

**Table 10-5
Action-Specific ARARs
Casmalia Resources Superfund Site
Casmalia, CA**

Action-Specific ARAR	Agency	Reference	Description	Comment	ARAR or To Be Considered
Water Quality Monitoring Requirements for Permitted Facilities (Point of Compliance)	DTSC	22 CCR 66264.95, 66264.97, 66264.98, 66264.99	Establishes requirements, including point-of-compliance boundary, for ground water monitoring for landfills, surface impoundments, waste piles, and land treatment units to attain compliance with water quality protection standards.	A potential ARAR for the area downgradient of the Technical Impracticability Zone, which will be located at the hydraulically downgradient limit of the waste management area (the southern-most site boundary).	Relevant and Appropriate
Monitoring well construction, repair, modification, destruction and inactivity	Santa Barbara County Department of Environmental Health	County Ordinance 34A Wells	Regulations concerning the construction, repair, modification, destruction and inactivity of wells in Santa Barbara County	References Department of Water Resources Bulletin 7481 (1981). A more recent bulletin exists, but Santa Barbara still uses the 1981 version.	Applicable
Hazardous Material/Hazardous Waste Transportation Requirements	USEPA / DOT / DTSC	40 CFR 262 / 49 CFR 172 / 22 CCR 66262	Requirements for packaging, labeling, placarding, and transporting hazardous waste.	Any hazardous wastes shipped off site for disposal must meet the requirements for hazardous waste shipping and transportation.	Applicable
Hazardous Waste	DTSC	22 CCR 66260	Provides definitions of terms used in the hazardous waste regulations under Title 22 of the California Code of Regulations.	Applicable to activities generating wastes; wastes must be classified using generator knowledge or waste analysis.	Applicable
Hazardous Waste	DTSC	Health and Safety Code 25123.3	Remediation waste staging requirements allowing the temporary accumulation of non-RCRA contaminated soil provided that certain conditions are met.	Applicable to activities that involve temporary accumulation of non-RCRA contaminated soil. Requires an impermeable surface, controls to prevent dispersion or runoff, inspections, and certification.	Applicable
Hazardous Waste	DTSC	Health and Safety Code 25200 et. seq	Establishes tiered permitting system for facilities involved in the treatment of certain non-RCRA hazardous wastes. Sets requirements applicable to facilities subject to tiered permitting.	Alternatives treating non-RCRA hazardous waste that meet specified waste stream and quantity limitations may be subject to tiered permitting.	Relevant and Appropriate
Hazardous Waste	USEPA/DTSC	40 CFR 264, 265 Subpart K / 22 CCR 66264 and 66265	Requirements for surface impoundment (waste pile) liner to prevent any migration of wastes out of the impoundment to the adjacent subsurface soil or ground water.	Applicable to alternatives involving hazardous waste piles.	Relevant and Appropriate
Hazardous Waste	USEPA/DTSC	40 CFR 264 Subpart X / 22 CCR 66264	Requirements for treatment in miscellaneous units.	Applicable to alternatives involving treatment in units classified as miscellaneous units.	Relevant and Appropriate
Hazardous Waste	USEPA/DTSC	40 CFR 264, 265 Subpart B / 22 CCR 66264 and 66265	General facility standards for on-site treatment, storage, or disposal of hazardous waste.	Applicable to alternatives involving the TSD of hazardous waste.	Relevant and Appropriate
Hazardous Waste	USEPA/DTSC	40 CFR 264, 265 Subpart C / 22 CCR 66264 and 66265	Preparedness and prevention requirements applicable to on-site TSD of hazardous waste. Applies to generators and TSDs.	Applicable to alternatives involving the TSD of hazardous waste.	Relevant and Appropriate
Hazardous Waste	USEPA/DTSC	40 CFR 264, 265 Subpart D / 22 CCR 66264 and 66265	Contingency Plan requirements applicable to on-site TSD of hazardous waste. Applies to generators and TSDs.	Applicable to alternatives involving the TSD of hazardous waste.	Relevant and Appropriate
Hazardous Waste	USEPA/DTSC	40 CFR 264, 265 Subpart E / 22 CCR 66264 and 66265	Manifesting, record keeping, and reporting requirements applicable to TSD facilities.	Applicable to alternatives involving the TSD of hazardous waste.	Applicable
Hazardous Waste	USEPA/DTSC	40 CFR 264, 265 Subpart F / 22 CCR 66264 and 66265	Establishes monitoring requirements for facilities that treat, store, or dispose of hazardous waste.	Applicable to alternatives involving the TSD of hazardous waste.	Relevant and Appropriate
Hazardous Waste	USEPA/DTSC	40 CFR 264, 265 Subpart G / 22 CCR 66264 and 66265	Closure and post-closure requirements for hazardous waste TSD in new on-site units.	Applicable to alternatives involving creation of new TSD units.	Relevant and Appropriate
Hazardous Waste	USEPA/DTSC	40 CFR 264, 265 Subpart N / 22 CCR 66264 and 66265	Requirements for hazardous waste landfills.	Applicable to alternatives involving land disposal of hazardous waste.	Relevant and Appropriate
Hazardous Waste	USEPA/DTSC	40 CFR 265, 264 / 22 CCR 66265, 66264	Requirements for management/storage of hazardous waste in containers.	Applicable to any hazardous wastes accumulated or stored in containers.	Applicable

