



10 CFR 851 Implementation Matrix

Advanced Mixed Waste Treatment Project

Approved:

(Signature on file. See DCR-5912.)

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05/02/07

Date

AMWTP LIST		
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10 CFR 851 Implementation Matrix		

TABLE OF CONTENTS

1.0 PURPOSE/SCOPE1

2.0 DEFINITIONS.....1

3.0 REFERENCES1

4.0 APPENDICES1

 Appendix A – Requirements TablesA1

AMWTP LIST		
LST-ISIH-02-IM, Rev. 1	Issued: 05/03/07	Effective: 05/04/07
10 CFR 851 Implementation Matrix		

1.0 PURPOSE/SCOPE

The purpose of this list is to provide a crosswalk between sections of 10 CFR 851, Worker Safety and Health Program, and the implementation of those sections in AMWTP documentation.

2.0 DEFINITIONS

None

3.0 REFERENCES

(1) 10 CFR 851, Worker Safety and Health Program

4.0 APPENDICES

Appendix A – Requirements Tables

AMWTP LIST

LST-ISIH-02-IM, Rev. 1

Issued: 05/03/07

Effective: 05/04/07

10 CFR 851 Implementation Matrix

Appendix A

Requirements Tables

10 CFR 851, Worker Safety and Health Program – Specific Program Requirements

Section Number	Section Title/Description	Documented Safety Analysis (DSA)	Environmental Safety and Health Program Operating Plan (ESHPOP)	IS/IH Program Description Document PD-ISIH-01	Management Procedures and Instructions	Worker Safety and Health Plan
851.20 Management Responsibilities and Worker Rights and Responsibilities						
851.20(a)	Management responsibilities	DSA Chapter 17, Management, Organization, and Institutional Safety Provisions	Appendix A, AMWTP Position Roles and Responsibilities	Section 1.0, Purpose/Scope Section 2.0, IS/IH Management System Overview Section 3.0, Resources, Roles, Responsibilities, and Authority		Section 6.0, Management Responsibilities and Workers Rights and Responsibilities
851.20(a)(1)	Establish written policy, goals, and objectives for worker safety and health program	DSA Chapter 17, Management, Organization, and Institutional Safety Provisions	Section A.2, Integrated Safety Management	Section 1.0, Purpose/Scope Section 2.0, IS/IH Management System Overview	GDE-10 BBWI AMWTP Employee Handbook FMR-54-06 Injury Free Work Place Policy	Section 4.0, Implementation Section 6.2.2, ISIH Manager

AMWTP LIST

LST-ISIH-02-IM, Rev. 1

Issued: 05/03/07

Effective: 05/04/07

10 CFR 851 Implementation Matrix

10 CFR 851, Worker Safety and Health Program – Specific Program Requirements

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851.20(a)(2)	Use qualified worker safety and health staff (e.g. a certified industrial hygienist or safety professional) to direct and manage the program	DSA Chapter 8, Protection from Physical and Chemical Hazards DSA Chapter 17, Management, Organization, and Institutional Safety Provisions	Section A.2, Integrated Safety Management Section A.4, Worker Involvement in Environment, Safety, and Health Performance and Improvement Section D.7, Training and Qualification Program	Section 3.1, Competence, Training, and Awareness	MP-RTQP-14.4 Personnel Qualification and Certification	Section 6.2, Industrial Safety/ Industrial Hygiene Organization Roles and Responsibilities Section 11.0, Training and Information
851.20(a)(3)	Assign worker safety and health program responsibilities, evaluate personnel performance, and hold personnel accountable for worker safety and health performance	DSA Chapter 17, Management, Organization, and Institutional Safety Provisions	Section A.6, Roles and Responsibilities Appendix A, AMWTP Position Roles and Responsibilities		MP-COPS-9.29, Workers Rights and Responsibilities	Section 6.1, Functional Responsibilities

AMWTP LIST

LST-ISIH-02-IM, Rev. 1

Issued: 05/03/07

Effective: 05/04/07

10 CFR 851 Implementation Matrix

10 CFR 851, Worker Safety and Health Program – Specific Program Requirements

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851.20(a)(4)	Provide mechanisms to involve workers and their elected representatives in the development of worker safety and health program goals, objectives, and performance measures and in the identification and control of hazards in the workplace	DSA Chapter 8 , Protection from Physical and Chemical Hazards DSA Chapter 14 , Quality Assurance	Section A.4 , Worker Involvement in Environment, Safety, and Health Performance and Improvement	Section 2.0 , IS/IH Management System Overview	MP-COPS-9.29 , Workers Rights and Responsibilities CTR-005 , AMWTP Employee Safety Improvement Team	Section 6.1 , Functional Responsibilities Section 6.5 , Safety Communication
851.20(a)(5)	Provide workers with access to information relevant to the worker safety and health program	DSA Chapter 8 , Protection from Physical and Chemical Hazards	Section D.10 , Continuous Improvement Process, Lessons Learned, and Response to Internal and External Audits		MP-COPS-9.29 , Workers Rights and Responsibilities MP-ISIH-2.52 , Workers Safety and Health Program MP-ISIH-2.1 , Occupational Medical Program MP-DOCS-18.4 , Document Control	Section 6.3 , Informing Workers of Rights Section 6.4 , Access to Information

AMWTP LIST

LST-ISIH-02-IM, Rev. 1

Issued: 05/03/07

Effective: 05/04/07

10 CFR 851 Implementation Matrix

10 CFR 851, Worker Safety and Health Program – Specific Program Requirements

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851.20(a)(6)	Establish procedures for workers to report without reprisal job-related fatalities, injuries, illnesses, incidents, and hazards and make recommendations about appropriate ways to control those hazards	DSA Chapter 14, Quality Assurance DSA Chapter 17, Management, Organization, and Institutional Safety Provisions	Section D.10, Continuous Improvement Process, Lessons Learned, and Response to Internal and External Audits	Section 3.0, Resources, Roles, Responsibilities, and Authority	MP-ADMIN-1.8, AMWTP Employee Concerns Program MP-DOCS-18.4, Document Control	Section 6.1.1, Worker Roles and Responsibilities Section 6.6, Reporting and Responding to Events and Hazards
851.20(a)(7)	Provide for prompt response to such reports and recommendations	DSA Chapter 17, Management, Organization, and Institutional Safety Provisions	Section D.10, Continuous Improvement Process, Lessons Learned, and Response to Internal and External Audits	Section 3.2, Feedback	MP-ADMIN-1.8, AMWTP Employee Concerns Program MP-ISIH-2.43, Lessons Learned	Section 6.6, Reporting and Responding to Events and Hazards

AMWTP LIST

LST-ISIH-02-IM, Rev. 1

Issued: 05/03/07

Effective: 05/04/07

10 CFR 851 Implementation Matrix

10 CFR 851, Worker Safety and Health Program – Specific Program Requirements

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851.20(a)(8)	Provide for regular communication with workers about workplace safety and health matters	<p>DSA Chapter 8, Protection Against Physical and Chemical Hazards</p> <p>DSA Chapter 11, Operational Safety</p> <p>DSA Chapter 17, Management, Organization, and Institutional Safety Provisions</p>	Section D.4.4, Stop Work Authority	Section 3.2, Feedback	<p>MP-COPS-9.29, Workers Rights and Responsibilities</p> <p>MP-ISIH-2.4, Lessons Learned</p> <p>MP-ISIH-2.11, IH Program</p> <p>AMWTP Safety Toolboxes</p> <p>AMWTP Intranet Resources</p>	Section 6.5, Safety Communication

AMWTP LIST

LST-ISIH-02-IM, Rev. 1

Issued: 05/03/07

Effective: 05/04/07

10 CFR 851 Implementation Matrix

10 CFR 851, Worker Safety and Health Program – Specific Program Requirements

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851.20(a)(9)	Establish procedures to permit workers to stop work or decline to perform an assigned task because of a reasonable belief that the task poses an imminent risk of death, serious physical harm, or other serious hazard to workers, in circumstances where the workers believe there is insufficient time to utilize normal hazard reporting and abatement procedures	DSA Chapter 14, Quality Assurance	Section D.4.4, Stop Work Authority		MP-COPS-9.29, Workers Rights and Responsibilities	Section 6.1, Functional Responsibilities
851.20(a)(10)	Inform workers of their rights and responsibility by appropriate means, including posting the DOE-designed Worker Protection Poster in the workplace where it is accessible to all workers.	DSA Chapter 11, Operational Safety	Section D.4.4, Stop Work Authority		MP-ISIH-2.52, Workers Safety and Health Program Workplace Protection Poster posted throughout facilities	Section 6.3, Informing Workers of Rights

AMWTP LIST

LST-ISIH-02-IM, Rev. 1

Issued: 05/03/07

Effective: 05/04/07

10 CFR 851 Implementation Matrix

10 CFR 851, Worker Safety and Health Program – Specific Program Requirements

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851.20(b)	Worker rights and responsibilities				MP-COPS-9.29 , Workers Rights and Responsibilities	Section 6.3 , Informing Workers of Rights
851.20(b)(1)	Participate in activities described in this section on official time	DSA Chapter 8 , Protection Against Physical and Chemical Hazards	Section D.4.4 , Stop Work Authority		MP-COPS-9.29 , Workers Rights and Responsibilities	Section 6.0 , Management Responsibilities and Workers Rights and Responsibilities
851.20(b)(2)	Have access to: (i) DOE safety and health publications (ii) The worker safety and health program for the covered workplace (iii) The standards, controls and procedures applicable to the covered workplace (iv) The safety and health poster that informs the worker of relevant rights and responsibilities	DSA Chapter 8 , Protection Against Physical and Chemical Hazards		Section 3.2 , Feedback	MP-COPS-9.29 , Workers Rights and Responsibilities MP-DOCS-18.4 , Document Control MP-ISIH-2.1 , Occupational Medical Program MP-ISIH-2.7 , Chronic Beryllium Disease Prevention Plan NOTE: OSHA <i>Posters posted at various locations at AMWTP site and in town.</i>	Section 6.4 , Access to Information

AMWTP LIST

LST-ISIH-02-IM, Rev. 1

Issued: 05/03/07

Effective: 05/04/07

10 CFR 851 Implementation Matrix

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	(v) Limited information on any recordkeeping log (OSHA Form 300) (vi) The DOE Form 5484.3 (the DOE equivalent to OSHA Form 301) that contains the employee's name as the injured or ill worker					
851.20(b)(3)	Be notified when monitoring results indicate the worker was overexposed to hazardous materials	DSA Chapter 8, Protection Against Physical and Chemical Hazards			MP-COPS-9.29, Workers Rights and Responsibilities MP-ISIH-2.1, Occupational Medical Program MP-ISIH-2.7, Chronic Beryllium Disease Prevention Plan MP-ISIH-2.11, IH Program	Section 6.3, Informing Workers of Rights Section 7.0, Hazard Identification and Assessment

AMWTP LIST

LST-ISIH-02-IM, Rev. 1

Issued: 05/03/07

Effective: 05/04/07

10 CFR 851 Implementation Matrix

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851.20(b)(4)	Observe monitoring or measure of hazardous agents and have the results of their own exposure monitoring				<p>MP-COPS-9.29, Workers Rights and Responsibilities</p> <p>INST-ISIH-2.11.3, Industrial Hygiene Sampling Program</p> <p>MP-ISIH-2.7, Chronic Beryllium Disease Prevention Plan</p>	<p>Section 6.2.3, ISIH Professionals</p> <p>Section 7.0, Hazard Identification and Assessment</p>
851.20(b)(5)	Have a representative authorized by the employees accompany the Director or his authorized personnel during the physical inspection of the workplace for the purpose of aiding the inspection		<p>Section D.10, Continuous Improvement Process, Lessons Learned, and Response to Internal and External Audits</p>		<p>MP-COPS-9.29, Workers Rights and Responsibilities</p>	<p>Section 6.1, Functional Responsibilities</p>

AMWTP LIST

LST-ISIH-02-IM, Rev. 1

Issued: 05/03/07

Effective: 05/04/07

10 CFR 851 Implementation Matrix

10 CFR 851, Worker Safety and Health Program – Specific Program Requirements

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851.20(b)(6)	Request and receive results of inspections and accident investigations	DSA Chapter 8, Protection Against Physical and Chemical Hazards	Section D.10, Continuous Improvement Process, Lessons Learned, and Response to Internal and External Audits		MP-COPS-9.29, Workers Rights and Responsibilities	Section 6.4, Access to Information
851.20(b)(7)	Express concerns related to worker safety and health	DSA Chapter 14, Quality Assurance DSA Chapter 17, Management, Organization, and Institutional Safety Provisions	Section A.4, Worker Involvement in Environment, Safety, and Health Performance and Improvement Section D.4.4, Stop Work Authority		MP-COPS-9.29, Workers Rights and Responsibilities GDE-10, Employee Handbook	Section 6.1, Functional Responsibilities Section 6.23, ISIH Professionals Section 6.6, Reporting and Responding to Events and Hazards

AMWTP LIST

LST-ISIH-02-IM, Rev. 1

Issued: 05/03/07

Effective: 05/04/07

10 CFR 851 Implementation Matrix

10 CFR 851, Worker Safety and Health Program – Specific Program Requirements

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851.20(b)(8)	Decline to perform an assigned task because of a reasonable belief that, under the circumstances, the task poses an imminent risk of death or serious physical harm to the worker coupled with a reasonable belief that there is insufficient time to seek effective redress through normal hazard reporting and abatement procedures	DSA Chapter 14, Quality Assurance	Section A.4, Worker Involvement in Environment, Safety, and Health Performance and Improvement Section D.4.4, Stop Work Authority		MP-COPS-9.29, Workers Rights and Responsibilities GDE-10, Employee Handbook	Section 6.7, Stop Work Authority

AMWTP LIST

LST-ISIH-02-IM, Rev. 1

Issued: 05/03/07

Effective: 05/04/07

10 CFR 851 Implementation Matrix

10 CFR 851, Worker Safety and Health Program – Specific Program Requirements

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851.20(b)(9)	Stop work when the worker discovers employee exposures to imminently dangerous conditions or other serious hazards; provided that any stop work authority must be exercised in a justifiable and responsible manner in accordance with procedures established in the approved worker safety and health program	DSA Chapter 14, Quality Assurance	Section A.4, Worker Involvement in Environment, Safety, and Health Performance and Improvement Section D.4.4, Stop Work Authority		MP-COPS-9.29, Workers Rights and Responsibilities GDE-10, Employee Handbook	Section 6.7, Stop Work Authority

