

CSM and General Cleanup Steps: Crosswalk of Regulatory Program Stages and CSM Life Cycle Phases

General Environmental Cleanup Steps	CSM Life Cycle	Best Management Practices		CERCLA - Superfund	RCRA	Brownfields	UST	VCUP Varies by state
		SPP	DWS/RTMT					
Site Assessment	Conceptual Preliminary CSM → Baseline CSM			Preliminary Assessment (PA) Site Inspection (SI) National Priorities List (NPL) No Further Remedial Action Planned (NFRAP)	Facility Assessment (RFA)	Phase I Environmental Site Assessment (ESA)	Initial Site Characterization Initial Response	PA SI
Site Investigation and Alternatives Evaluation	Characterization CSM Stage			Remedial Investigation/ Feasibility Study (RI/FS) Removal Actions - Emergency/Time Critical/Non-Time-Critical	Facility Investigation (RFI) Corrective Measures Study (CMS)	Phase II ESA	SI Corrective Action Plan (CAP)	RI/FS
Remedy Selection	Design CSM Stage			Proposed Plan Record of Decision (ROD)	Statement of Basis (SB) Final Decision and Response to Comments	Remedial Action Plan (RAP)	Cleanup Selection	ROD
Remedy Implementation	Remediation/Mitigation CSM Stage			Remedial Design (RD) Remedial Action (RA) – Interim and Final	Corrective Measure Implementation (CMI)	Cleanup and Development	Corrective Action - Low-impact site cleanup - Risk-based remediation - Generic remedies - Soil matrix cleanup	RD RA
Post-Construction Activities	Post-Remedy CSM Stage			Operational & Functional Period Operation & Maintenance (O&M) Long term monitoring (LTM) Optimization Long Term Response Action (Fund-lead groundwater/surface water restoration)	O&M On-site inspections and oversight	Property Management Long-term O&M Redevelopment Activities (Private- and Public-led)	LTM	O&M LTM
Site Completion	Quantitative			Construction Complete (CC) Preliminary or Final Close Out Report (PCOR/FCOR) Site Completion - FCOR Site Deletion O&M as appropriate	Certification of Completion Corrective Action Complete with Controls or without Controls	CC Property Management	No Further Action (NFA)	CC

Abbreviations presented in the title row:

CSM = Conceptual Site Model

SPP = Systematic Project Planning

DWS = Dynamic Work Strategies

RTMT = Real Time Measurement

Technologies

CERCLA = Comprehensive Environmental

Response, Compensation and Liability Act

RCRA = Resource Conservation and

Recovery Act

UST = Underground Storage Tanks

VCUP = Voluntarily Clean Up Programs