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Hazardous Waste - Corrective Action Management Units and Temporary Units	USEPA	40 CFR 264 Subpart S	Requirements for the establishment of specialized units under the corrective action program that are applicable to site remediation activities.	Applicable to activities using corrective action management units or temporary units.	Relevant and Appropriate
Hazardous Waste - LDR	USEPA/DTSC	40 CFR 268 / 22 CCR 66268	Establishes land disposal restrictions and treatment standards for hazardous wastes applicable to generators.	Any hazardous wastes generated as a result of on-site activities or by treatment systems must meet LDR requirements.	Applicable
Hazardous Waste Generator Standards	USEPA/DTSC	40 CFR 262 / 22 CCR 66262	Requirements for generation, on-site management, and off-site transportation of RCRA and non-RCRA hazardous waste.	Waste generated during site activities must be managed in accordance with these standards if determined to be a hazardous waste.	Applicable
Hazardous Waste Identification	DTSC	22 CCR 66261	Sets standards for classification of RCRA hazardous wastes and California hazardous wastes and requirements for recycling and reclamation of RCRA and California hazardous wastes.	Wastes generated during site activities (including residues from treatment operations) must be evaluated to determine if hazardous.	Relevant and Appropriate
Land Use Controls	DTSC	22 CCR 67391.1	Provides the requirements for land use covenants when contaminants will remain on land at levels that are not suitable for unrestricted use of land.		Relevant and Appropriate
Land Use Controls	DTSC	CHSC 25222.1 and 25355.5	Authorizes DTSC to enter into an agreement with a land owner to restrict the present and future use of land.		Relevant and Appropriate
OSHA Excavation Standards	Cal/OSHA	29 CFR 1926/8 CCR 1540 and 341	Includes requirements for benching, sloping or shoring of excavations to prevent cave-ins; entry into any excavation deeper than 5 feet requires a permit.	Applicable to excavation activities.	Applicable
OSHA Hazardous Waste Operations and Emergency Response	Cal/OSHA	29 CFR 1910.120/8 CCR 5192	Worker training and health and safety plan requirements for site cleanup operations.	Applicable to on-site workers engaged in sites dealing with the treatment, storage, and disposal (TSD) of hazardous waste.	Applicable
OSHA Head, Eye, Face, and Hearing Protection Standards	Cal/OSHA	29 CFR 1926 Subpart E/8 CCR 3381, 3382, 5144, 5162, and 5097.	Specific details regarding personal protective equipment and noise levels for hearing protection for workers.	Applicable to activities where employees may encounter hazards requiring the use of personal protective equipment or hearing protection.	Relevant and Appropriate
OSHA Heavy Equipment Operation Standards	Cal/OSHA	29 CFR 1926/8 CCR 1590 and 3649	Requirements for safe operation of haulage, earthmoving, industrial trucks and tractors.	Applicable to activities involving the use of heavy equipment.	Applicable
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 Protection Programs	Cal/OSHA	29 CFR 1910.1200/8 CCR 5194 and 3203	Written program requirements include hazard communication and an illness and injury prevention plan (IIPP)	Employees who may be exposed to hazardous substances must be informed of those hazards in accordance with hazard communication requirements. All employers must develop an IIPP for providing information on safe and healthy work practices.	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
Porter-Cologne Water Quality Control Act	RWQCB	23 CCR Chapter 15, 2550.2, 2550.3, 2550.4, 2550.5, 2550.6	Establishes water quality protection standards consisting of COCs, concentration limits, point of compliance and monitoring points.	SWRCB Resolution 92-49 requires actions to cleanup discharge of waste to comply with Chapter 15.	Applicable
Porter-Cologne Water Quality Control Act	RWQCB	23 CCR 2511(d)	Specifies that wastes removed from the immediate place of release must be discharged in accordance with the classification and siting requirements of Chapter 15. Waste contained or left in place must comply with Chapter 15 to the extent feasible.	Applies to actions taken by or at the direction of public agencies to clean up unintentional or unauthorized discharges of waste to the environment.	Relevant and Appropriate

