Phase Exchange of Perchloroethene between Soil and Plants	Article in <i>Environmental Science & Technology</i> about plant uptake of PCE in soil vapor. https://pubs.acs.org/doi/pdf/10.1021/es049411w
8/29/2008	California DTSC	Proven Technologies and Remedies Guidance, Remediation of Metals in Soil	Guidance for remediation of metals in soils. Appendix C3 contains sample RAW. https://dtsc.ca.gov/proven-technologies-remedies-documents/
1/16/2009	California DTSC	Arsenic Strategies, Determination of Arsenic Remediation, Development of Arsenic Cleanup Goals	DTSC's suggested approach for determining the need for arsenic remediation and developing arsenic cleanup goals. https://dtsc.ca.gov/wp-content/uploads/sites/31/2018/01/Arsenic-Cleanup-Goals-Jan09-A.pdf
10/2011	California DTSC	Guidance for the Evaluation and Mitigation of Subsurface Vapor Intrusion to Indoor Air (Vapor Intrusion Guidance)	https://dtsc.ca.gov/wp-content/uploads/sites/31/2022/06/Final_VIG_Oct_2011_ada.pdf
12/2011	Dylan Jacques Duvergé	Establishing Background Arsenic in Soil of the Urbanized San Francisco Bay Region	https://www.waterboards.ca.gov/sanfranciscobay/water_issues/available_documents/2011_Arsenic_Background_Duverge.pdf
6/2015	USEPA	OSWER Technical Guide for Assessing and Mitigating the Vapor Intrusion Pathway from Subsurface Vapor Sources to Indoor Air	https://www.epa.gov/sites/default/files/2015-09/documents/oswer-vapor-intrusion-technical-guide-final.pdf
7/2015	California EPA	Advisory – Active Soil Gas Investigations	https://dtsc.ca.gov/wp-content/uploads/sites/31/2021/11/VI_ActiveSoilGasAdvisory_FINAL_a.pdf
10/2015	California DTSC	Preliminary Endangerment Assessment Guidance Manual	California guidance for conducting a preliminary endangerment assessment https://dtsc.ca.gov/wp-content/uploads/sites/31/2018/01/PEA_Guidance_Manual.pdf
12/2018	R. Ettinger, S. Luis, N. Weinberg, T. McAlary, G. Plantz, H. Dawson, J. Sickenger	Empirical Analysis of Vapor Intrusion Attenuation Factors for Sub-Slab and Soil Vapor – An Updated Assessment for California Sites	Presents independent analysis of soil vapor attenuation factors for California sites. Presented at the Vapor Intrusion, Remediation, and Site Closure Conference. https://www.haleyaldrich.com/wp-content/uploads/2020/06/AWMA-Empirical_AF-4_CA_2018.pdf

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2/25/2019	California DTSC Human and Ecological Risk Office	HHRA Note 10, Toxicity Criteria	California's hierarchy for toxicity criteria https://dtsc.ca.gov/wp-content/uploads/sites/31/2019/02/HHRA-Note-10-2019-02-25.pdf
9/14/2021	California State Water Resources Control Board (SWRCB)	MCLs, DLRs, and PHGs for Regulated Drinking Water Contaminants	Source of California maximum contaminant levels for drinking water https://www.waterboards.ca.gov/drinking_water/certlic/drinkingwater/documents/mclreview/mcls_dlr_phgs.pdf
4/9/2019	California DTSC Human and Ecological Risk Office	HHRA Note 1, Recommended DTSC Default Exposure Factors for Use in Risk Assessment at California Hazardous Waste Sites and Permitted Facilities	California guidance for exposure factors that may be used as default values in human health risk assessments. https://dtsc.ca.gov/wp-content/uploads/sites/31/2021/10/HHRA-Note-1-April-2019-21A.pdf
7/25/2019	San Francisco Bay RWQCB	ESL Summary Tables	Source of soil screening levels. Referenced in the RAW for imported fill. https://www.waterboards.ca.gov/sanfranciscobay/water_issues/programs/esl.html
11/2019 11/2021	USEPA	Regional Screening Levels for Chemical Contaminants at Superfund Sites	Source of federal soil, tap water, and groundwater protection screening levels www.epa.gov/risk/regional-screening-levels-rsls-generic-tables
2/2020	California EPA	Public Draft Supplemental Guidance: Screening and Evaluating Vapor Intrusion	https://dtsc.ca.gov/wp-content/uploads/sites/31/2020/02/Public-Draft-Supplemental-VI-Guidance_2020-02-14.pdf
9/2020	B. Bosan, R. Abbasi, and D. Gallagher	What the AF? New California Attenuation Factor for Vapor Intrusion at Redevelopment Sites	Presentation from California Land Recycling Conference. Includes preliminary findings from DTSC study to determine a California-specific soil vapor attenuation factor.
