

Table 10-2
Chemical-Specific ARARs
Casmalia Resources Superfund Site
Casmalia, CA

Chemical-Specific ARAR	Agency	Reference	Description	Comment	ARAR or To Be Considered
Proposed Corrective Action Rule (40 CFR 264 Subpart S) Action Levels	USEPA	55 FR 30798	Sets action levels for certain chemicals in soil, exceeding action levels may trigger requirements for additional investigation or remediation.	May be used in determining whether contamination poses potential threat to human health or the environment.	Relevant and Appropriate
A Compilation of Water Quality Goals	RWQCB	CVRWQCB, August 2003, as amended 25 May 2004	Defines a procedure for selection of appropriate concentrations of chemical constituents and water quality parameters used to determine compliance with the narrative water quality objectives contained in the Basin Plan.		TBC
Designated Level Methodology for Waste Classification and Cleanup Level Determination	CVRWQCB, June 1989	CVRWQCB, June 1989	Guidance on how to classify wastes under the definitions contained in the Chapter 15 regulations to select appropriate disposal practices protective of beneficial uses of waters of the state.		TBC
Health Advisories and Water Quality Advisories	USEPA	USEPA Office of Water	Short- and long-term and life-time exposure health advisories for noncarcinogens and possible human carcinogens.	Incremental cancer risk estimates for known and probable human carcinogens are also included.	TBC
National Ambient Water Quality Criteria	USEPA/Clean Water Act	Quality Criteria for Water, 1986	Protects human health and welfare		Applicable
Water Quality Criteria	SWRCB, 1963 and 1978	Water Quality Criteria, McKee and Wolf, 1963 and 1978	Contains criteria for human health and welfare, agricultural use, and industrial use.		Applicable
Hazardous Waste - Identification	USEPA/DTSC	40 CFR 261/ 22 CCR 66261	Sets standards for classification of hazardous wastes. Establishes constituent levels for characteristic wastes and lists of wastes considered to be hazardous wastes.	All wastes generated during site activities must be evaluated to determine if they are hazardous.	Applicable
Preliminary Remediation Goals (PRGs)	USEPA	PRG Table – October 2004	Sets a PRG for potential industrial and residential uses for a variety of compounds.	May be used for general risk screening purposes or to set initial cleanup goals.	TBC
Calderon-Sher Safe Drinking Water Act	OEHHA	PHG Tables – 6 March 2006	Requires OEHHA to adopt PHGs for drinking water based on health risk assessments using the most current scientific methods for the approximately 85 chemicals for which state MCLs are presently available.	May be used for general risk screening purposes.	Relevant and Appropriate
ESLs	SFRWQCB	Screening For Environmental Concerns at Sites With Contaminated Soil and Groundwater, Interim Final, February 2005	Presents lookup tables of conservative ESLs for over 100 chemicals commonly found at sites with contaminated soil and ground water.	May be used for general risk screening purposes.	TBC
CHHSLs	Cal EPA	California Land Environmental Restoration and Reuse Act	CalEPA has developed “screening values” for 54 hazardous substances that are typically found at brownfields sites. These values serve as reference numbers to help developers and local governments estimate the costs and extent of cleanup of contaminated sites, providing valuable information in their development decisions.	May be used for general risk screening purposes.	TBC

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Health Advisories and Water Quality Advisories	USEPA	USEPA Office of Water	Short-term, long-term, and lifetime exposure health advisories for noncarcinogens and possible human carcinogens.	Incremental cancer risk estimates for known and probable human carcinogens are also included.	TBC
Water Quality Criteria	SWRCB, 1963 and 1978	Water Quality Criteria, McKee and Wolf, 1963 and 1978	Contains criteria for human health and welfare, agricultural use, and industrial use.		TBC
Safe Drinking Water Act - MCLs	USEPA	40 CFR 141.11 - 141.16; 141.60 - 141.62	National Primary Drinking Water Standards - enforceable standards for specified contaminants in drinking water.	Relevant and appropriate for setting water quality objectives for ground water. Lists water quality criteria for chemicals where an MCL is not established.	Relevant and Appropriate
California Safe Drinking Water Act - MCLs	DHS	22 CCR 64444; 64473	California drinking water standards; primary and secondary MCLs for specified contaminants in drinking water.	Relevant and appropriate for setting water quality objectives for ground water, to the extent that state MCLs are more stringent than federal MCLs. Lists water quality criteria for chemicals where an MCL is not established.	Relevant and Appropriate
OSHA Permissible Exposure Limits	Cal-OSHA	29 CFR 1910.1001/8 CCR 5155	Requirements for controlling employee exposure to airborne contamination during work operations; sets PELs for specified contaminants and workplace monitoring requirements.	If concentrations of any specified contaminants in air exceed the PEL, control measures (administrative or engineering controls, or PPE) will be required. This applies to dust-producing actions or actions that may encourage offgassing of VOCs.	Applicable
OSHA Worker Vinyl Chloride Exposure Standard	Cal-OSHA	29 CFR 1910.1017/8 CCR 5210	Specific standard for occupational exposure to vinyl chloride; includes requirements for monitoring, protective equipment and decontamination. The PEL for vinyl chloride is currently 1 ppm for an 8-hour TWA.	If concentrations of vinyl chloride in air exceed the PEL, control measures will be required. This applies to actions that may encourage offgassing of VOCs.	Applicable
Hazardous Waste - LDR	USEPA/DTSC	40 CFR 268/ 22 CCR 66268	Sets LDR constituent concentrations and treatment standards.	Hazardous wastes generated during site activities must meet LDR standards prior to land disposal.	Relevant and Appropriate

Notes:

ARAR = Applicable or relevant and appropriate requirement
 CalEPA = California Environmental Protection Agency
 CCR = California Code of Regulations
 CFR = Code of Federal Regulations
 CHHSL = California Human Health Screening Level
 DHS = Department of Health Services
 DTSC = Department of Toxic Substances Control
 ESL = Environmental Screening Level
 LDR = Land Disposal Restriction
 MCL = Maximum Contaminant Level

OEHHA = Office of Environmental Health Hazard Assessment
 OSWER = Office of Solid Waste and Emergency Response
 PHGs = Public health goals
 PRG = Preliminary Remediation Goals
 RWQCB = Regional Water Quality Control Board
 TBC = To be considered
 TCE = Trichloroethene
 USEPA = United States Environmental Protection Agency
 VOC = Volatile organic compound