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Porter-Cologne Water Quality Control Act	RWQCB	23 CCR 2550.10	Requires implementation of corrective action measures that ensure that cleanup levels are achieved throughout the zone affected by the release by removing the waste constituents or treating them in place. Source control may be required. Also requires monitoring to determine the effectiveness of the corrective actions.	Applies to cleanup activities in order to protect ground water.	Applicable
Porter-Cologne Water Quality Control Act	RWQCB	23 CCR 2550.4	Cleanup levels must be set at background concentration levels, or, if background levels are not technologically and economically feasible, then at the lowest levels that are economically and technologically achievable. Specific factors must be considered in setting cleanup levels above background levels. Cleanup levels above background levels shall be evaluated every 5 years. If the actual concentration of a constituent is lower than its associated cleanup level, the cleanup level shall be lowered to reflect existing water quality.	Applies in setting cleanup levels for ground water, surface water, and the unsaturated zone for all discharges of waste to land.	Applicable
Porter-Cologne Water Quality Control Act	RWQCB	23 CCR 2550.6	Establishes compliance period for monitoring for waste management unit. Requires monitoring for compliance with remedial action objectives for 3 years from the date of achieving cleanup levels.	Applies to water quality monitoring for new waste management units and for corrective action activities.	Relevant and Appropriate
Porter-Cologne Water Quality Control Act	RWQCB	23 CCR 2550.7	Requires general soil, surface water, and ground water monitoring.	Applies to all areas at which waste has been discharged to land.	Applicable
Porter-Cologne Water Quality Control Act	RWQCB	23 CCR 2550.9	Requires an assessment of the nature and extent of the release, including a determination of the spatial distribution and concentration of each constituent.	Applies to areas at which monitoring results show statistically significant evidence of a release.	Applicable
Respiratory Protection Standard	USEPA	29 CFR Part 1910.134	Establishes standards and guidelines for respiratory protection.	Relevant and appropriate for establishing the level of respiratory protection necessary for remedial activities.	Relevant and Appropriate
Safe Drinking Water and Toxic Enforcement Act (Prop. 65)	Health and Welfare Agency	California Health and Safety Code, Division 20	Warning requirements/discharge prohibitions of any chemical listed by state as carcinogen or reproductive hazard to water or land, where chemical will pass through a source of drinking water.	Chemicals and applicable regulatory levels are listed in 22 CCR 12000, et seq.	Relevant and Appropriate
Porter-Cologne Water Quality Control Act	RWQCB	State Water Resources Control Board Resolution No. 92-49 (As amended October 2, 1996)	Resolution No. 92-49 directs the RWQCBs to ensure that water affected by an unauthorized release attains either background water quality or the best water quality which is reasonable if background water quality cannot be restored (SWRCB Resolution No. 92-49, III.G). Any alternative level of water quality less stringent than background must be consistent with the maximum benefit to the people of the state, not unreasonably affect current and probable future beneficial use of affected water, and not result in water quality less than that prescribed in the water quality control plan for the basin within which the site is located.	Applicable to discharges of waste to waters, including discharges that may affect surface or ground waters.	Applicable
State Water Resources Control Board Non-Degradation Policy	SWRCB	Resolution 68-16 (as contained in the RWQCB's Water Quality Control Plan)	SWRQC policy requiring maintenance of existing water quality unless demonstrated that the change is beneficial, will not unreasonably affect present or potential uses, and will not result in water quality of lower quality than prescribed by other state policies.	Applicable to discharges of waste to waters, including discharges that may affect surface or ground waters.	Relevant and Appropriate

Notes:

ARAR = Applicable or relevant and appropriate requirement
 BAAQMD = Bay Area Air Quality Management District
 CalEPA = California Environmental Protection Agency
 CCR = California Code of Regulations
 CEQA = California Environmental Quality Act
 CFR = Code of Federal Regulations
 CHSC = California Health and Safety Code

DOT = Department of Transportation
 DTSC = Department of Toxic Substances Control
 LDR = Land Disposal Restrictions
 NPDES = National Pollutant Discharge Elimination System
 OSHA = Occupational Safety and Health Administration
 PEL = Permissible exposure limit
 PPE = Personal protective equipment

RCRA = Resource Conservation and Recovery Act
 RWQCB = Regional Water Quality Control Board
 SWRCB = State Water Resources Control Board
 TSD = Treatment, storage and disposal
 USEPA = United States Environmental Protection Agency