AMWTP LIST

LST-ISIH-02-IM, Rev. 1

Issued: 05/03/07

Effective: 05/04/07

10 CFR 851 Implementation Matrix

10 CFR 851, Worker Safety and Health Program – Specific Program Requirements

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851.21 Hazard Identification and Assessment						
851.21(a)	Contractors must establish procedures to identify existing and potential workplace hazards and assess the risk of associated workers injury and illness. Procedures must include methods to:	DSA Chapter 3, Hazard and Accident Analysis DSA Chapter 8, Protection Against Physical and Chemical Hazards	Section D.3.11, Process Hazard Analysis Section D.16, Safe Work Control and Hazard Assessment	Section 1.0, Purpose/Scope Section 2.0, IS/IH Management System Overview Section 5.0, References	MP-ISIH-2.11, IH Program INST-ISIH-2.11.9, IH Exposure Assessment INST-COPS-9.18.4, Hazard Assessment MP-DOCS-18.4, Document Control	Section 7.0, Hazard Identification and Assessment
851.21(a)(1)	Assess worker exposure to chemical, physical, biological, or safety workplace hazards through appropriate workplace monitoring	DSA Chapter 3, Hazard and Accident Analysis DSA Chapter 8, Protection Against Physical and Chemical Hazards	Section D.4, Industrial Safety/Industrial Hygiene Program Section D.15, Waste Management Program Section D.16, Safe Work Control and Hazard Assessment	Section 2.1, Industrial Safety/Industrial Hygiene Section 5.0, References	MP-ISIH-2.11, IH Program INST-ISIH-2.11.9, IH Exposure Assessment INST-COPS-9.18.4, Hazard Assessment	Section 6.2.3, ISIH Professionals Section 7.0, Hazard Identification and Assessment

AMWTP LIST

LST-ISIH-02-IM, Rev. 1

Issued: 05/03/07

Effective: 05/04/07

10 CFR 851 Implementation Matrix

10 CFR 851, Worker Safety and Health Program – Specific Program Requirements

Section Number	Section Title/Description	Documented Safety Analysis (DSA)	Environmental Safety and Health Program Operating Plan (ESHPOP)	IS/IH Program Description Document PD-ISIH-01	Management Procedures and Instructions	Worker Safety and Health Plan
851.21(a)(2)	Document assessment for chemical, physical, biological, and safety workplace hazards using recognized exposure assessment and testing methodologies and using of accredited and certified laboratories	DSA Chapter 3, Hazard and Accident Analysis DSA Chapter 8, Protection Against Physical and Chemical Hazards	Section D.16, Safe Work Control and Hazard Assessment	Section 2.1, Industrial Safety/ Industrial Hygiene Section 5.0, References	MP-ISIH-2.11, IH Program INST-ISIH-2.11.9, IH Exposure Assessment INST-COPS-9.18.4, Hazard Assessment MP-DOCS-18.4, Document Control	Section 6.4, Access to Information Section 7.0, Hazard Identification and Assessment Section 8.0, Hazard Prevention and Abatement
851.21(a)(3)	Record observations, testing and monitoring results	DSA Chapter 3, Hazard and Accident Analysis DSA Chapter 8, Protection Against Physical and Chemical Hazards		Section 2.1, Industrial Safety/ Industrial Hygiene Section 5.0, References	MP-ISIH-2.11, IH Program INST-COPS-9.18.4, Hazard Assessment MP-DOCS-18.4, Document Control	Section 6.4, Access to Information Section 7.0, Hazard Identification and Assessment Section 8.0, Hazard Prevention and Abatement

AMWTP LIST

LST-ISIH-02-IM, Rev. 1

Issued: 05/03/07

Effective: 05/04/07

10 CFR 851 Implementation Matrix

10 CFR 851, Worker Safety and Health Program – Specific Program Requirements

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851.21(a)(4)	Analyze designs of new facilities and modifications to existing facilities and equipment for potential workplace hazards	DSA Chapter 3, Hazard and Accident Analysis	Section D.3, Safety Analysis Section D.12, Engineering, Configuration Management, and Change Control Appendix A, AMWTP Position Roles and Responsibilities	Section 2.1, Industrial Safety/ Industrial Hygiene Section 5.0, References	MP-ISIH-2.11, IH Program INST-COPS-9.18.4, Hazard Assessment MP-DOCS-18.4, Document Control	Section 6.23, ISIH Professionals Section 7.0, Hazard Identification and Assessment
851.21(a)(5)	Evaluate operations, procedures and facilities to identify workplace hazards	DSA Chapter 3, Hazard and Accident Analysis DSA Chapter 8, Protection Against Physical and Chemical Hazards DSA Chapter 11, Operational Safety DSA Chapter 14, Quality Assurance	Section D.12, Engineering, Configuration Management, and Change Control Appendix A, AMWTP Position Roles and Responsibilities	Section 2.1, Industrial Safety/ Industrial Hygiene Section 5.0, References	MP-ISIH-2.11, IH Program INST-COPS-9.18.4, Hazard Assessment MP-DOCS-18.4, Document Control	Section 6.2, ISIH Organization Roles and Responsibilities Section 7.0, Hazard Identification and Assessment

AMWTP LIST

LST-ISIH-02-IM, Rev. 1

Issued: 05/03/07

Effective: 05/04/07

10 CFR 851 Implementation Matrix

10 CFR 851, Worker Safety and Health Program – Specific Program Requirements

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851.21(a)(6)	Perform routine job-activity-level hazard analyses	DSA Chapter 3, Hazard and Accident Analysis DSA Chapter 8, Protection Against Physical and Chemical Hazards	Section A.4, Worker Involvement in Environment, Safety, and Health Performance and Improvement		MP-ISIH-2.11, IH Program INST-ISIH-2.11.9, IH Exposure Assessment INST-COPS-9.18.4, Hazard Assessment MP-DOCS-18.4, Document Control	Section 7.0, Hazard Identification and Assessment
851.21(a)(7)	Review site safety and health experience information	DSA Chapter 17, Management, Organizational, and Institutional Safety Provisions	Section D.4, ISIH Program Appendix A, AMWTP Position Roles and Responsibilities		MP-ISIH-2.11, IH Program INST-COPS-9.18.4, Hazard Assessment MP-DOCS-18.4, Document Control	Section 4.0, Implementation Section 5.0, 10 CFR 851 Safety Review
851.21(a)(8)	Consider interaction between workplace hazards and other hazards such as radiological hazards	DSA Chapter 3, Hazard and Accident Analysis DSA Chapter 8, Protection Against Physical and Chemical Hazards	Section D.3, Safety Analysis Process Appendix A, AMWTP Position Roles and Responsibilities	Section 2.0, IS/IH Management System Overview Section 5.0, References	MP-ISIH-2.11, IH Program PD-COPS-9.18, Work Control INST-COPS-9.18.4, Hazard Assessment MP-DOCS-18.4, Document Control	Section 7.0, Hazard Identification and Assessment

AMWTP LIST

LST-ISIH-02-IM, Rev. 1

Issued: 05/03/07

Effective: 05/04/07

10 CFR 851 Implementation Matrix

10 CFR 851, Worker Safety and Health Program – Specific Program Requirements

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851.21(b)	Contractors must submit to the Head of DOE Field Element a list of closure facility hazards and the established controls within 90 days after identifying such hazards.	NA	NA	NA	NA	NA
851.21(b)(1)	Achieve technical compliance; or	NA	NA	NA	NA	NA
851.21(b)(2)	Provide additional controls to protect the workers	NA	NA	NA	NA	NA
851.21(c)	Contractors must perform the activities identified in paragraph (a) of this section, initially to obtain baseline information and as often thereafter as necessary to ensure compliance with the requirements of this Subpart	DSA Chapter 3, Hazard and Accident Analysis DSA Chapter 8, Protection Against Physical and Chemical Hazards	Section D.4, ISIH Program Section D.16, Safe Work Control and Hazard Assessment	Section 2.0, IS/IH Management System Overview Section 5.0, References	MP-ISIH-2.11, IH Program INST-ISIH-2.11.9, IH Exposure Assessment	Section 7.0, Hazard Identification and Assessment

AMWTP LIST

LST-ISIH-02-IM, Rev. 1

Issued: 05/03/07

Effective: 05/04/07

10 CFR 851 Implementation Matrix

10 CFR 851, Worker Safety and Health Program – Specific Program Requirements

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851.22 Hazard prevention and abatement						
851.22(a)	Contractors must establish and implement a hazard prevention and abatement process to ensure that all identified and potential hazards are prevented or abated in a timely manner	DSA Chapter 3, Hazard and Accident Analysis	Section D.16, Safe Work Control and Hazard Assessment	Section 2.0, IS/IH Management System Overview	INST-COPS-9.18.4, Hazard Assessment MP-ISIH-2.11, IH Program	Section 8.0 Hazard Prevention and Abatement
851.22(a)(1)	For hazards identified either in the facility design or during the development of procedures, controls must be incorporated in the appropriate facility design or procedure	DSA Chapter 3, Hazard and Accident Analysis DSA Chapter 8, Protection Against Physical and Chemical Hazards DSA Chapter 11, Operational Safety	Section D.3, Safety Analysis Process Section D.10, Continuous Improvement Process, Lessons Learned, and Response to Internal and External Audits	Section 2.1, Industrial Safety / Industrial Hygiene Section 2.2, Occupational Medical Program Section 3.0, Resources, Roles, Responsibilities, and Authority Section 4.0, Specific IS/IH Program Requirements	INST-COPS-9.18.4, Hazard Assessment MP-ISIH-2.11, IH Program INST-ISIH-2.11.9, IH Exposure Assessment MP-ISIH-01-IM, IH Implementation Matrix	Section 8.0 Hazard Prevention and Abatement

AMWTP LIST

LST-ISIH-02-IM, Rev. 1

Issued: 05/03/07

Effective: 05/04/07

10 CFR 851 Implementation Matrix

10 CFR 851, Worker Safety and Health Program – Specific Program Requirements

Section Number	Section Title/Description	Documented Safety Analysis (DSA)	Environmental Safety and Health Program Operating Plan (ESHPOP)	IS/IH Program Description Document PD-ISIH-01	Management Procedures and Instructions	Worker Safety and Health Plan
851.22(a)(2)	For existing hazards identified in the workplace, contractors must: (i) Prioritize and implement abatement actions according to the risk to workers (ii) Implement interim protective measures pending final abatement (iii) Protect workers from dangerous safety and health conditions	DSA Chapter 3, Hazard and Accident Analysis DSA Chapter 8, Protection Against Physical and Chemical Hazards	Section D.3, Safety Analysis Process	Section 2.0, IS/IH Management System Overview Section 3.0, Resources, Roles, Responsibilities, and Authority Section 4.0, Specific IS/IH Program Requirements	INST-COPS-9.18.4, Hazard Assessment MP-ISIH-01-IM, IH Implementation Matrix MP-ISIH-2.1, Occupational Medical Program MP-ISIH-2.11, IH Program MP-ISIH-2.49, Fire Protection Program	Section 7.0, Hazard Identification and Assessment Section 8.0 Hazard Prevention and Abatement
851.22(b)	Contractors must select hazard controls based on the following hierarchy:					

AMWTP LIST

LST-ISIH-02-IM, Rev. 1

Issued: 05/03/07

Effective: 05/04/07

10 CFR 851 Implementation Matrix

10 CFR 851, Worker Safety and Health Program – Specific Program Requirements

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851.22(b)(1)	Elimination or substitution of the hazards where feasible and appropriate	<p>DSA Chapter 3, Hazard and Accident Analysis</p> <p>DSA Chapter 5, Derivation of Technical Safety Requirements</p> <p>DSA Chapter 8, Protection Against Physical and Chemical Hazards</p>	Section D.4, ISIH Program	<p>Section 2.0, IS/IH Management System Overview</p> <p>Section 3.0, Resources, Roles, Responsibilities, and Authority</p> <p>Section 4.0, Specific IS/IH Program Requirements</p>	<p>INST-COPS-9.18.4, Hazard Assessment</p> <p>MP-ISIH-01-IM, IH Implementation Matrix</p> <p>MP-ISIH-2.1, Occupational Medical Program</p> <p>MP-ISIH-2.11, IH Program</p> <p>MP-ISIH-2.49, Fire Protection Program</p>	Section 8.0 Hazard Prevention and Abatement

AMWTP LIST

LST-ISIH-02-IM, Rev. 1

Issued: 05/03/07

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10 CFR 851 Implementation Matrix

10 CFR 851, Worker Safety and Health Program – Specific Program Requirements

Section Number	Section Title/Description	Documented Safety Analysis (DSA)	Environmental Safety and Health Program Operating Plan (ESHPOP)	IS/IH Program Description Document PD-ISIH-01	Management Procedures and Instructions	Worker Safety and Health Plan
851.22(b)(2)	Engineering controls where feasible and appropriate	<p>DSA Chapter 3, Hazard and Accident Analysis</p> <p>DSA Chapter 5, Derivation of Technical Safety Requirements</p> <p>DSA Chapter 8, Protection Against Physical and Chemical Hazards</p>	Section D.4, ISIH Program	<p>Section 2.0, IS/IH Management System Overview</p> <p>Section 3.0, Resources, Roles, Responsibilities, and Authority</p> <p>Section 4.0, Specific IS/IH Program Requirements</p>	<p>INST-COPS-9.18.4, Hazard Assessment</p> <p>MP-ISIH-01-IM, IH Implementation Matrix</p> <p>MP-ISIH-2.1, Occupational Medical Program</p> <p>MP-ISIH-2.11, IH Program</p> <p>MP-ISIH-2.49, Fire Protection Program</p>	Section 8.0 Hazard Prevention and Abatement

AMWTP LIST

LST-ISIH-02-IM, Rev. 1

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10 CFR 851 Implementation Matrix

10 CFR 851, Worker Safety and Health Program – Specific Program Requirements

Section Number	Section Title/Description	Documented Safety Analysis (DSA)	Environmental Safety and Health Program Operating Plan (ESHPOP)	IS/IH Program Description Document PD-ISIH-01	Management Procedures and Instructions	Worker Safety and Health Plan
851.22(b)(3)	Work practices and administrative controls that limit worker exposures	<p>DSA Chapter 3, Hazard and Accident Analysis</p> <p>DSA Chapter 5, Derivation of Technical Safety Requirements</p> <p>DSA Chapter 8, Protection Against Physical and Chemical Hazards</p>	Section D.4, ISIH Program	<p>Section 2.0, IS/IH Management System Overview</p> <p>Section 3.0, Resources, Roles, Responsibilities, and Authority</p> <p>Section 4.0, Specific IS/IH Program Requirements</p>	<p>INST-COPS-9.18.4, Hazard Assessment</p> <p>MP-ISIH-01-IM, IH Implementation Matrix</p> <p>MP-ISIH-2.1, Occupational Medical Program</p> <p>MP-ISIH-2.11, IH Program</p> <p>MP-ISIH-2.49, Fire Protection Program</p>	Section 8.0 Hazard Prevention and Abatement

AMWTP LIST

LST-ISIH-02-IM, Rev. 1

Issued: 05/03/07

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10 CFR 851 Implementation Matrix

