

EMS Road Map
DOE Order 450.1A CRD Attachment 1

A. DOE O 450.1A	B. Description	C. Document Location
Implementation of Environmental Management System		
DOE O 450.1A§ CRD 1	ISMS Description Plan 10200.016 Policy Statement 10200.010.	ESH&A Docs and Recs Files
Elements of Environmental Management System		
DOE O 450.1A§ CRD 1.a(1)	ISMS Description Plan 10200.016	ESH&A Docs & Recs Files
	EMS Aspects Procedure 10200.075	ESH&A Docs & Recs Files
	Policy Statement 10200.010	ESH&A Docs & Recs Files
	GET (EMS Training) AL-001	ESH&A Docs & Recs Files
	Readiness Review Procedure 10200.010	ESH&A Docs & Recs Files
	Corrective Development Tracking & Verification Procedure 10200.039	ESH&A Docs & Recs Files
	Program/Department Walkthrough Procedure 10200.014	ESH&A Docs & Recs Files
	Independent Walkthrough Procedure 10200.021	ESH&A Docs & Recs Files
	Topical Appraisal Plan 10200.022	ESH&A Docs & Recs Files
	Performance Evaluation Management Plan	PEMP
DOE O 450.1A§ CRD 1.a(2)	Inhouse Energy Plan 46300.003	FSG
	Executable Plan	FSG
DOE O 450.1A§ CRD 1.a(3)	Contracts/Requisitions	Purchasing & Procurement
	Subcontractor Oversight Procedure 10200.046	ESH&A Docs & Recs Files
DOE O 450.1A§ CRD 1.a(4)(a)	Policy Statement 10200.010	ESH&A Docs & Recs Files
DOE O 450.1A§ CRD 1.a(4)(b)	Environmental Aspects Procedure 10200.075	ESH&A Docs & Recs Files
DOE O 450.1A§ CRD 1.a(4)(c)	Self Assessments (mid & Yr End)	PEMP
	Topical Appraisal Plan 10200.022	ESH&A Docs & Recs Files
	Corrective Development Tracking & Verification Procedure 10200.039	ESH&A Docs & Recs Files
		ESH&A Docs & Recs Files
DOE O 450.1A§ CRD 1.a(4)(d)	Corrective Development Tracking & Verification Procedure 10200.039	ESH&A Docs & Recs Files

Scope of the Environmental Management System		
DOE O 450.1A§ CRD 1.b(1)	Waste Minimization/Pollution Prevention Plan 10200.023	ESH&A Docs & Recs Files
	Inhouse Energy Plan 46300.003	FSG
	Executable Plan	FSG
	GET/EMS Training AL-001	ESH&A Docs & Recs Files
	EMS Targets/Objectives	Recommendation Letters
DOE O 450.1A§ CRD 1.b(2)(a)	IDNR's Biannual Small Source Emissions Inventory Request Air Permit 96-A-1282 Air Permit 96-A-1283	Environmental Specialist's Files
DOE O 450.1A§ CRD 1.b(2)(b)	Ames Laboratory does not own the land that the buildings are on.	
DOE O 450.1A§ CRD 1.b(2)(c)	Ames Laboratory does not have any activities affecting groundwater.	
DOE O 450.1A§ CRD 1.b(2)(d)	There are no other natural resource concerns.	
DOE O 450.1A§ CRD 1.b(2)(e)	Nano Technology Training Waste Generator Training AL-073	ESH&A Docs & Recs Files ESH&A Docs & Recs Files
	Waste Management Program Manual 10200.003	ESH&A Docs & Recs Files
	Readiness Review Procedure 10200.010	ESH&A Docs & Recs Files
	There are no wildlands of concern or operational fire concerns.	
DOE O 450.1A§ CRD 1.b(3)	There are no wildlands of concern or operational fire concerns.	
DOE O 450.1A§ CRD 1.b(4)	Hazard Identification for Excess Property & Materials Procedure 10200.054	ESH&A Docs & Recs Files
DOE O 450.1A§ CRD 1.b(5)	The laboratory performs small bench top scale experiments. The readiness review process would address any routes of potential exposure and minimize those exposures by implementing engineering, administration and PPE controls.	
DOE O 450.1A§ CRD 1.b(6)	The Laboratory does not hold a pretreatment agreement as is located on ISU property. Any effluent issues would be addressed through ES&H-ISU.	
DOE O 450.1A§ CRD 1.b(7)	Inhouse Energy Plan 46300.003	FSG
	Executable Plan	FSG
	Procurement Reviews	CostPoint
	EMSSC Recommendations	Letters to EC

Validation of the Environmental Management System		
DOE O 450.1A§ CRD 1.c(1)(a)	DOE-CH Audit April 6-9, 2009	Audit Report
DOE O 450.1A§ CRD 1.c(1)(b)	EMS Self-Declaration Form 10200.161	ESH&A Docs & Recs
DOE O 450.1A§ CRD 1.c(1)(c)	EMS Self-Declaration Form 10200.161	ESH&A Docs & Recs
DOE O 450.1A§ CRD 1.c(2)	EMS Self-Declaration Form 10200.161	ESH&A Docs & Recs
DOE O 450.1A§ CRD 1.c(3)	EMS Self-Declaration Form 10200.161	ESH&A Docs & Recs

Monitoring Process		
DOE O 450.1A§ CRD 2	Corrective Development Tracking & Verification Procedure 10200.039	ESH&A Docs & Recs
	Mid & Year End Reports	PEMP

Maximize the Use of Safe Alternative to ODSs		
DOE O 450.1A§ CRD 3.a	New refrigeration/cooling equipment will be eliminated.	
	Requisition Reviews	ESH&A Office
	Procurement Specifications	FSG Specifications
DOE O 450.1A§ CRD 3.b	ODS is in limited use. As equipment becomes obsolete new equipment will be purchased or old equipment will be retrofitted.	
DOE O 450.1A§ CRD 3.c	Leaking equipment will be repaired or replaced as necessary.	
DOE O 450.1A§ CRD 3.d	Should the Laboratory have any excess ODS to dispose of arrangements will be made to transfer to the DoD as necessary.	

Meet the requirements of EPCRA & the PPA	
DOE O 450.1A§ CRD 4	The Laboratory has and will continue to report to the appropriate agencies as necessary.

Meet the Obligations of EO 13327, Section 3b(vi)		
DOE O 450.1A§ CRD 5	Hazard Identification for Excess Property & Materials Procedure 10200.054	ESH&A Docs & Recs
	Cultural Resources Plan 10200.xxx (expected due date 12/31/09)	