Fall 2021	Parisa Jourabchi and Gary Kuo-Ching Lin	Modeling Vapor Migration for Estimating the Time to Reach Steady State Conditions	DTSC-recommended guidance for determine when soil gas contaminant steady-state conditions are achieved. https://ngwa.onlinelibrary.wiley.com/doi/abs/10.1111/gwmmr.12480
3/22/2021	R. Abbasi, D. Gallagher, and W. Bosan	Technical Aspects of Vapor Intrusion Evaluations at California Sites	Presentation from 30 th Annual International Conference on Soil, Water, Energy, and Air. Includes preliminary findings from DTSC study to determine a California-specific soil vapor attenuation factor.
3/29/2022	California DTSC Human and Ecological Risk Office	HHRA Note 4, Guidance for Screening Level Human Health Risk Assessments	California guidance for conducting screening-level human health risk assessments https://dtsc.ca.gov/wp-content/uploads/sites/31/2022/02/HHRA-Note-Number-4-March-2022-A-1.pdf
5/2022	California DTSC Human and Ecological Risk Office	HHRA Note 3, DTSC-Modified Screening Levels (DTSC-SLs)	Source of DTSC-modified soil and tap water screening levels https://dtsc.ca.gov/wp-content/uploads/sites/31/2019/04/HHRA-Note-3-June-2020-A.pdf
Environmental Laws, Acts, and Regulations			
1976	United States Congress	United States Code, Title 42, Chapter 82 §6901 et seq	Resource Conservation and Recovery Act (RCRA) https://www.govinfo.gov/content/pkg/USCODE-2011-title42/html/USCODE-2011-title42-chap82.htm
12/11/1980 10/17/1986	United States Congress	United States Code Title 42, Chapter 103, §9601 et seq.	Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) as amended by the Superfund Amendments and Reauthorization Act (SARA) https://www.govinfo.gov/content/pkg/USCODE-2011-title42/html/USCODE-2011-title42-chap103.htm
	United States Congress	40 Code of Federal Regulations Parts 260 through 273 – Resource Conservation and Recovery Act Regulations	Federal RCRA regulations governing hazardous waste https://www.epa.gov/rcra/resource-conservation-and-recovery-act-rcra-regulations
	United States Congress	40 Code of Federal Regulations Part 300 - National Oil and Hazardous Substances Contingency Plan	Federal regulations governing hazardous substance releases https://www.ecfr.gov/current/title-40/chapter-I/subchapter-J/part-300
	California State Legislature	California Health and Safety Code, Division 20, Chapter 6.5 (Hazardous Waste Control Law)	California law governing hazardous waste control https://leginfo.ca.gov/faces/codes_displayexpandedbranch.xhtml?tocCode=HSC&division=20.&title=&part=&chapter=6.5.&article=
	California State Legislature	California Health and Safety Code, Division 20, Chapter 6.8 (Hazardous Substances Account)	California act governing hazardous substance releases https://leginfo.ca.gov/faces/codes_displayexpandedbranch.xhtml?tocCode=HSC&division=20.&title=&part=&chapter=6.8.&article=
		California Code of Regulations (CCR) Title 22, Division 4.5	California hazardous waste regulations implemented by DTSC. https://dtsc.ca.gov/dtsc-laws-regulations/title22/