10 CFR 851, Worker Safety and Health Program – Specific Program Requirements

Section Number	Section Title/Description	Documented Safety Analysis (DSA)	Environmental Safety and Health Program Operating Plan (ESHPOP)	IS/IH Program Description Document PD-ISIH-01	Management Procedures and Instructions	Worker Safety and Health Plan
851.22(b)(4)	Personal protective equipment	<p>DSA Chapter 3, Hazard and Accident Analysis</p> <p>DSA Chapter 5, Derivation of Technical Safety Requirements</p> <p>DSA Chapter 8, Protection Against Physical and Chemical Hazards</p>	Section D.4, ISIH Program	<p>Section 2.0, IS/IH Management System Overview</p> <p>Section 3.0, Resources, Roles, Responsibilities, and Authority</p> <p>Section 4.0, Specific IS/IH Program Requirements</p>	<p>INST-COPS-9.18.4, Hazard Assessment</p> <p>MP-ISIH-01-IM, IH Implementation Matrix</p> <p>MP-ISIH-2.1, Occupational Medical Program</p> <p>MP-ISIH-2.11, IH Program</p> <p>MP-ISIH-2.49, Fire Protection Program</p>	Section 8.0 Hazard Prevention and Abatement
851.22(c)	Contractors must address hazards when selecting or purchasing equipment, products and services	DSA Chapter 8, Protection Against Physical and Chemical Hazards	<p>Section C.2, Acquisition Management</p> <p>Section D.3, Safety Analysis</p>		<p>MP-PCMT-15.1, Purchase Requisition Preparation</p> <p>MP-ISIH-2.5, Hazard Communication</p>	Section 6.2.3, ISIH Professionals

AMWTP LIST

LST-ISIH-02-IM, Rev. 1

Issued: 05/03/07

Effective: 05/04/07

10 CFR 851 Implementation Matrix

10 CFR 851, Worker Safety and Health Program – Specific Program Requirements

Section Number	Section Title/Description	Documented Safety Analysis (DSA)	Environmental Safety and Health Program Operating Plan (ESHPOP)	IS/IH Program Description Document PD-ISIH-01	Management Procedures and Instructions	Worker Safety and Health Plan
851.23						
Safety and health standards						
851.23(a)	Contractors must comply with the following safety and health standards that are applicable to the hazards at their covered workplace:	<p>DSA Chapter 2, Facility Description</p> <p>DSA Chapter 5.6, Administrative Controls</p> <p>DSA Chapter 8, Protection Against Physical and Chemical Hazards</p> <p>DSA Chapter 11, Operational Safety</p> <p>DSA Chapter 12, Procedures and Training</p> <p>DSA Chapter 15, Emergency Preparedness Program</p>	Section D.16, Safe Work Control and Hazard Assessment	<p>Section 1.0, Purpose/Scope</p> <p>Section 2.0, IS/IH Management System Overview</p> <p>Section 3.0, Resources, Roles, Responsibilities, and Authority</p> <p>Section 4.0, Specific IS/IH Program Requirements</p>	<p>MP-ISIH-01-IM, IH Implementation Matrix</p> <p>MP-ISIH-2.1, Occupational Medical Program</p> <p>MP-ISIH-2.11, IH Program</p> <p>MP-ISIH-2.49, Fire Protection Program</p> <p>MP-ISIH-2.41, Motorized Vehicles</p> <p>MP-CMNT-10.9, Electrical Safety Program</p> <p>MP-CMNT-10.2, Pressurized Systems</p>	Section 9.0, Safety and Health Standards

AMWTP LIST

LST-ISIH-02-IM, Rev. 1

Issued: 05/03/07

Effective: 05/04/07

10 CFR 851 Implementation Matrix

10 CFR 851, Worker Safety and Health Program – Specific Program Requirements

Section Number	Section Title/Description	Documented Safety Analysis (DSA)	Environmental Safety and Health Program Operating Plan (ESHPOP)	IS/IH Program Description Document PD-ISIH-01	Management Procedures and Instructions	Worker Safety and Health Plan
851.23(a)(1)	Title 10 Code of Federal Regulations (CFR) 850, “Chronic Beryllium Disease Prevention Program”			Section 4.18, Chronic Beryllium Disease Prevention Program	<p>MP-ISIH-2.7, Chronic Beryllium Disease Prevention Plan (CBDPP)</p> <p>INST-ISIH 2.7.1, Beryllium Control Measures For The Characterization and Evaluation of Upset Conditions</p> <p>MP-ISIH-2.5, Hazard Communication Program</p> <p>INST-COPS-9.18.4, Hazard Assessment</p> <p>INST-2.11.9, Industrial Hygiene Exposure Assessment</p> <p>MP-ISIH-2.11, Industrial Hygiene Program</p> <p>INST-ISIH-2.11.1, Common Occupational Health Hazards</p> <p>INST-ISIH-2.11.2, Industrial Hygiene Action Levels and Controls</p>	Section 9.1, Chronic Beryllium Disease Prevention Program

AMWTP LIST

LST-ISIH-02-IM, Rev. 1

Issued: 05/03/07

Effective: 05/04/07

10 CFR 851 Implementation Matrix

10 CFR 851, Worker Safety and Health Program – Specific Program Requirements

Section Number	Section Title/Description	Documented Safety Analysis (DSA)	Environmental Safety and Health Program Operating Plan (ESHPOP)	IS/IH Program Description Document PD-ISIH-01	Management Procedures and Instructions	Worker Safety and Health Plan
	Title 10 Code of Federal Regulations (CFR) 850, “Chronic Beryllium Disease Prevention Program” (cont.)				<p>INST-ISIH-2.11.3, Industrial Hygiene Sampling Program</p> <p>INST-ISIH-2.11.4, Industrial Hygiene Sampling Procedure</p> <p>MP-ISIH-2.18, Respiratory Protection</p> <p>MP-ISIH-2.2, Personal Protective Equipment</p> <p>MP-ISIH-2.32, Housekeeping</p> <p>MP-ISIH-2.1, Occupational Medical Program</p> <p>MP-ISIH-2.5, Hazard Communication Program</p> <p>MP-ISIH-2.26, Signs Tags and Barricades</p> <p>INST-ISIH-2.11.5, Industrial Hygiene Forms and Records</p>	

AMWTP LIST

LST-ISIH-02-IM, Rev. 1

Issued: 05/03/07

Effective: 05/04/07

10 CFR 851 Implementation Matrix

10 CFR 851, Worker Safety and Health Program – Specific Program Requirements

Section Number	Section Title/Description	Documented Safety Analysis (DSA)	Environmental Safety and Health Program Operating Plan (ESHPOP)	IS/IH Program Description Document PD-ISIH-01	Management Procedures and Instructions	Worker Safety and Health Plan
851.23(a)(2)	Title 29 CFR, Parts 1904.4 through 1904.11, 1904.29 through 1904.33; 1904.44, and 1904.46, “Recording and Reporting Occupational Injuries and Illnesses”			<p>Section 2.2, Occupational Medical Program</p> <p>Section 2.4.3, Records Retention</p>	<p>MP-ISIH-2.1, Occupational Medical Program</p> <p>ESH-002.1, Reporting of ES&H/QA Performance to Corporate</p>	<p>Section 9.2, Recording and Reporting Occupational Injuries and Illnesses</p>
851.23(a)(3)	Title 29 CFR Part 1910, “Occupational Safety and Health Standards,” excluding 29 CFR 1910.1096, “Ionizing Radiation.”					

AMWTP LIST

LST-ISIH-02-IM, Rev. 1

Issued: 05/03/07

Effective: 05/04/07

10 CFR 851 Implementation Matrix

10 CFR 851, Worker Safety and Health Program – Specific Program Requirements

Section Number	Section Title/Description	Documented Safety Analysis (DSA)	Environmental Safety and Health Program Operating Plan (ESHPOP)	IS/IH Program Description Document PD-ISIH-01	Management Procedures and Instructions	Worker Safety and Health Plan
	Title 29 CFR 1910, Subpart D – <i>Walking – Working Surfaces</i>			Section 4.1, Walking – Working Surfaces and Scaffolds	MP-ISIH-2.20, Scaffolding MP-ISIH-2.22, Ladders MP-ISIH-2.23, Fall Protection MP-ISIH-2.27, Stairs, Railings and Toe Boards MP-ISIH-2.32, Housekeeping	Section 9.3.1, Walking – Working Surfaces and Scaffolds

AMWTP LIST

LST-ISIH-02-IM, Rev. 1

Issued: 05/03/07

Effective: 05/04/07

10 CFR 851 Implementation Matrix

10 CFR 851, Worker Safety and Health Program – Specific Program Requirements

Section Number	Section Title/Description	Documented Safety Analysis (DSA)	Environmental Safety and Health Program Operating Plan (ESHPOP)	IS/IH Program Description Document PD-ISIH-01	Management Procedures and Instructions	Worker Safety and Health Plan
	Title 29 CFR 1910, Subpart E – <i>Means of Egress</i>			Section 4.2, Means of Egress	MP-CMNT-10.6, Fire Protection INST-CMNT-10.6.3, Fire Prevention MP-EP&C-12.1, AMWTP Emergency Plan/RCRA Contingency Plan MP-ISIH-2.32, Housekeeping MP-ISIH-2.35, Office Safety and Inspections MP-ISIH-2.37, Means of Egress	Section 9.3.2, Means of Egress
	Title 29 CFR 1910, Subpart F – <i>Powered Platforms, Manlifts, and Vehicle-Mounted Work Platforms</i>			Section 4.4, Powered Platforms, Manlifts, and Vehicle Mounted Work Platforms	MP-ISIH-2.23, Fall Protection MP-ISIH-2.28, Aerial lifts	Section 9.3.3, Powered Platforms, Manlifts and Vehicle Mounted Work Platforms

AMWTP LIST

LST-ISIH-02-IM, Rev. 1

Issued: 05/03/07

Effective: 05/04/07

10 CFR 851 Implementation Matrix

10 CFR 851, Worker Safety and Health Program – Specific Program Requirements

Section Number	Section Title/Description	Documented Safety Analysis (DSA)	Environmental Safety and Health Program Operating Plan (ESHPOP)	IS/IH Program Description Document PD-ISIH-01	Management Procedures and Instructions	Worker Safety and Health Plan
	Title 29 CFR 1910, Subpart G – <i>Occupational Health and Environmental Controls</i>			Section 4.6, Occupational Health and Environmental Controls	MP-ISIH-2.4, Controlling and Monitoring Exposure to Noise MP-ISIH-2.16, Nonionizing Radiation	Section 9.3.4, Occupational Health and Environmental Control
	Title 29 CFR 1910, Subpart H – <i>Hazardous Materials</i>			Section 4.7, Hazardous Materials	MP-CMNT-10.2, Pressurized Systems INST-CMNT-10.2.2, Compressed Gas Systems MP-CMNT-10.6, Fire Protection INST-CMNT-10.6.1, Flammable and Combustible Liquids MP-ISIH-2.5, Hazard Communication Program MP-ISIH-02-IM, HAZWOPER Implementation Matrix	Section 9.3.5, Hazardous Materials

AMWTP LIST

LST-ISIH-02-IM, Rev. 1

Issued: 05/03/07

Effective: 05/04/07

10 CFR 851 Implementation Matrix

10 CFR 851, Worker Safety and Health Program – Specific Program Requirements

Section Number	Section Title/Description	Documented Safety Analysis (DSA)	Environmental Safety and Health Program Operating Plan (ESHPOP)	IS/IH Program Description Document PD-ISIH-01	Management Procedures and Instructions	Worker Safety and Health Plan
	Title 29 CFR 1910, Subpart I – <i>Personal Protective Equipment</i>			Section 4.8, Personal Protective Equipment	MP-CMNT-10.9, Electrical Safety MP-ISIH-2.1, Occupational Medical Program MP-ISIH-2.2, Personal Protective Equipment MP-ISIH-2.18, Respiratory Protection	Section 9.3.6, Personnel Protective Equipment
	Title 29 CFR 1910, Subpart J – <i>General Environmental Controls</i>			Section 4.9, General Environmental Controls	MP-COPS-9.18.3, Lockout/Tagout MP-ISIH-2.6, Confined Space Program MP-ISIH-2.26, Signs and Barricades	Section 9.3.7, General Environmental Controls

AMWTP LIST

LST-ISIH-02-IM, Rev. 1

Issued: 05/03/07

Effective: 05/04/07

10 CFR 851 Implementation Matrix

10 CFR 851, Worker Safety and Health Program – Specific Program Requirements

Section Number	Section Title/Description	Documented Safety Analysis (DSA)	Environmental Safety and Health Program Operating Plan (ESHPOP)	IS/IH Program Description Document PD-ISIH-01	Management Procedures and Instructions	Worker Safety and Health Plan
	Title 29 CFR 1910, Subpart K – <i>Medical and First Aid</i>			Section 4.10, Medical and First Aid	MP-ISIH-2.1, Occupational Medical Program MP-ISIH-2.15, Use of First Aid Kits MP-ISIH-2.35, Office Safety and Inspections	Section 9.3.8, Medical and First Aid
	Title 29 CFR 1910, Subpart M – <i>Compressed Gas and Compressed Air Equipment</i>			Section 4.11, Compressed Gas and Compressed Air Equipment	MP-CMNT-10.2, Pressurized Systems INST-CMNT-10.2.1, Pressurized System Inspection INST-CMNT-10.2.2, Compressed Gas Systems	Section 9.3.9, Compressed Gas and Compressed Air Equipment

AMWTP LIST

LST-ISIH-02-IM, Rev. 1

Issued: 05/03/07

Effective: 05/04/07

10 CFR 851 Implementation Matrix

10 CFR 851, Worker Safety and Health Program – Specific Program Requirements

Section Number	Section Title/Description	Documented Safety Analysis (DSA)	Environmental Safety and Health Program Operating Plan (ESHPOP)	IS/IH Program Description Document PD-ISIH-01	Management Procedures and Instructions	Worker Safety and Health Plan
	Title 29 CFR 1910, Subpart N – <i>Material Handling and Storage</i>			Section 4.12, Material Handling and Storage	MP-CMNT-10.8, Hoisting and Rigging INST-CMNT-10.8.1, Control of Hoisting and Rigging Equipment INST-CMNT-10.8.2, Production Lifting Activities MP-ISIH-2.32, Housekeeping MP-ISIH-2.38, Material Handling and Storage MP-ISIH-2.41, Motorized Vehicles and Heavy Equipment	Section 9.3.10, Material Handling and Storage
	Title 29 CFR 1910, Subpart O – <i>Machinery and Machine Guarding</i>			Section 4.13, Machinery and Machine Guarding	MP-ISIH-2.21, Machine Guarding MP-ISIH-2.30, Hand and Power Tools	Section 9.3.11, Machinery and Machine Guarding

AMWTP LIST

LST-ISIH-02-IM, Rev. 1

Issued: 05/03/07

Effective: 05/04/07

10 CFR 851 Implementation Matrix

10 CFR 851, Worker Safety and Health Program – Specific Program Requirements

Section Number	Section Title/Description	Documented Safety Analysis (DSA)	Environmental Safety and Health Program Operating Plan (ESHPOP)	IS/IH Program Description Document PD-ISIH-01	Management Procedures and Instructions	Worker Safety and Health Plan
	Title 29 CFR 1910, Subpart P – <i>Hand and Portable Powered Tools and Other Hand Held Equipment</i>			Section 4.14, Hand and Portable Powered Tools and Other Hand-held Equipment	MP-ISIH-2.21, Machine Guarding MP-ISIH-2.30, Hand and Power Tools	Section 9.3.12, Hand and Portable Powered Tools and Other Hand Held Equipment
	Title 29 CFR 1910, Subpart Q – <i>Welding, Cutting and Brazing</i>			Section 4.15, Welding, Cutting and Brazing	MP-CMNT-10.11, Welding Program MP-ISIH-2.36, Welding, Cutting, and Other Hot Work INST-2.11.9, Industrial Hygiene Exposure Assessment MP-ISIH-2.11, Industrial Hygiene Program	Section 9.3.13, Welding, Cutting, and Brazing

