

**EM Project Definition Rating Index
Environmental Restoration Projects**

Rating Element		Weighting Designation	Weighting Factor	Expected Target Values At End Of Project Phase			
				Mission Need/Proposed Plan (CD-0/1)		Performance Baseline/ Start Work (CD-2/3)	
				Maturity Value	Target Score	Maturity Value	Target Score
COST							
A1	Cost Estimate	H	7.5	2	15.0	5	37.5
A2	Cost Risk/Contingency Analysis	P	3.0	1	3.0	5	15.0
A3	Funding Requirements/Profile	H	7.5	2	15.0	5	37.5
A4	Independent Cost Estimate/Schedule Review	P	3.0	N/A	0.0	5	15.0
A5	Life Cycle Cost	P	3.0	1	3.0	5	15.0
A6	Forecast of Cost at Completion	P	3.0	N/A	0.0	5	15.0
A7	Cost Estimate for Next Phase Work Scope	P	3.0	5	15.0	5	15.0
	Subtotal Cost				51.0		150.0
SCHEDULE							
B1	Project Schedule	H	7.5	2	15.0	5	37.5
B2	Major Milestones	P	3.0	2	6.0	5	15.0
B3	Resource Loading	P	3.0	1	3.0	5	15.0
B4	Critical Path Management	H	7.5	1	7.5	5	37.5
B5	Schedule Risk/Contingency Analysis	P	3.0	1	3.0	5	15.0
B6	Forecast of Schedule Completion	P	3.0	N/A	0.0	5	15.0
B7	Schedule for Next Phase Work Scope	P	3.0	5	15.0	5	15.0
	Subtotal Schedule				49.5		150.0
SCOPE/TECHNICAL							
C1	Preliminary Assessments/Site Investigation	P	2.5	5	12.5	5	12.5
C2	Remedial Investigation/RCRA Facility Investigation (includes Baseline Risk Assessment)	P	2.5	5	12.5	5	12.5
C3	Feasibility Study (FS)/Corrective Measures Study (CMS)	H	5.0	5	25.0	5	25.0
C4	Engineering Evaluation/Cost Analysis of Removal Actions/Early Actions	P	2.5	5	12.5	5	12.5
C5	Performance Assessment (PA)	P	2.5	5	12.5	5	12.5
C6	Technology Needs Identified and Available	H	5.0	4	20.0	5	25.0
C7	Hazard Classification	H	5.0	3	15.0	5	25.0
C8	Performance Requirements	H	5.0	3	15.0	5	25.0
C9	ES&H Management Planning (including ISMS)	H	5.0	2	10.0	5	25.0

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C10	Safety Documentation	H	5.0	1	5.0	5	25.0
C11	Safeguards & Security	P	2.5	3	7.5	5	12.5
C12	Emergency Preparedness	P	2.5	1	2.5	5	12.5
C13	Waste Acceptance Criteria (WAC)	H	5.0	3	15.0	5	25.0
C14	Proposed Plan (PP)	P	2.5	2	5.0	5	12.5
C15	CERCLA Record of Decision (ROD)/Action Memo (AM)	P	2.5	2	5.0	5	12.5
C16	Remedial Design	H	5.0	N/A	0.0	5	25.0
C17	Equipment Needs	P	2.5	2	5.0	5	12.5
C18	Design Reviews for the Current Phase	P	2.5	5	12.5	5	12.5
C19	Transportation and Waste Packaging Requirements	P	2.5	2	5.0	5	12.5
C20	Pollution Prevention and Waste Minimization	P	2.5	2	5.0	5	12.5
C21	Training Requirements	P	2.5	1	2.5	5	12.5
C22	Environmental Monitoring Plan	P	2.5	2	5.0	5	12.5
C23	Closure Plan/Permit Modification	P	2.5	3	7.5	5	12.5
C24	Long Term Surveillance and Monitoring Plan	P	2.5	2	5.0	5	12.5
	Subtotal Scope/Technical				222.5		400.0
MANAGEMENT PLANNING AND CONTROL							
D1	Mission Need Statement	H	5.0	5	25.0	5	25.0
D2	Acquisition Strategy/Plan	P	1.4	5	7.1	5	7.1
D3	Project Charter	P	1.4	5	7.1	5	7.1
D4	Key Project Assumptions	P	1.4	4	5.7	5	7.1
D5	Project Execution Plan (PEP)	H	5.0	3	15.0	5	25.0
D6	Integrated Project Team/Project Organization	P	1.4	3	4.3	5	7.1
D7	Baseline Change Control	H	5.0	4	20.0	5	25.0
D8	Project Control	P	1.4	3	4.3	5	7.1
D9	Project Work Breakdown Structure (WBS)	P	1.4	4	5.7	5	7.1
D10	Resources Required (People/Material) for Next Phase	P	1.4	5	7.1	5	7.1
D11	Project Risk Management Plan/Assessment	H	5.0	3	15.0	5	25.0
D12	Quality Assurance Program	P	1.4	4	5.7	5	7.1
D13	Configuration Management	P	1.4	3	4.3	5	7.1
D14	Value Engineering	P	1.4	3	4.3	5	7.1

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D15	Procurement Packages	P	1.4	1	1.4	5	7.1
D16	Project Acquisition Process	P	1.4	5	7.1	5	7.1
D17	Funds Management	P	1.4	3	4.3	5	7.1
D18	Reviews/Assessments	P	1.4	5	7.1	5	7.1
Subtotal Management Planning and Control					150.7		200.0
EXTERNAL FACTORS							
E1	Integrated Regulatory Oversight Program	P	3.3	4	13.3	5	16.7
E2	Inter-Site Issues	P	3.3	3	10.0	5	16.7
E3	On-Site Issues	P	3.3	3	10.0	5	16.7
E4	Permits, Licenses, and Regulatory Approvals	H	5.0	3	15.0	5	25.0
E5	Stakeholder Program	H	5.0	4	20.0	5	25.0
Subtotal External Factors					68.3		100.0

Total		542		1000
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Maturity Values*	N/A	0	1	2	3	4	5
Definition	Not Applicable	Work Not Started	Work Initiated	Concept Defined	Substantive Working Detail	Final Draft	Complete. Fully Meets Criteria
Approximate % Complete Range	N/A	0	1% to 20%	21% to 50%	51% to 80%	81% to 95%	96% to 100%

*Application of maturity values may use the definitions and/or the approximate percent complete ranges shown above, as appropriate for specific rating elements.