AMWTP LIST

LST-ISIH-02-IM, Rev. 1

Issued: 05/03/07

Effective: 05/04/07

10 CFR 851 Implementation Matrix

10 CFR 851, Worker Safety and Health Program – Specific Program Requirements

Section Number	Section Title/Description	Documented Safety Analysis (DSA)	Environmental Safety and Health Program Operating Plan (ESHPOP)	IS/IH Program Description Document PD-ISIH-01	Management Procedures and Instructions	Worker Safety and Health Plan
	Title 29 CFR 1910, Subpart S – <i>Electrical - General</i>			Section 4.16, Electrical	MP-CMNT-10.9, Electrical Safety MP-ISIH-2.28, Aerial lifts MP-ISIH-2.35, Office Safety and Inspections INST-COPS-9.18.3, Lockout Tagout	Section 9.3.14, Electrical

AMWTP LIST

LST-ISIH-02-IM, Rev. 1

Issued: 05/03/07

Effective: 05/04/07

10 CFR 851 Implementation Matrix

10 CFR 851, Worker Safety and Health Program – Specific Program Requirements

Section Number	Section Title/Description	Documented Safety Analysis (DSA)	Environmental Safety and Health Program Operating Plan (ESHPOP)	IS/IH Program Description Document PD-ISIH-01	Management Procedures and Instructions	Worker Safety and Health Plan
	Title 29 CFR 1910, Subpart Z – <i>Toxic and Hazardous Substances</i>			Section 4.17, Toxic and Hazardous Substances	INST- 2.11.9, Industrial Hygiene Exposure Assessment MP-ISIH-2.1, Occupational Medical Program MP-ISIH-2.5, Hazard Communication Program MP-ISIH-2.11, Industrial Hygiene Program INST-ISIH-2.11.1, Common Occupational Health Hazards INST-ISIH-2.11.2, Industrial Hygiene Action Levels and Controls RPT-ESH-049, Hydrogen Deflagration Mitigation Process	Section 9.3.15, Toxic and Hazardous Substances Section 9.3.16, Hydrogen Deflagration Mitigation Process

AMWTP LIST

LST-ISIH-02-IM, Rev. 1

Issued: 05/03/07

Effective: 05/04/07

10 CFR 851 Implementation Matrix

10 CFR 851, Worker Safety and Health Program – Specific Program Requirements

Section Number	Section Title/Description	Documented Safety Analysis (DSA)	Environmental Safety and Health Program Operating Plan (ESHPOP)	IS/IH Program Description Document PD-ISIH-01	Management Procedures and Instructions	Worker Safety and Health Plan
	Title 29 CFR 1910, Subpart Z – <i>Toxic and Hazardous Substances</i> (cont.)				<p>INST-ISIH-2.11.3, Industrial Hygiene Sampling Program</p> <p>INST-ISIH-2.11.4, Industrial Hygiene Sampling Procedure</p> <p>INST-ISIH-2.11.5, Industrial Hygiene Forms and Records</p> <p>INST-ISIH-2.11.6, Industrial Hygiene Calculations</p> <p>INST-ISIH-2.11.7, Analytical Laboratory and Chain-of-Custody Procedure</p> <p>INST-ISIH-2.11.8, Maintenance and Calibration of Industrial Hygiene Equipment</p> <p>MP-ISIH-2.26, Signs and Barricades</p> <p>MP-RS&C-01-IM, Radiological Control Implementation Matrix</p>	

AMWTP LIST

LST-ISIH-02-IM, Rev. 1

Issued: 05/03/07

Effective: 05/04/07

10 CFR 851 Implementation Matrix

10 CFR 851, Worker Safety and Health Program – Specific Program Requirements

Section Number	Section Title/Description	Documented Safety Analysis (DSA)	Environmental Safety and Health Program Operating Plan (ESHPOP)	IS/IH Program Description Document PD-ISIH-01	Management Procedures and Instructions	Worker Safety and Health Plan
851.23(a)(4)	Title 29 CFR, Part 1915, “Shipyard Employment”	NA	NA	NA	NA	NA
851.23(a)(5)	Title 29 CFR, Part 1917, “Marine Terminals”	NA	NA	NA	NA	NA
851.23(a)(6)	Title 29 CFR, Part 1918, “Safety and Health Regulations for Longshoring”	NA	NA	NA	NA	NA
851.23(a)(7)	Title 29 CFR, Part 1926, “Safety and Health Regulations for Construction”					
	Title 29 CFR 1926 Subpart B – <i>General Interpretation</i>			Section 2.1, Industrial Safety / Industrial Hygiene	MP-ISIH-2.20, Scaffolding MP-ISIH-2.22, Ladders MP-ISIH-2.23, Fall Protection MP-ISIH-2.45, Subsurface Investigation and Work Execution MP-ISIH-2.41, Motorized Vehicles and Heavy Equipment	Section 9.4, Safety and Health for Construction

AMWTP LIST

LST-ISIH-02-IM, Rev. 1

Issued: 05/03/07

Effective: 05/04/07

10 CFR 851 Implementation Matrix

10 CFR 851, Worker Safety and Health Program – Specific Program Requirements

Section Number	Section Title/Description	Documented Safety Analysis (DSA)	Environmental Safety and Health Program Operating Plan (ESHPOP)	IS/IH Program Description Document PD-ISIH-01	Management Procedures and Instructions	Worker Safety and Health Plan
	Title 29 CFR 1926 Subpart L – <i>Scaffolds</i>				MP-ISIH-2.20, Scaffolding MP-ISIH-2.28, Aerial Lifts MP-ISIH-2.23, Fall Protection	Section 9.4, Safety and Health for Construction
	Title 29 CFR 1926 Subpart M – <i>Fall Protection</i>				MP-ISIH-2.23, Fall Protection	Section 9.4, Safety and Health for Construction
	Title 29 CFR 1926 Subpart O – <i>Motor Vehicles, Mechanical Equipment, and Marine Operations</i>			Section 4.3, Motor Vehicles and Mechanized Equipment	MP-ISIH-2.41, Motorized Vehicles and Heavy Equipment	Section 9.4.1, Motor Vehicles and Mechanized Equipment
	Title 29 CFR 1926 Subpart P – <i>Excavations</i>			Section 4.5, Excavations	MP-ISIH-2.45, Subsurface Investigation and Work Execution	Section 9.4, Safety and Health for Construction
	Title 29 CFR 1926 Subpart W – <i>Rollover Protective Structures, Overhead Protection</i>			Section 4.3, Motor Vehicles and Mechanized Equipment	MP-ISIH –2.41, Motorized Vehicles and Heavy Equipment	Section 9.4.1, Motor Vehicles and Mechanized Equipment

AMWTP LIST

LST-ISIH-02-IM, Rev. 1

Issued: 05/03/07

Effective: 05/04/07

10 CFR 851 Implementation Matrix

10 CFR 851, Worker Safety and Health Program – Specific Program Requirements

Section Number	Section Title/Description	Documented Safety Analysis (DSA)	Environmental Safety and Health Program Operating Plan (ESHPOP)	IS/IH Program Description Document PD-ISIH-01	Management Procedures and Instructions	Worker Safety and Health Plan
	Title 29 CFR 1926 Subpart X – <i>Ladders</i>				MP-ISIH-2.22, Ladders MP-ISIH-2.23, Fall Protection MP-ISIH-2.27, Stairs, Railings, and Toe Boards	Section 9.4, Safety and Health for Construction
851.23(a)(8)	Title 29 CFR, Part 1928, “Occupational Safety and Health Standards for Agriculture”	NA	NA	NA	NA	NA

AMWTP LIST

LST-ISIH-02-IM, Rev. 1

Issued: 05/03/07

Effective: 05/04/07

10 CFR 851 Implementation Matrix

10 CFR 851, Worker Safety and Health Program – Specific Program Requirements

Section Number	Section Title/Description	Documented Safety Analysis (DSA)	Environmental Safety and Health Program Operating Plan (ESHPOP)	IS/IH Program Description Document PD-ISIH-01	Management Procedures and Instructions	Worker Safety and Health Plan
851.23(a)(9)	American Conference of Governmental Industrial Hygienists (ACGIH), “Threshold Limit Values for Chemical Substances and Physical Agents and Biological Exposure Indices,” (2005) (incorporated by reference, see §851.27) when the ACGIH Threshold Limit Values (TLVs) are lower (more protective) than permissible exposure limits in 29 CFR 1910				INST- 2.11.9, Industrial Hygiene Exposure Assessment	Section 9.5, Threshold Limit Values for Chemical Substances and Physical Agents and Biological Exposure Indices
851.23(a)(10)	American National Standards Institute (ANSI) Z88.2, “American National Standard for Respiratory Protection,” (1992) (incorporated by reference, see §851.27)				MP-ISIH-2.18, Respiratory Protection Program	Section 9.6, American National Standard for Respiratory Protection

AMWTP LIST

LST-ISIH-02-IM, Rev. 1

Issued: 05/03/07

Effective: 05/04/07

10 CFR 851 Implementation Matrix

10 CFR 851, Worker Safety and Health Program – Specific Program Requirements

Section Number	Section Title/Description	Documented Safety Analysis (DSA)	Environmental Safety and Health Program Operating Plan (ESHPOP)	IS/IH Program Description Document PD-ISIH-01	Management Procedures and Instructions	Worker Safety and Health Plan
851.23(a)(11)	ANSI Z136.1, “Safe Use of Lasers,” (2000) (incorporated by reference, see §851.27)				MP-ISIH-2.16, Non-Ionizing Radiation	Section 9.9, Lasers
851.23(a)(12)	ANSI Z49.1, “Safety in Welding, Cutting and Allied Processes,” sections 4.3 and E4.3 (1999) (incorporated by reference, see §851.27)				MP-CMNT-10.11, Welding Program MP-ISIH-2.36, Welding, Cutting, and Other Hot Work INST-2.11.9, Industrial Hygiene Exposure Assessment MP-ISIH-2.11, Industrial Hygiene Program MP-CMNT-10.2, Pressurized Systems	Section 9.3.13 and 9.7, Welding, Cutting and Brazing

AMWTP LIST

LST-ISIH-02-IM, Rev. 1

Issued: 05/03/07

Effective: 05/04/07

10 CFR 851 Implementation Matrix

10 CFR 851, Worker Safety and Health Program – Specific Program Requirements

Section Number	Section Title/Description	Documented Safety Analysis (DSA)	Environmental Safety and Health Program Operating Plan (ESHPOP)	IS/IH Program Description Document PD-ISIH-01	Management Procedures and Instructions	Worker Safety and Health Plan
851.23(a)(13)	National Fire Protection Association (NFPA) 70, “National Electrical Code,” (2005) (incorporated by reference, see §851.27)			Section 4.16, Electrical	MP-CMNT-10.9, Electrical Safety Program	Section 9.3.14, Electrical Section 9.7, National Electrical Code
851.23(a)(14)	NFPA 70E, “Standard for Electrical Safety in the Workplace,” (2004) (incorporated by reference, see §851.27)			Section 4.16, Electrical	MP-CMNT-10.9, Electrical Safety Program	Section 9.7, National Electrical Code

AMWTP LIST

LST-ISIH-02-IM, Rev. 1

Issued: 05/03/07

Effective: 05/04/07

10 CFR 851 Implementation Matrix

10 CFR 851, Worker Safety and Health Program – Specific Program Requirements

Section Number	Section Title/Description	Documented Safety Analysis (DSA)	Environmental Safety and Health Program Operating Plan (ESHPOP)	IS/IH Program Description Document PD-ISIH-01	Management Procedures and Instructions	Worker Safety and Health Plan
851.23 (b)	Nothing in this part must be construed as relieving a contractor from complying with any additional specific safety and health requirements that it determines to be necessary to protect the safety and health of workers	DSA Chapter 8, Protection Against Physical and Chemical Hazards	Section D.3, Safety Analysis Process Section D.4, ISIH Program Section D.9, Continuous/Emergency Planning and Response Section D.16, Safe Work Control and Hazard Assessment	Section 1.0, Purpose/Scope Section 2.0, IS/IH Management System Overview	MP-ISIH-01-IM, IH Implementation Matrix MP-ISIH-2.1, Occupational Medical Program MP-ISIH-2.11, IH Program MP-ISIH-2.49, Fire Protection Program MP-ISIH-2.41, Motorized Vehicles MP-CMNT-10.9, Electrical Safety Program MP-CMNT-10.2, Pressurized Systems	Section 9.0, Safety and Health Standards

AMWTP LIST

LST-ISIH-02-IM, Rev. 1

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10 CFR 851 Implementation Matrix

10 CFR 851, Worker Safety and Health Program – Specific Program Requirements

Section Number	Section Title/Description	Documented Safety Analysis (DSA)	Environmental Safety and Health Program Operating Plan (ESHPOP)	IS/IH Program Description Document PD-ISIH-01	Management Procedures and Instructions	Worker Safety and Health Plan
851.24						
Functional areas (Appendix A Requirements)						
851.24(a)	Contractors must have a structured approach to their worker safety and health program which at a minimum, include provisions for the following applicable functional areas in their worker safety and health program: construction safety; fire protection; firearms safety; explosives safety; pressure safety; electrical safety; industrial hygiene; occupational medicine; biological safety; and motor vehicle safety	DSA Chapter 8, Protection Against Physical and Chemical Hazards DSA Chapter 17, Management, Organization, and Institutional Safety Provisions	Section D.4, ISIH Program	Addresses IH, OMP, and Fire Protection programs.	MP-ISIH-2.1, Occupational Medical Program MP-ISIH-2.11, IH Program MP-ISIH-2.49, Fire Protection Program MP-ISIH-2.41, Motorized Vehicles MP-CMNT-10.9, Electrical Safety Program MP-CMNT-10.2, Pressurized Systems	Section 10.0, Functional Areas

AMWTP LIST

LST-ISIH-02-IM, Rev. 1

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10 CFR 851 Implementation Matrix

10 CFR 851, Worker Safety and Health Program – Specific Program Requirements

Section Number	Section Title/Description	Documented Safety Analysis (DSA)	Environmental Safety and Health Program Operating Plan (ESHPOP)	IS/IH Program Description Document PD-ISIH-01	Management Procedures and Instructions	Worker Safety and Health Plan
851.24(b)	In implementing the structured approach required by paragraph (a) of this section, contractors must comply with the applicable standards and provisions in Appendix A of this part, entitled “Worker Safety and Health Functional Areas”					Section 10.0, Functional Areas

AMWTP LIST

LST-ISIH-02-IM, Rev. 1

Issued: 05/03/07

Effective: 05/04/07

10 CFR 851 Implementation Matrix

10 CFR 851, Worker Safety and Health Program – Specific Program Requirements						
Section Number	Section Title/Description	Documented Safety Analysis (DSA)	Environmental Safety and Health Program Operating Plan (ESHPOP)	IS/IH Program Description Document PD-ISIH-01	Management Procedures and Instructions	Worker Safety and Health Plan
851.25 Training and information						
851.25(a)	Contractors must develop and implement a worker safety and health training and information program to ensure that all workers exposed or potentially exposed to hazards are provided with the training and information on that hazard in order to perform their duties in a safe and healthful manner	<p>DSA Chapter 8, Protection Against Physical and Chemical Hazards</p> <p>DSA Chapter 12, Procedures and Training</p> <p>DSA Chapter 14, Quality Assurance</p> <p>DSA Chapter 15, Emergency Preparedness Program</p> <p>DSA Chapter 17, Management, Organization, and Institutional Safety Provisions</p>	<p>Section D.7, Training and Qualification Program</p> <p>Appendix A, AMWTP Position Roles and Responsibilities</p>	Section 3.1, Competence, Training, and Awareness	<p>MP-ADMN-1.6, Recruitment Selection and Hiring of Personnel</p> <p>MP-RTQP-14.1, Preparation and Administration of Individual Training Plans</p> <p>MP-RTQP-14.4, Personnel Qualification and Certification</p> <p>MP-RTQP-14.6, Job Analysis</p> <p>MP-RTQP-14.20, Training Implementation Matrix</p> <p>MP-RTQP-14.24, Training Needs Analysis</p> <p>QAPP-01, AMWTP Quality Assurance Program Plan</p> <p>Suite of PD-COPS-9.18, Work Control</p>	Section 11, Training and Information
851.25(b)	The contractor must provide:					

AMWTP LIST

LST-ISIH-02-IM, Rev. 1

Issued: 05/03/07

Effective: 05/04/07

10 CFR 851 Implementation Matrix

10 CFR 851, Worker Safety and Health Program – Specific Program Requirements

Section Number	Section Title/Description	Documented Safety Analysis (DSA)	Environmental Safety and Health Program Operating Plan (ESHPOP)	IS/IH Program Description Document PD-ISIH-01	Management Procedures and Instructions	Worker Safety and Health Plan
851.25(b)(1)	Training and information for new workers, before or at the time of initial assignment to a job involving exposure to a hazard	<p>DSA Chapter 8, Protection Against Physical and Chemical Hazards</p> <p>DSA Chapter 12, Procedures and Training</p> <p>DSA Chapter 14, Quality Assurance</p> <p>DSA Chapter 17, Management, Organization, and Institutional Safety Provisions</p>	Section D.7, Training and Qualification Program	Section 3.1, Competence, Training, and Awareness	<p>MP-ADMN-1.6, AMWTP Recruitment Selection and Hiring of Personnel</p> <p>MP-DOCS-18.4, Document Control</p> <p>MP-DOCS-18.2, Records Management</p> <p>MP-RTQP-14.1, Preparation and Administration of Individual Training Plans B</p> <p>MP-RTQP-14.20, Training Implementation Matrix</p> <p>Suite of PD-COPS-9.18, Work Control</p> <p>MP-COPS-9.11, Control of Safety Related Systems, Structures, Components (SSC) and Operational Limits</p> <p>MP-COPS-9.7, Conduct of Operations-Control of Equipment and System Status</p> <p>Suite of MP-CD&M-11.1, Change Control</p>	Section 11, Training and Information

AMWTP LIST

LST-ISIH-02-IM, Rev. 1

Issued: 05/03/07

Effective: 05/04/07

10 CFR 851 Implementation Matrix

10 CFR 851, Worker Safety and Health Program – Specific Program Requirements

Section Number	Section Title/Description	Documented Safety Analysis (DSA)	Environmental Safety and Health Program Operating Plan (ESHPOP)	IS/IH Program Description Document PD-ISIH-01	Management Procedures and Instructions	Worker Safety and Health Plan
851.25(b)(2)	Periodic training as often as necessary to ensure that workers are adequately trained and informed	<p>DSA Chapter 8, Protection Against Physical and Chemical Hazards</p> <p>DSA Chapter 12, Procedures and Training</p> <p>DSA Chapter 14, Quality Assurance</p> <p>DSA Chapter 17, Management, Organization, and Institutional Safety Provisions</p>	Section D.7, Training and Qualification Program	Section 3.1, Competence, Training and Awareness	<p>MP-ADMN-1.6, AMWTP Recruitment Selection and Hiring of Personnel</p> <p>MP-RTQP-14.1, Preparation and Administration of Individual Training Plans B</p> <p>MP-RTQP-14.20, Training Implementation Matrix</p> <p>Suite of PD-COPS-9.18, Work Control</p> <p>Suite of MP-CD&M-11.1, Change Control</p> <p>QAPP-01, AMWTP Quality Assurance Program Plan</p>	Section 11, Training and Information

AMWTP LIST

LST-ISIH-02-IM, Rev. 1

Issued: 05/03/07

Effective: 05/04/07

10 CFR 851 Implementation Matrix

10 CFR 851, Worker Safety and Health Program – Specific Program Requirements

Section Number	Section Title/Description	Documented Safety Analysis (DSA)	Environmental Safety and Health Program Operating Plan (ESHPOP)	IS/IH Program Description Document PD-ISIH-01	Management Procedures and Instructions	Worker Safety and Health Plan
851.25(b)(3)	Additional training when safety and health information or a change in workplace conditions indicates that a new or increased hazard exists.	<p>DSA Chapter 8, Protection Against Physical and Chemical Hazards</p> <p>DSA Chapter 12, Procedures and Training</p> <p>DSA Chapter 14, Quality Assurance</p> <p>DSA Chapter 17, Management, Organization, and Institutional Safety Provisions</p>	<p>Section D.4, ISIH Program</p> <p>Section D.7, Training and Qualification Program</p> <p>Section D.16, Safe Work Control and Hazard Assessment</p>	Section 2.1, Industrial Safety / Industrial Hygiene	<p>MP-COPS-9.29, Worker Rights and Responsibilities</p> <p>MP-DOCS-18.4, Document Control</p> <p>MP-DOCS-18.2, Records Management</p> <p>MP-RTQP-14.1, Preparation and Administration of Individual Training Plans B</p> <p>MP-RTQP-14.20, Training Implementation Matrix</p> <p>Suite of PD-COPS-9.18, Work Control</p> <p>MP-COPS-9.11, Control of Safety Related Systems, Structures, Components (SSC) and Operational Limits</p> <p>MP-COPS-9.7, Conduct of Operations-Control of Equipment and System Status</p> <p>Suite of MP-CD&M-11.1, Change Control</p> <p>QAPP-01, AMWTP Quality Assurance Program Plan</p>	<p>Section 8.0, Hazard Prevention and Abatement</p> <p>Section 11, Training and Information</p>

AMWTP LIST

LST-ISIH-02-IM, Rev. 1

Issued: 05/03/07

Effective: 05/04/07

10 CFR 851 Implementation Matrix

10 CFR 851, Worker Safety and Health Program – Specific Program Requirements

Section Number	Section Title/Description	Documented Safety Analysis (DSA)	Environmental Safety and Health Program Operating Plan (ESHPOP)	IS/IH Program Description Document PD-ISIH-01	Management Procedures and Instructions	Worker Safety and Health Plan
851.25(c)	Contractors must provide training and information to workers who have worker safety and health program responsibilities that is necessary for them to carry out those responsibilities	<p>DSA Chapter 5, Derivation of Technical Safety Requirements</p> <p>DSA Chapter 8, Protection Against Physical and Chemical Hazards</p> <p>DSA Chapter 12, Procedures and Training</p> <p>DSA Chapter 14, Quality Assurance</p> <p>DSA Chapter 17, Management, Organization, and Institutional Safety Provisions</p>	<p>Section D.7, Training and Qualification Program</p> <p>Appendix A, AMWTP Position Roles and Responsibilities</p>	<p>Section 3.1, Competence, Training, and Awareness</p>	<p>MP-ADMN-1.6, AMWTP Recruitment Selection and Hiring of Personnel</p> <p>MP-RTQP-14.1, Preparation and Administration of Individual Training Plans B</p> <p>MP-RTQP-14.20, Training Implementation Matrix</p> <p>Suite of PD-COPS-9.18, Work Control</p> <p>QAPP-01, AMWTP Quality Assurance Program Plan</p>	<p>Section 6.2.3, ISIH Professionals</p> <p>Section 11.0, Training and Information</p>

AMWTP LIST

LST-ISIH-02-IM, Rev. 1

Issued: 05/03/07

Effective: 05/04/07

10 CFR 851 Implementation Matrix

10 CFR 851, Worker Safety and Health Program – Specific Program Requirements

Section Number	Section Title/Description	Documented Safety Analysis (DSA)	Environmental Safety and Health Program Operating Plan (ESHPOP)	IS/IH Program Description Document PD-ISIH-01	Management Procedures and Instructions	Worker Safety and Health Plan
851.26		Recordkeeping and reporting				
851.26(a)	– <i>Recordkeeping</i> , Contractors must:					
851.26(a)(1)	Establish and maintain complete and accurate records of all hazard inventory information, hazard assessments, exposure measurements, and exposure controls	DSA Chapter 8 , Protection Against Physical and Chemical Hazards DSA Chapter 11.4 , Fire Protection DSA Chapter 17 , Management, Organization, and Institutional Safety Provisions	Section D.7 , Training and Qualification Program	Section 6.0 , Records	MP-ISIH-2.1 , Occupational Medical Program MP-DOCS-18.2 , AMWTP Records Management	Section 7.0 , Hazard Identification and Assessment Section 12.0 , Recordkeeping and Reporting

AMWTP LIST

LST-ISIH-02-IM, Rev. 1

Issued: 05/03/07

Effective: 05/04/07

10 CFR 851 Implementation Matrix

10 CFR 851, Worker Safety and Health Program – Specific Program Requirements

Section Number	Section Title/Description	Documented Safety Analysis (DSA)	Environmental Safety and Health Program Operating Plan (ESHPOP)	IS/IH Program Description Document PD-ISIH-01	Management Procedures and Instructions	Worker Safety and Health Plan
851.26(a)(2)	Ensure that the work-related injuries and illnesses of its workers and subcontractor workers are recorded and reported accurately and consistent with DOE Manual 231.1-1A, “Environment, Safety and Health Reporting Manual,” September 9, 2004 (incorporated by reference, see §851.27)	DSA Chapter 8, Protection Against Physical and Chemical Hazards			MP-ISIH-2.1, Occupational Medical Program MP-ISIH-2.10, Recording and Reporting Occupational Illnesses and Injuries	Section 12.0, Recordkeeping and Reporting
851.26(a)(3)	Comply with the applicable occupational injury and illness recordkeeping and reporting workplace safety and health standards in §851.23 at their site, unless otherwise directed in DOE Manual 231.1-1A	DSA Chapter 8, Protection Against Physical and Chemical Hazards DSA Chapter 14, Quality Assurance	Section D.4, ISIH Program Section D.10, Continuous Improvement Process, Lessons Learned, and Response to Internal and External Audits Appendix A, AMWTP Position Roles and Responsibilities	Section 2.4.3, Records Retention	MP-ISIH-2.1, Occupational Medical Program MP-ISIH-2.1, Occupational Medical Program MP-ISIH-2.10, Recording and Reporting Occupational Illnesses and Injuries	Section 12.0, Recordkeeping and Reporting

AMWTP LIST

LST-ISIH-02-IM, Rev. 1

Issued: 05/03/07

Effective: 05/04/07

10 CFR 851 Implementation Matrix

10 CFR 851, Worker Safety and Health Program – Specific Program Requirements

Section Number	Section Title/Description	Documented Safety Analysis (DSA)	Environmental Safety and Health Program Operating Plan (ESHPOP)	IS/IH Program Description Document PD-ISIH-01	Management Procedures and Instructions	Worker Safety and Health Plan
851.26(a)(4)	Not conceal nor destroy any information concerning non-compliance or potential noncompliance with the requirements of this part.			Section 2.4.3, Records Retention	MP-ISIH-2.10, Recording and Reporting Occupational Illnesses and Injuries	Section 12.0, Recordkeeping and Reporting
851.26(b)	<i>Reporting and investigation.</i> Contractors must:					
851.26(b)(1)	Report and investigate accidents, injuries and illness.	DSA Chapter 8, Protection Against Physical and Chemical Hazards DSA Chapter 17, Management, Organization, and Institutional Safety Provisions	Section D.4, ISIH Program Section D.10, Continuous Improvement Process, Lessons Learned, and Response to Internal and External Audits Appendix A, AMWTP Position Roles and Responsibilities		MP-ISIH-2.1, Occupational Medical Program MP-COPS-9.6, Occurrence Reporting MP-Q&SI-5.2, Price Anderson Amendment Act Reporting	Section 12.0, Recordkeeping and Reporting

AMWTP LIST

LST-ISIH-02-IM, Rev. 1

Issued: 05/03/07

Effective: 05/04/07

10 CFR 851 Implementation Matrix

10 CFR 851, Worker Safety and Health Program – Specific Program Requirements

Section Number	Section Title/Description	Documented Safety Analysis (DSA)	Environmental Safety and Health Program Operating Plan (ESHPOP)	IS/IH Program Description Document PD-ISIH-01	Management Procedures and Instructions	Worker Safety and Health Plan
851.26(b)(2)	Analyze related data for trends and lessons learned (reference DOE Order 225.1A, “Accident Investigations,” November 26, 1997)	DSA Chapter 8, Protection Against Physical and Chemical Hazards DSA Chapter 17, Management, Organization, and Institutional Safety Provisions	Section D.4, ISIH Program Appendix A, AMWTP Position Roles and Responsibilities		MP-ISIH-2.1, Occupational Medical Program	Section 5.0, 10 CFR 851 Safety Review

AMWTP LIST

LST-ISIH-02-IM, Rev. 1

Issued: 05/03/07

Effective: 05/04/07

10 CFR 851 Implementation Matrix

Appendix A to Part 851 – Worker Safety and Health Functional Areas						
Section Number	Section Title/Description	Documented Safety Analysis (DSA)	Environmental Safety and Health Program Operating Plan (ESHPOP)	IS/IH Program Description Document PD-ISIH-01	Management Procedures and Instructions	Worker Safety and Health Plan
1.	Construction Safety					
1(a)	For each separate definable construction activity (e.g., excavations, foundations, structural steel, roofing) the construction contractor must:					
(1)	Prepare and have approved by the construction manager an activity hazard analysis prior to commencement of affected work. Such analysis must:				PD-COPS-9.18, Work Control INST-COPS-9.18.4, Hazard Assessment MP-ISIH-2.11, IH Program MP-ISIH-01-IM, IH Implementation Matrix	Section 10.1, Construction Safety
(1)(i)	Identify foreseeable hazards and planned protective measures;	DSA Chapter 3, Hazard and Accident Analysis DSA Chapter 8, Protection Against Physical and Chemical Hazards	Section D.3, Safety Analysis Process Section D.4, Industrial Safety / Industrial Hygiene Program		PD-COPS-9.18, Work Control INST-COPS-9.18.4, Hazard Assessment	Section 10.1, Construction Safety

AMWTP LIST

LST-ISIH-02-IM, Rev. 1

Issued: 05/03/07

Effective: 05/04/07

10 CFR 851 Implementation Matrix

Appendix A to Part 851 – Worker Safety and Health Functional Areas

Section Number	Section Title/Description	Documented Safety Analysis (DSA)	Environmental Safety and Health Program Operating Plan (ESHPOP)	IS/IH Program Description Document PD-ISIH-01	Management Procedures and Instructions	Worker Safety and Health Plan
(1)(ii)	Address further hazards revealed by supplemental site information (e.g., site characterization data, as-built drawings) provided by the construction manager;	DSA Chapter 3, Hazard and Accident Analysis DSA Chapter 8, Protection Against Physical and Chemical Hazards	Section D.3, Safety Analysis Process Section D.4, Industrial Safety / Industrial Hygiene Program		PD-COPS-9.18, Work Control INST-COPS-9.18.4, Hazard Assessment	Section 10.1, Construction Safety
(1)(iii)	Provide drawings and/or other documentation of protective measures for which applicable OSHA standards require preparation by a Professional Engineer or other qualified professional, and	DSA Chapter 3, Hazard and Accident Analysis DSA Chapter 8, Protection Against Physical and Chemical Hazards	Section D.3, Safety Analysis Process Section D.4, Industrial Safety / Industrial Hygiene Program		PD-COPS-9.18, Work Control INST-COPS-9.18.4, Hazard Assessment	Section 10.1, Construction Safety
(1)(iv)	Identify competent persons required for workplace inspections of the construction activity, where required by OSHA standards.		Section D.4, Industrial Safety / Industrial Hygiene Program		PD-COPS-9.18, Work Control INST-COPS-9.18.4, Hazard Assessment	Section 10.1, Construction Safety

AMWTP LIST

LST-ISIH-02-IM, Rev. 1

Issued: 05/03/07

Effective: 05/04/07

10 CFR 851 Implementation Matrix

Appendix A to Part 851 – Worker Safety and Health Functional Areas

Section Number	Section Title/Description	Documented Safety Analysis (DSA)	Environmental Safety and Health Program Operating Plan (ESHPOP)	IS/IH Program Description Document PD-ISIH-01	Management Procedures and Instructions	Worker Safety and Health Plan
(2)	Ensure workers are aware of foreseeable hazards and the protective measures described within the activity analysis prior to beginning work on the affected activity.	DSA Chapter 3, Hazard and Accident Analysis DSA Chapter 8, Protection Against Physical and Chemical Hazards	Section D.3, Safety Analysis Process Section D.4, Industrial Safety / Industrial Hygiene Program		PD-COPS-9.18, Work Control INST-COPS-9.18.4, Hazard Assessment	Section 10.1, Construction Safety
(3)	Require that workers acknowledge being informed of the hazards and protective measures associated with assigned work activities. Those workers failing to utilize appropriate protective measures must be subject to the construction contractor's disciplinary process.	DSA Chapter 3, Hazard and Accident Analysis DSA Chapter 8, Protection Against Physical and Chemical Hazards	Section D.3, Safety Analysis Process Section D.4, Industrial Safety / Industrial Hygiene Program		PD-COPS-9.18, Work Control INST-COPS-9.18.4, Hazard Assessment	Section 6.0, Management Responsibilities and Workers Rights and Responsibilities Section 10.1, Construction Safety

AMWTP LIST

LST-ISIH-02-IM, Rev. 1

Issued: 05/03/07

Effective: 05/04/07

10 CFR 851 Implementation Matrix

Appendix A to Part 851 – Worker Safety and Health Functional Areas

Section Number	Section Title/Description	Documented Safety Analysis (DSA)	Environmental Safety and Health Program Operating Plan (ESHPOP)	IS/IH Program Description Document PD-ISIH-01	Management Procedures and Instructions	Worker Safety and Health Plan
(1)(b)	During periods of active construction (i.e., excluding weekends, weather delays, or other periods of work inactivity), the construction contractor must have a designated representative on the construction worksite who is knowledgeable of the project's hazards and has full authority to act on behalf of the construction contractor. The contractor's designated representative must make frequent and regular inspections of the construction worksite to identify and correct any instances of noncompliance with project safety and health requirements.				PD-COPS-9.18, Work Control	Section 10.1, Construction Safety

AMWTP LIST

LST-ISIH-02-IM, Rev. 1

Issued: 05/03/07

Effective: 05/04/07

10 CFR 851 Implementation Matrix

Appendix A to Part 851 – Worker Safety and Health Functional Areas

Section Number	Section Title/Description	Documented Safety Analysis (DSA)	Environmental Safety and Health Program Operating Plan (ESHPOP)	IS/IH Program Description Document PD-ISIH-01	Management Procedures and Instructions	Worker Safety and Health Plan
(1)(c)	Workers must be instructed to report to the construction contractor's designated representative, hazards not previously identified or evaluated. If immediate corrective action is not possible or the hazard falls outside of project scope, the construction contractor must immediately notify affected workers, post appropriate warning signs, implement needed interim control measure, and notify the construction manager of the action taken. The contractor or the designated representative must stop work in the affected area until appropriate protective measures are established.				PD-COPS-9.18, Work Control	Section 10.1, Construction Safety

AMWTP LIST

LST-ISIH-02-IM, Rev. 1

Issued: 05/03/07

Effective: 05/04/07

10 CFR 851 Implementation Matrix

Appendix A to Part 851 – Worker Safety and Health Functional Areas

Section Number	Section Title/Description	Documented Safety Analysis (DSA)	Environmental Safety and Health Program Operating Plan (ESHPOP)	IS/IH Program Description Document PD-ISIH-01	Management Procedures and Instructions	Worker Safety and Health Plan
(1)(d)	The construction contractor must prepare a written construction project safety and health plan to implement the requirements of this section and obtain approval of the plan by the construction manager prior to commencement of any work covered by the plan. In the plan, the contractor must designate the individual(s) responsible for on-site implementation of the plan, specify qualifications for those individuals, and provide a list of those project activities for which subsequent hazard analyses are to be performed. The level of detail within the construction project HASP should be commensurate with the size, complexity and risk level of the construction project.			Section D.4, Industrial Safety / Industrial Hygiene Program	PD-COPS-9.18, Work Control INST-COPS-9.18.4, Hazard Assessment	Section 10.1, Construction Safety

AMWTP LIST

LST-ISIH-02-IM, Rev. 1

Issued: 05/03/07

Effective: 05/04/07

10 CFR 851 Implementation Matrix

Appendix A to Part 851 – Worker Safety and Health Functional Areas

Section Number	Section Title/Description	Documented Safety Analysis (DSA)	Environmental Safety and Health Program Operating Plan (ESHPOP)	IS/IH Program Description Document PD-ISIH-01	Management Procedures and Instructions	Worker Safety and Health Plan
(3)(d) cont.	The content of this plan need not duplicate those provisions that were preciously submitted and approved as required by §851.11.					

AMWTP LIST

LST-ISIH-02-IM, Rev. 1

Issued: 05/03/07

Effective: 05/04/07

10 CFR 851 Implementation Matrix

Appendix A to Part 851 – Worker Safety and Health Functional Areas

Section Number	Section Title/Description	Documented Safety Analysis (DSA)	Environmental Safety and Health Program Operating Plan (ESHPOP)	IS/IH Program Description Document PD-ISIH-01	Management Procedures and Instructions	Worker Safety and Health Plan
2.	Fire Protection Program					
2(a)	Contractors must implement a comprehensive fire safety and emergency response program to protect workers commensurate with the nature of the work that is performed. This includes appropriate facility and site-wide fire protection, fire alarm notification and egress features, and access to a fully staffed, trained, and equipped emergency response organization that is capable of responding in a timely and effective manner to site emergencies.	DSA Chapter 3, Hazard and Accident Analysis DSA Chapter 11, Operational Safety	Section D.4.2, Fire Protection Program	Section 2.3, Fire Protection	MP-ISIH-2.49, Fire Protection Program	Section 10.2, Fire Protection

AMWTP LIST

LST-ISIH-02-IM, Rev. 1

Issued: 05/03/07

Effective: 05/04/07

10 CFR 851 Implementation Matrix

Appendix A to Part 851 – Worker Safety and Health Functional Areas

Section Number	Section Title/Description	Documented Safety Analysis (DSA)	Environmental Safety and Health Program Operating Plan (ESHPOP)	IS/IH Program Description Document PD-ISIH-01	Management Procedures and Instructions	Worker Safety and Health Plan
2.	Fire Protection Program					
2(b)	An acceptable fire protection program must include those fire protection criteria and procedures, analysis, hardware and systems, apparatus and equipment, and personnel that would comprehensively ensure that the objective in 2(a) of this section is met. This includes meeting applicable building codes and Nation Fire Protection Association codes and standards.	DSA Chapter 3, Hazard and Accident Analysis DSA Chapter 11, Operational Safety	Section D.4.2, Fire Protection Program	Section 2.3, Fire Protection	MP-ISIH-2.49, Fire Protection Program	Section 10.2, Fire Protection
3.	Explosives Safety	NA	NA	NA	NA	

AMWTP LIST

LST-ISIH-02-IM, Rev. 1

Issued: 05/03/07

Effective: 05/04/07

10 CFR 851 Implementation Matrix

Section Number	Section Title/Description	Documented Safety Analysis (DSA)	Environmental Safety and Health Program Operating Plan (ESHPOP)	IS/IH Program Description Document PD-ISIH-01	Management Procedures and Instructions	Worker Safety and Health Plan
4.	Pressure Safety					
4(a)	Contractors must establish safety policies and procedures to ensure that pressure systems are designed, fabricated, tested, inspected, maintained, repaired, and operated by trained and qualified personnel in accordance with applicable and sound engineering principles.	DSA Chapter 3, Hazard and Accident Analysis			MP-CNMT-10.2, Pressurized Systems INST-CMNT-10.2.1, Pressure System Inspection	Section 10.4, Pressure Safety
4(b)	Contractors must ensure that all pressure vessels, boilers, air receivers, and supporting piping systems conform to:					

AMWTP LIST

LST-ISIH-02-IM, Rev. 1

Issued: 05/03/07

Effective: 05/04/07

10 CFR 851 Implementation Matrix

Section Number	Section Title/Description	Documented Safety Analysis (DSA)	Environmental Safety and Health Program Operating Plan (ESHPOP)	IS/IH Program Description Document PD-ISIH-01	Management Procedures and Instructions	Worker Safety and Health Plan
(1)	The applicable American Society of Mechanical Engineers (ASME) Boiler and Pressure Vessel Code (2004); Sections I through section XII including applicable Code Cases (incorporated by reference, see §851.27)				MP-CMNT-10.2, Pressurized Systems INST-CMNT-10.2.1, Pressure System Inspection	Section 10.4, Pressure Safety
(2)	The applicable ASME B31 (Code for Pressure Piping) standards as indicated below; and or as indicated in paragraph (b)(3) of this section:				MP-CMNT-10.2, Pressurized Systems	Section 10.4, Pressure Safety
(2)(i)	B31.1 – 2001 – Power Piping, and B31.1a – 2002 – Addenda to ASME 31.1 – 2001 (incorporated by reference, see §851.27)				MP-CMNT-10.2, Pressurized Systems	Section 10.4, Pressure Safety
(2)(ii)	B31.2 – 1968 – Fuel Gas Piping (incorporated by reference, see §851.27)	N/A	N/A	N/A	N/A	N/A

AMWTP LIST

LST-ISIH-02-IM, Rev. 1

Issued: 05/03/07

Effective: 05/04/07

10 CFR 851 Implementation Matrix

Section Number	Section Title/Description	Documented Safety Analysis (DSA)	Environmental Safety and Health Program Operating Plan (ESHPOP)	IS/IH Program Description Document PD-ISIH-01	Management Procedures and Instructions	Worker Safety and Health Plan
(2)(iii)	B31.3 – 2002 – Process Piping (incorporated by reference, see §851.27)				MP-CMNT-10.2, Pressurized Systems	
(2)(iv)	B31.4 – 2002 – Pipeline Transportation systems for Liquid Hydrocarbons and Other Liquids (incorporated by reference, see §851.27)	N/A	N/A	N/A	N/A	N/A
(2)(v)	B31.5 – 2001 – Refrigeration Piping and Heat Transfer Components, and B31.5a – 2004 – Addenda to ASME 31.5 – 2001 (incorporated by reference, see §851.27)	N/A	N/A	N/A	N/A	N/A
(2)(vi)	B31.8 – 2003 – Gas Transmission and Distribution Piping Systems (incorporated by reference, see §851.27)	N/A	N/A	N/A	N/A	N/A

AMWTP LIST

LST-ISIH-02-IM, Rev. 1

Issued: 05/03/07

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10 CFR 851 Implementation Matrix

Section Number	Section Title/Description	Documented Safety Analysis (DSA)	Environmental Safety and Health Program Operating Plan (ESHPOP)	IS/IH Program Description Document PD-ISIH-01	Management Procedures and Instructions	Worker Safety and Health Plan
(2)(vii)	B31.8S – 2001 – Managing System Integrity of Gas Pipelines (incorporated by reference, see §851.27)	N/A	N/A	N/A	N/A	N/A
(2)(viii)	B31.9 – 1996 – Building Services Piping (incorporated by reference, see §851.27)	N/A	N/A	N/A	N/A	N/A
(2)(ix)	B31.11 – 2002 – Slurry Transportation Piping Systems (incorporated by reference, see §851.27)	N/A	N/A	N/A	N/A	N/A
(2)(x)	B31G – 1991 – Manual for Determining Remaining Strength of Corroded Pipelines (incorporated by reference, see §851.27)	N/A	N/A	N/A	N/A	N/A
(3)	The strictest applicable state and local codes.					

AMWTP LIST

LST-ISIH-02-IM, Rev. 1

Issued: 05/03/07

Effective: 05/04/07

10 CFR 851 Implementation Matrix

Section Number	Section Title/Description	Documented Safety Analysis (DSA)	Environmental Safety and Health Program Operating Plan (ESHPOP)	IS/IH Program Description Document PD-ISIH-01	Management Procedures and Instructions	Worker Safety and Health Plan
(3)(c)	When national consensus codes are not applicable (because of pressure range, vessel geometry, use of special materials, etc.), contractors must implement measures to provide equivalent protection and ensure a level of safety greater than or equal to the level of protection afforded by the ASME or applicable state or local code. Measures must include the following:				MP-CMNT-10.2, Pressurized Systems INST-CMNT-10.2.1, Pressure System Inspection -	Section 10.4, Pressure Safety
(3)(c)(1)	Design drawings, sketches, and calculation must be reviewed and approved by a qualified independent design professional (i.e., professional engineer). Documented organizational peer review is acceptable.	DSA Chapter 14, Quality Assurance			MP-CD&M-11.1, Change Control	Section 10.4, Pressure Safety

AMWTP LIST

LST-ISIH-02-IM, Rev. 1

Issued: 05/03/07

Effective: 05/04/07

10 CFR 851 Implementation Matrix

Section Number	Section Title/Description	Documented Safety Analysis (DSA)	Environmental Safety and Health Program Operating Plan (ESHPOP)	IS/IH Program Description Document PD-ISIH-01	Management Procedures and Instructions	Worker Safety and Health Plan
(3)(c)(2)	Qualified personnel must be used to perform examinations and inspections of materials, in-process fabrication, non-destructive tests, and acceptance test.				INST-CMNT-10.2.1, Pressure System Inspection	Section 10.4, Pressure Safety
(3)(c)(3)	Documentation, traceability, and accountability must be maintained for each pressure vessel or system, including descriptions of design, pressure conditions, testing, inspection, operation, repair, and maintenance.	DSA Chapter 14, Quality Assurance			INST-CMNT-10.2.1, Pressure System Inspection	Section 10.4, Pressure Safety
5.	Firearms Safety	NA	NA	NA	NA	NA

AMWTP LIST

LST-ISIH-02-IM, Rev. 1

Issued: 05/03/07

Effective: 05/04/07

10 CFR 851 Implementation Matrix

Section Number	Section Title/Description	Documented Safety Analysis (DSA)	Environmental Safety and Health Program Operating Plan (ESHPOP)	IS/IH Program Description Document PD-ISIH-01	Management Procedures and Instructions	Worker Safety and Health Plan
6.	Industrial Hygiene Contractors must implement a comprehensive industrial hygiene program that includes at least the following elements:	DSA Chapter 8, Protection Against Physical and Chemical Hazards	Section D.4, Industrial Safety / Industrial Hygiene Program Appendix A, AMWTP Position Roles and Responsibilities	Section 1.0, Purpose/Scope Section 2.0, IS/IH Management System Overview Section 3.0, Resources, Roles, Responsibilities, and Authority Section 4.0, Specific IS/IH Program Requirements	MP-ISIH-2.11, IH Program MP-ISIH-01-IM, IH Implementation Matrix	Section 10.6, Industrial Hygiene
6(a)	Initial or baseline surveys and periodic resurveys and/or exposure monitoring as appropriate of all work areas or operations to identify and evaluate potential worker health risks.;	DSA Chapter 8, Protection Against Physical and Chemical Hazards	Section D.4, Industrial Safety / Industrial Hygiene Program Appendix A, AMWTP Position Roles and Responsibilities	Section 2.0, IS/IH Management System Overview	MP-ISIH-2.11, IH Program MP-ISIH-01-IM, IH Implementation Matrix	Section 10.6, Industrial Hygiene

AMWTP LIST

LST-ISIH-02-IM, Rev. 1

Issued: 05/03/07

Effective: 05/04/07

10 CFR 851 Implementation Matrix

Section Number	Section Title/Description	Documented Safety Analysis (DSA)	Environmental Safety and Health Program Operating Plan (ESHPOP)	IS/IH Program Description Document PD-ISIH-01	Management Procedures and Instructions	Worker Safety and Health Plan
6(b)	Coordination with planning and design personnel to anticipate and control health hazards that proposed facilities and operations would introduce;	<p>DSA Chapter 8, Protection Against Physical and Chemical Hazards</p> <p>DSA Chapter 12, Procedures and Training</p> <p>DSA Chapter 14, Quality Assurance</p> <p>DSA Chapter 17, Management, Organization, and Institutional Safety Provisions</p>	<p>Section D.4, Industrial Safety / Industrial Hygiene Program</p> <p>Appendix A, AMWTP Position Roles and Responsibilities</p>	Section 2.0, IS/IH Management System Overview	<p>MP-ISIH-2.11, IH Program</p> <p>MP-ISIH-01-IM, IH Implementation Matrix</p>	Section 10.6, Industrial Hygiene

AMWTP LIST

LST-ISIH-02-IM, Rev. 1

Issued: 05/03/07

Effective: 05/04/07

10 CFR 851 Implementation Matrix

Section Number	Section Title/Description	Documented Safety Analysis (DSA)	Environmental Safety and Health Program Operating Plan (ESHPOP)	IS/IH Program Description Document PD-ISIH-01	Management Procedures and Instructions	Worker Safety and Health Plan
6(c)	Coordination with cognizant occupational medical, environmental, health physics, and work planning professionals;	<p>DSA Chapter 8, Protection Against Physical and Chemical Hazards</p> <p>DSA Chapter 12, Procedures and Training</p> <p>DSA Chapter 14, Quality Assurance</p> <p>DSA Chapter 17, Management, Organization, and Institutional Safety Provisions</p>	<p>Section D.4, Industrial Safety / Industrial Hygiene Program</p> <p>Appendix A, AMWTP Position Roles and Responsibilities</p>	Section 2.0, IS/IH Management System Overview	<p>MP-ISIH-2.11, IH Program</p> <p>MP-ISIH-01-IM, IH Implementation Matrix</p>	Section 10.6, Industrial Hygiene
6(d)	Policies and procedures to mitigate the risk from identified and potential occupational carcinogens;	DSA Chapter 8, Protection Against Physical and Chemical Hazards	Section D.4, Industrial Safety / Industrial Hygiene Program	Section 4.0, Specific IS/IH Program Requirements	<p>MP-ISIH-2.11, IH Program</p> <p>MP-ISIH-01-IM, IH Implementation Matrix</p> <p>MP-ISIH-2.51, Carcinogen Control Program</p>	Section 10.6, Industrial Hygiene

AMWTP LIST

LST-ISIH-02-IM, Rev. 1

Issued: 05/03/07

Effective: 05/04/07

10 CFR 851 Implementation Matrix

Section Number	Section Title/Description	Documented Safety Analysis (DSA)	Environmental Safety and Health Program Operating Plan (ESHPOP)	IS/IH Program Description Document PD-ISIH-01	Management Procedures and Instructions	Worker Safety and Health Plan
6(e)	Professionally and technically qualified industrial hygienists to manage and implement the industrial hygiene program; and				MP-RTQP-14.1 Personnel Qualification and Certification	Section 6.2, Industrial Safety / Industrial Hygiene Organization Roles and Responsibilities
6(f)	Use of respiratory protection equipment tested under the DOE Respirator Acceptance Program for Supplied-air Suits (DOE Technical Standard-1167-2003) when National Institute for Occupational Safety and Health-approved respiratory protection does not exist for DOE tasks that require such equipment.	DSA Chapter 8, Protection Against Physical and Chemical Hazards	Section D.4, Industrial Safety / Industrial Hygiene Program			Section 10.6, Industrial Hygiene MP-ISIH-2.18, Respiratory Protection (NA – only NIOSH approved respirators may be used at the AMWTP)

AMWTP LIST

LST-ISIH-02-IM, Rev. 1

Issued: 05/03/07

Effective: 05/04/07

10 CFR 851 Implementation Matrix

Section Number	Section Title/Description	Documented Safety Analysis (DSA)	Environmental Safety and Health Program Operating Plan (ESHPOP)	IS/IH Program Description Document PD-ISIH-01	Management Procedures and Instructions	Worker Safety and Health Plan
7.	Biological Safety					Section 10.7, Biological Safety
8.	Occupational Medicine	DSA Chapter 8, Protection Against Physical and Chemical Hazards	Section D.4, Industrial Safety / Industrial Hygiene Program	Section 1.0, Purpose/Scope Section 2.2, Occupational Medical Program	MP-ISIH-2.1, Occupational Medical Program	Section 10.8, Occupational Medicine
(a)	Contractors must establish and provide comprehensive occupational medicine services to workers employed at a covered work place who:	DSA Chapter 8, Protection Against Physical and Chemical Hazards		Section 2.2, Occupational Medical Program	MP-ISIH-2.1, Occupational Medical Program	Section 10.8, Occupational Medicine
8(a)(1)	Work on a DOE site for more than 30 days in a 12-month period; or			Section 2.2, Occupational Medical Program	MP-ISIH-2.1, Occupational Medical Program	Section 10.8, Occupational Medicine
8(a)(2)	Are enrolled for any length of time in a medical or exposure monitoring program required by this rule and/or any other applicable Federal, State or local regulation, or other obligation.			Section 2.2, Occupational Medical Program	MP-ISIH-2.1, Occupational Medical Program	Section 10.8, Occupational Medicine

AMWTP LIST

LST-ISIH-02-IM, Rev. 1

Issued: 05/03/07

Effective: 05/04/07

10 CFR 851 Implementation Matrix

Section Number	Section Title/Description	Documented Safety Analysis (DSA)	Environmental Safety and Health Program Operating Plan (ESHPOP)	IS/IH Program Description Document PD-ISIH-01	Management Procedures and Instructions	Worker Safety and Health Plan
8(b)	The occupational medicine services must be under the direction of a graduate of a school of medicine or osteopathy who is licensed for the practice of medicine in the state in which the site is located.				MP-RTQP-14.4, Personnel Qualification and Certification	Section 10.8, Occupational Medicine
8(c)	Occupational medical physicians, occupational health nurses, physician's assistants, nurse practitioners, psychologists, employee assistance counselors, and other occupational health personnel providing occupational medicine services must be licensed, registered, or certified as required by Federal or State law where employed.				MP-RTQP-14.4, Personnel Qualification and Certification	Section 10.8, Occupational Medicine

AMWTP LIST

LST-ISIH-02-IM, Rev. 1

Issued: 05/03/07

Effective: 05/04/07

10 CFR 851 Implementation Matrix

Section Number	Section Title/Description	Documented Safety Analysis (DSA)	Environmental Safety and Health Program Operating Plan (ESHPOP)	IS/IH Program Description Document PD-ISIH-01	Management Procedures and Instructions	Worker Safety and Health Plan
8(d)	Contractors must provide the occupational medicine providers access to hazard information by promoting its communication, coordination, and sharing among operating and environment, safety and health protection organizations.			Section 2.2, Occupational Medical Program	MP-ISIH-2.1, Occupational Medical Program	Section 10.8, Occupational Medicine
8(d)(1)	Contractors must provide the occupational medicine providers with access to information on the following:		Appendix A, AMWTP Position Roles and Responsibilities	Section 2.2, Occupational Medical Program	MP-ISIH-2.1, Occupational Medical Program MP-COPS-9.29, Workers Rights and Responsibilities	Section 10.8, Occupational Medicine
8(d)(1)(i)	Current information about actual or potential work-related site hazards (chemical, radiological, physical, biological or ergonomic);		Appendix A, AMWTP Position Roles and Responsibilities	Section 2.2, Occupational Medical Program	MP-ISIH-2.1, Occupational Medical Program	Section 10.8, Occupational Medicine

AMWTP LIST

LST-ISIH-02-IM, Rev. 1

Issued: 05/03/07

Effective: 05/04/07

10 CFR 851 Implementation Matrix

Section Number	Section Title/Description	Documented Safety Analysis (DSA)	Environmental Safety and Health Program Operating Plan (ESHPOP)	IS/IH Program Description Document PD-ISIH-01	Management Procedures and Instructions	Worker Safety and Health Plan
8(d)(1)(ii)	Employee job-task and hazard analysis information, including essential job functions;	DSA Chapter 8, Protection Against Physical and Chemical Hazards	Section D.7, Training and Qualifications Program Appendix A, AMWTP Position Roles and Responsibilities	Section 2.2, Occupational Medical Program	MP-ISIH-2.1, Occupational Medical Program	Section 10.8, Occupational Medicine
8(d)(1)(iii)	Actual or potential work-site exposures of each employee; and			Section 2.2, Occupational Medical Program		Section 10.8, Occupational Medicine
8(d)(1)(iv)	Personnel actions resulting in a change of job functions, hazards or exposures.		Appendix A, AMWTP Position Roles and Responsibilities	Section 2.2, Occupational Medical Program	MP-ISIH-2.1, Occupational Medical Program	Section 10.8, Occupational Medicine
8(d)(2)	Contractors must notify the occupational medicine providers when an employee had been absent because of an injury or illness for more than 5 consecutive workdays (or an equivalent time period for those individuals on an alternative work schedule);		Appendix A, AMWTP Position Roles and Responsibilities	Section 2.2, Occupational Medical Program	MP-ISIH-2.1, Occupational Medical Program	Section 10.8, Occupational Medicine

AMWTP LIST

LST-ISIH-02-IM, Rev. 1

Issued: 05/03/07

Effective: 05/04/07

10 CFR 851 Implementation Matrix

Section Number	Section Title/Description	Documented Safety Analysis (DSA)	Environmental Safety and Health Program Operating Plan (ESHPOP)	IS/IH Program Description Document PD-ISIH-01	Management Procedures and Instructions	Worker Safety and Health Plan
8(d)(3)	Contractors must provide the occupational medicine provider information on, and the opportunity to participate in, worker safety and health team meetings and committees;		Appendix A, AMWTP Position Roles and Responsibilities	Section 2.2, Occupational Medical Program	MP-ISIH-2.1, Occupational Medical Program	Section 10.8, Occupational Medicine
8(d)(4)	Contractors must provides occupational medicine providers access to the workplace for evaluation of job conditions and issues relating to workers' health		Appendix A, AMWTP Position Roles and Responsibilities	Section 2.2, Occupational Medical Program	MP-ISIH-2.1, Occupational Medical Program	Section 10.8, Occupational Medicine
8(e)	A designated occupational medicine provider must:			Section 2.2, Occupational Medical Program	MP-ISIH-2.1, Occupational Medical Program	Section 10.8, Occupational Medicine
8(e)(1)	Plan and implement the occupation medicine services; and			Section 2.2, Occupational Medical Program	MP-ISIH-2.1, Occupational Medical Program	Section 10.8, Occupational Medicine

AMWTP LIST

LST-ISIH-02-IM, Rev. 1

Issued: 05/03/07

Effective: 05/04/07

10 CFR 851 Implementation Matrix

Section Number	Section Title/Description	Documented Safety Analysis (DSA)	Environmental Safety and Health Program Operating Plan (ESHPOP)	IS/IH Program Description Document PD-ISIH-01	Management Procedures and Instructions	Worker Safety and Health Plan
8(e)(2)	Participate in worker protection teams to build and maintain necessary partnerships among workers, their representatives, managers, and safety and health protection specialists in establishing and maintaining a safe and healthful workplace.			Section 2.2, Occupational Medical Program	MP-ISIH-2.1, Occupational Medical Program	Section 10.8, Occupational Medicine

AMWTP LIST

LST-ISIH-02-IM, Rev. 1

Issued: 05/03/07

Effective: 05/04/07

10 CFR 851 Implementation Matrix

Section Number	Section Title/Description	Documented Safety Analysis (DSA)	Environmental Safety and Health Program Operating Plan (ESHPOP)	IS/IH Program Description Document PD-ISIH-01	Management Procedures and Instructions	Worker Safety and Health Plan
8(f)	A record, containing any medical, health history, exposure history, and demographic data collected for the occupational medicine purposes, must be developed and maintained for each employee for whom medical services are provided. All occupational medical records must be maintained in accordance with Executive Order 13335, Incentives for the Use of Health Information Technology.			<p>Section 2.2, Occupational Medical Program</p> <p>Section 2.4.3, Records Retention</p>	<p>MP-ISIH-2.1, Occupational Medical Program</p> <p>PD-EC&P-01, Case File</p> <p>MP-DOCS-18.2, AMWTP Records Management</p>	Section 10.8, Occupational Medicine

AMWTP LIST

LST-ISIH-02-IM, Rev. 1

Issued: 05/03/07

Effective: 05/04/07

10 CFR 851 Implementation Matrix

Section Number	Section Title/Description	Documented Safety Analysis (DSA)	Environmental Safety and Health Program Operating Plan (ESHPOP)	IS/IH Program Description Document PD-ISIH-01	Management Procedures and Instructions	Worker Safety and Health Plan
8(f)(1)	Employee medical , psychological, and employee assistance program (EAP) records must be kept confidential, protected from unauthorized access, and stored under conditions that insure their long-term preservation. Psychological records must be maintained separately from medical records and in the custody the designated psychologist in accordance with 10 CFR 712.38(b)(2).			<p>Section 2.2, Occupational Medical Program</p> <p>Section 2.4.3, Records Retention</p>	<p>MP-ISIH-2.1, Occupational Medical Program</p> <p>PD-EC&P-01, Case File</p> <p>MP-DOCS-18.2, AMWTP Records Management</p>	Section 10.8, Occupational Medicine
8(f)(2)	Access to these records must be provided in accordance with DOE regulations implementing the Privacy Act and the Energy Employees Occupational Illness Compensation Program Act.			<p>Section 2.2, Occupational Medical Program</p> <p>Section 2.4.3, Records Retention</p>	<p>MP-ISIH-2.1, Occupational Medical Program</p> <p>PD-EC&P-01, Case File</p> <p>MP-DOCS-18.2, AMWTP Records Management</p>	Section 10.8, Occupational Medicine

AMWTP LIST

LST-ISIH-02-IM, Rev. 1

Issued: 05/03/07

Effective: 05/04/07

10 CFR 851 Implementation Matrix

Section Number	Section Title/Description	Documented Safety Analysis (DSA)	Environmental Safety and Health Program Operating Plan (ESHPOP)	IS/IH Program Description Document PD-ISIH-01	Management Procedures and Instructions	Worker Safety and Health Plan
8(g)	The occupational medicine services provider must determine the content of the worker health evaluations, which must be conducted under the direction of a licensed physician, in accordance with current sound and acceptable medical practices and all pertinent statutory and regulatory requirements, such as the Americans with Disabilities Act.			Section 2.2, Occupational Medical Program	MP-ISIH-2.1, Occupational Medical Program	Section 10.8, Occupational Medicine
8(g)(1)	Workers must be informed of the purpose and nature of the medical evaluations and test offered by the occupational medicine provider.			Section 2.2, Occupational Medical Program	MP-ISIH-2.1, Occupational Medical Program	Section 10.8, Occupational Medicine
8(g)(1)(i)	The purpose, nature and results of evaluations and tests must be clearly communicated verbally and in writing to each worker provided testing:			Section 2.2, Occupational Medical Program	MP-ISIH-2.1, Occupational Medical Program	Section 10.8, Occupational Medicine

AMWTP LIST

LST-ISIH-02-IM, Rev. 1

Issued: 05/03/07

Effective: 05/04/07

10 CFR 851 Implementation Matrix

Section Number	Section Title/Description	Documented Safety Analysis (DSA)	Environmental Safety and Health Program Operating Plan (ESHPOP)	IS/IH Program Description Document PD-ISIH-01	Management Procedures and Instructions	Worker Safety and Health Plan
8(g)(1)(ii)	The communication must be documented in the worker's medical record; and			Section 2.2, Occupational Medical Program	MP-ISIH-2.1, Occupational Medical Program	Section 10.8, Occupational Medicine
8(g)(2)	The following health evaluations must be conducted when determined necessary be the occupational medicine provider for the purpose of providing initial and continuing assessment of employee fitness for duty.			Section 2.2, Occupational Medical Program	MP-ISIH-2.1, Occupational Medical Program	Section 10.8, Occupational Medicine
8(g)(2)(i)	At the time of employment entrance or transfer to a job with new functions and hazards, a medical placement evaluation of the individual's general health and physical and psychological capacity to perform work will establish a baseline record of physical condition and assure fitness for duty.			Section 2.2, Occupational Medical Program	MP-ISIH-2.1, Occupational Medical Program	Section 10.8, Occupational Medicine

AMWTP LIST

LST-ISIH-02-IM, Rev. 1

Issued: 05/03/07

Effective: 05/04/07

10 CFR 851 Implementation Matrix

Section Number	Section Title/Description	Documented Safety Analysis (DSA)	Environmental Safety and Health Program Operating Plan (ESHPOP)	IS/IH Program Description Document PD-ISIH-01	Management Procedures and Instructions	Worker Safety and Health Plan
8(g)(2)(ii)	Periodic, hazard-based medical monitoring or qualification-based fitness for duty evaluations required by regulations and standards, or as recommended by the occupational medicine services provider, will be provided on the frequency required.			Section 2.2, Occupational Medical Program	MP-ISIH-2.1, Occupational Medical Program	Section 10.8, Occupational Medicine
8(g)(2)(iii)	Diagnostic examinations will evaluate employee's injuries and illnesses to determine work-relatedness, the applicability of medical restrictions, and referral for definitive care, as appropriate.			Section 2.2, Occupational Medical Program	MP-ISIH-2.1, Occupational Medical Program	Section 10.8, Occupational Medicine

AMWTP LIST

LST-ISIH-02-IM, Rev. 1

Issued: 05/03/07

Effective: 05/04/07

10 CFR 851 Implementation Matrix

Section Number	Section Title/Description	Documented Safety Analysis (DSA)	Environmental Safety and Health Program Operating Plan (ESHPOP)	IS/IH Program Description Document PD-ISIH-01	Management Procedures and Instructions	Worker Safety and Health Plan
8(g)(2)(iv)	After a work-related injury of illness or an absence due to any injury or illness lasting 5 or more consecutive workdays (or an equivalent time period for those individuals on an alternative work schedule), a return to work evaluation will determine the individual's physical and psychological capacity to perform work and return to duty.			Section 2.2, Occupational Medical Program	MP-ISIH-2.1, Occupational Medical Program	Section 10.8, Occupational Medicine
8(g)(2)(v)	At the time of separation from employment, individuals shall be offered a general health evaluation to establish a record of physical condition.			Section 2.2, Occupational Medical Program	MP-ISIH-2.1, Occupational Medical Program	Section 10.8, Occupational Medicine

AMWTP LIST

LST-ISIH-02-IM, Rev. 1

Issued: 05/03/07

Effective: 05/04/07

10 CFR 851 Implementation Matrix

Section Number	Section Title/Description	Documented Safety Analysis (DSA)	Environmental Safety and Health Program Operating Plan (ESHPOP)	IS/IH Program Description Document PD-ISIH-01	Management Procedures and Instructions	Worker Safety and Health Plan
8(h)	The occupational medicine provider must monitor ill and injured workers to facilitate their rehabilitation and safe return to work and to minimize lost time and its associated costs.			Section 2.2, Occupational Medical Program	MP-ISIH-2.1, Occupational Medical Program	Section 10.8, Occupational Medicine
8(h)(1)	The occupational medicine provider must place an individual under medical restrictions when health evaluations indicate that the worker should not perform certain job tasks. The occupational medicine provider must notify the worker and contractor management when employee work restrictions are imposed or removed.			Section 2.2, Occupational Medical Program	MP-ISIH-2.1, Occupational Medical Program	Section 10.8, Occupational Medicine

AMWTP LIST

LST-ISIH-02-IM, Rev. 1

Issued: 05/03/07

Effective: 05/04/07

10 CFR 851 Implementation Matrix

Section Number	Section Title/Description	Documented Safety Analysis (DSA)	Environmental Safety and Health Program Operating Plan (ESHPOP)	IS/IH Program Description Document PD-ISIH-01	Management Procedures and Instructions	Worker Safety and Health Plan
8(h)(1)(i)	Occupational medicine provider physician and medical staff must, on a timely basis, communicate results of health evaluations to management and safety and health protection specialists to facilitate the mitigation of worksite hazards.			Section 2.2, Occupational Medical Program	MP-ISIH-2.1, Occupational Medical Program	Section 10.8, Occupational Medicine
8(j)	The occupational medicine provider must include measures to identify and manage the principal preventable causes of premature morbidity and mortality affecting worker health and productivity.			Section 2.2, Occupational Medical Program	MP-ISIH-2.1, Occupational Medical Program	Section 10.8, Occupational Medicine
8(j)(1)	The contractor must include programs to prevent and manage these causes of morbidity when evaluations demonstrate their cost effectiveness.			Section 2.2, Occupational Medical Program	MP-ISIH-2.1, Occupational Medical Program	Section 10.8, Occupational Medicine

AMWTP LIST

LST-ISIH-02-IM, Rev. 1

Issued: 05/03/07

Effective: 05/04/07

10 CFR 851 Implementation Matrix

Section Number	Section Title/Description	Documented Safety Analysis (DSA)	Environmental Safety and Health Program Operating Plan (ESHPOP)	IS/IH Program Description Document PD-ISIH-01	Management Procedures and Instructions	Worker Safety and Health Plan
8(j)(2)	Contractors must make available to the occupational medicine provider appropriate access to information from health, disability, and other insurance plans (de-identified as necessary) in order to facilitate this process.			Section 2.2, Occupational Medical Program	MP-ISIH-2.1, Occupational Medical Program	Section 10.8, Occupational Medicine
8(k)	The occupational medicine service provider must review and approve the medical and behavioral aspects of employee counseling and health promotional programs, including the following types:			Section 2.2, Occupational Medical Program	MP-ISIH-2.1, Occupational Medical Program	Section 10.8, Occupational Medicine
8(k)(1)	Contractor-sponsored or contractor-supported EAPs;			Section 2.2, Occupational Medical Program	MP-ISIH-2.1, Occupational Medical Program	Section 10.8, Occupational Medicine
8(k)(2)	Contractor-sponsored or contractor-supported alcohol and other substance abuse rehabilitation programs; and			Section 2.2, Occupational Medical Program	MP-ISIH-2.1, Occupational Medical Program	Section 10.8, Occupational Medicine

AMWTP LIST

LST-ISIH-02-IM, Rev. 1

Issued: 05/03/07

Effective: 05/04/07

10 CFR 851 Implementation Matrix

Section Number	Section Title/Description	Documented Safety Analysis (DSA)	Environmental Safety and Health Program Operating Plan (ESHPOP)	IS/IH Program Description Document PD-ISIH-01	Management Procedures and Instructions	Worker Safety and Health Plan
8(k)(3)	Contractor-sponsored or contractor-supported wellness programs.			Section 2.2, Occupational Medical Program	MP-ISIH-2.1, Occupational Medical Program	Section 10.8, Occupational Medicine
8(k)(4)	The occupational medicine services provider must review the medical aspects of immunization programs, blood-borne pathogens programs, and bio-hazardous waste programs to evaluate their conformance to applicable guidelines.			Section 2.2, Occupational Medical Program	MP-ISIH-2.1, Occupational Medical Program	Section 10.8, Occupational Medicine
8(k)(5)	The occupational medicine services provider must develop and periodically review medical emergency response procedures included in site emergency and disaster preparedness plans. The medical emergency responses must be integrated with nearby community emergency and disaster plans.			Section 2.2, Occupational Medical Program	MP-ISIH-2.1, Occupational Medical Program	Section 10.8, Occupational Medicine

AMWTP LIST

LST-ISIH-02-IM, Rev. 1

Issued: 05/03/07

Effective: 05/04/07

10 CFR 851 Implementation Matrix

Section Number	Section Title/Description	Documented Safety Analysis (DSA)	Environmental Safety and Health Program Operating Plan (ESHPOP)	IS/IH Program Description Document PD-ISIH-01	Management Procedures and Instructions	Worker Safety and Health Plan
9.	Motor Vehicle Safety					
9(a)	Contractors must implement a motor vehicle safety program to protect the safety and health of all drivers and passengers in Government-owned or –leased motor vehicles and powered industrial equipment (i.e., fork trucks, tractors, platform lift trucks, and other similar specialized equipment powered by an electric motor or an internal combustion engine).			Section 4.3, Motor Vehicles and Mechanized Equipment	MP-ISIH-2.41, Motorized Vehicles and Heavy Equipment	Section 10.9, Motor Vehicle Safety
9(b)	The contractor must tailor the motor vehicle safety program to the individual DOE site or facility, based on an analysis of the needs of that particular site or facility.			Section 4.3, Motor Vehicles and Mechanized Equipment	MP-ISIH-2.41, Motorized Vehicles and Heavy Equipment	Section 10.9, Motor Vehicle Safety

AMWTP LIST

LST-ISIH-02-IM, Rev. 1

Issued: 05/03/07

Effective: 05/04/07

10 CFR 851 Implementation Matrix

Section Number	Section Title/Description	Documented Safety Analysis (DSA)	Environmental Safety and Health Program Operating Plan (ESHPOP)	IS/IH Program Description Document PD-ISIH-01	Management Procedures and Instructions	Worker Safety and Health Plan
9(c)	The motor vehicle safety program must address, as applicable to the contractor's operations:			Section 4.3, Motor Vehicles and Mechanized Equipment	MP-ISIH-2.41, Motorized Vehicles and Heavy Equipment	Section 10.9, Motor Vehicle Safety
9(c)(1)	Minimum licensing requirements (including appropriate testing and medical qualification) for personnel operating motor vehicles and powered industrial equipment;			Section 4.3, Motor Vehicles and Mechanized Equipment	MP-ISIH-2.41, Motorized Vehicles and Heavy Equipment	Section 10.9, Motor Vehicle Safety
9(c)(2)	Requirements for the use of seat belts and provision of other safety devices;			Section 4.3, Motor Vehicles and Mechanized Equipment	MP-ISIH-2.41, Motorized Vehicles and Heavy Equipment	Section 10.9, Motor Vehicle Safety
9(c)(3)	Training for specialty vehicle operators;			Section 4.3, Motor Vehicles and Mechanized Equipment	MP-ISIH-2.41, Motorized Vehicles and Heavy Equipment	Section 10.9, Motor Vehicle Safety
9(c)(4)	Requirements for motor vehicle maintenance and inspection;			Section 4.3, Motor Vehicles and Mechanized Equipment	MP-ISIH-2.41, Motorized Vehicles and Heavy Equipment	Section 10.9, Motor Vehicle Safety
9(c)(5)	Uniform traffic and pedestrian control devices and read signs;					BEA Site Program

AMWTP LIST

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10 CFR 851 Implementation Matrix

Section Number	Section Title/Description	Documented Safety Analysis (DSA)	Environmental Safety and Health Program Operating Plan (ESHPOP)	IS/IH Program Description Document PD-ISIH-01	Management Procedures and Instructions	Worker Safety and Health Plan
9(c)(6)	On-site speed limits and other traffic rules;					BEA Site Program
9(c)(7)	Awareness campaigns and incentive programs to encourage safe driving; and					BEA Site Program
9(c)(8)	Enforcement provisions.					BEA Site Program

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Section Number	Section Title/Description	Documented Safety Analysis (DSA)	Environmental Safety and Health Program Operating Plan (ESHPOP)	IS/IH Program Description Document	Management Procedures and Instructions	Worker Safety and Health Plan
10.	Electrical Safety Program					
	Contractors must implement a comprehensive electrical safety program appropriate for the activities at their site. This program must meet the applicable electrical safety codes and standards referenced in §851.23		Section D.4, Industrial Safety / Industrial Hygiene Program		MP-CMNT-10.9, Electrical Safety Program	Section 9.3.14, Electrical Section 10.10, Electrical Safety
11.	Nanotechnology Safety – Reserved	NA	NA	NA	NA	
12.	Workplace Violence Prevention – reserved	Not Addressed	Not Addressed	Not Addressed	New Hire Indoctrination. AMWTP Employee Handbook	