SECTION 01 52 00 - HEALTH AND SAFETY REQUIREMENTS

PART 1 - General

1.1 SCOPE OF WORK

A. This section details the requirements the Contractor and lower-tier contractors must follow regarding health and safety procedures. These procedures shall be followed throughout this project.

1.2 RELATED SECTIONS

A. The following are related sections

1. 01 33 00 Submittals

2. 01 50 00 Temporary Facilities

3. All other Division Sections Specifications

1.3 REFERENCES

A. The following publications are part of this specification to the extent referenced. These publications shall be the latest edition and are referred to in the text by the basic designation only:

FEDERAL LAWS

PL 91-596	Occupational Safety and Health Act (OSHA) of 1970 CFR
29 CFR 1910.120	Hazardous Waste Operations and Emergency Response EPA
OSWER 9285.1-03	Standard Operating Safety Guidelines
OSWER 9285.2-05	Standard Operating Procedures for Site Safety Planning
OHSS-87	1987, Guideline for the Selection of Chemical Protective Clothing, Third Edition

NATIONAL INSTITUTE FOR OCCUPATIONAL SAFETY AND HEALTH (NIOSH)

NIOSH 85-115	1985, Occupational safety and Health Guidance Manual for Hazardous Waste Site Activities

AMERICAN NATIONAL STANDARD INSTITUTE (ANSI)

ANSI Z41.1	Protective Footwear
ANSI Z87.1	Practice for Occupational and Educational Eye and Face Protection
ANSI Z88.2	Practice for Respiratory Protection

ANSI Z88.6 Physical Qualifications for Respirator Use

AMERICAN CONFERENCE OF GOVERNMENT INDUSTRIAL HYGIENISTS (ACGIH)

ACGIH Current Edition, Threshold Limit Values and Biological Exposure Indi-ces

1.4 SUBMITTALS

A. Submit the following in accordance with Section 01 33 00, "Submittals":

1. Health and Safety Plan (HASP).

2. Training documentation and Certifications.

PART 2 - PRODUCTS

2.1 PRODUCTS

A. The Contractor shall provide all labor, equipment, and materials necessary to implement the requirements of this section.

2.2 HEALTH AND SAFETY PLAN

A. The Contractor shall develop a site-specific Health & Safety Plan (HASP) for submittal to the Contracting Officer in accordance with the provisions outlined in Section 01 33 00, "Submittals".

B. The HASP shall be used for Contractor personnel and the personnel of all subcontractors performing activities during this project.

C. The HASP shall be prepared in accordance with provisions and requirements of 29 CFR 1910.120, OSWER 9285.1-03, OSWER 9285.2-05, OHSS-87, Order No. 1440.2, NIOSH 85-115, ANSI 287.1, ANSI 288.2, and ANSI 288.6. An outline of the HASP is attached as an example.

D. The HASP shall include, but is not limited to, specifications for levels of protection under which different site activities will be performed and required personal protective equipment, and procedures for all special site activities.

2.3 OSHA CERTIFICATION

A. The Contractor shall submit written documentation that the training required by 29 CFR 1910.120(e) has been provided to each employee performing work which may result in exposure to hazardous materials at the site, in accordance with Section 01 33 00, "Submittals".

B. It is the responsibility of the Contractor to comply with all applicable PL 91-596 regulations.

C. Certification of site-specific training shall be documented by including (in the HASP) the signature of all Contractor personnel working at the site.

PART 3 - EXECUTION

3.1 GENERAL

A. he Contractor shall perform all work in accordance with applicable federal, state, and local health and safety regulations and guidance documents, including, but not limited to, PL 91-596, 29 CFR 1910.120, OSWER 9285.1.03, Order No. 1440.2, NIOSH 85-115, ANSI 241.1, ANSI 271.1, ANSI 288.2, ANSI 288.6, ACGIH, and the technical specifications for this project.

3.2 HEALTH AND SAFETY OFFICER

A. The Contractor shall provide at least one (1) qualified Site Safety Officer (SSO). The SSO must be on-site during all work activities.

B. The Contractor shall submit the name, qualifications and experiences of the SSO (and any alternates) for acceptance by the Contracting Officer.

C. The SSO shall have a minimum of 2 years working experience at hazardous waste sites with demonstrated experience and competence in construction safety and a working knowledge of OSHA regulations.

3.3 HEALTH AND SAFETY PLAN (HASP) OUTLINE

HEALTH AND SAFETY PLAN

a. TITLE PAGE

b. DISTRIBUTION LIST

c. TABLE OF CONTENTS

d. LIST OF ABBREVIATIONS

e. BODY

INTRODUCTION AND PERSONNEL ASSIGNMENTS

a. INTRODUCTION

b. KEY PROJECT PERSONNEL AND ORGANIZATION

i. Project Manager

ii. Health and Safety Officer

iii. Field Operations Leader

iv. 1.2.4 Site Safety and Health Officer

c. SITE INFORMATION AND PERSONNEL ASSIGNMENTS

EMERGENCY ACTION PLAN

a. INTRODUCTION

b. EMERGENCY PLANNING

c. EMERGENCY RECOGNITION AND PREVENTION

i. Recognition

ii. Prevention

d. SAFE DISTANCES AND PLACES OF REFUGE

e. EVACUATION ROUTES AND PROCEDURES

f. EMERGENCY ALERTING AND ACTION/RESPONSE PROCEDURES

g. EMERGENCY CONTACTS

h. ROUTE TO HOSPITALS

i. PPE AND EMERGENCY EQUIPMENT

j. ILLNESS/INJURY REPORTING

SITE DESCRIPTION AND BACKGROUND

a. SITE DESCRIPTION

b. BACKGROUND

SCOPE OF WORK

a. INSTALLATION OF WATER LINE

b. CONSTRUCTION OF PUMP STATION AND WATER TANK

SITE STANDARD WORK PRACTICES

a. GENERAL SITE SAFE WORK PRACTICES

HAZARD ANALYSIS

a. CHEMICAL HAZARDS

b. PHYSICAL HAZARDS

c. BIOLOGICAL HAZARDS

i. Insect/Animal Bites and Stings

ii. Inclement Weather

AIR MONITORING

a. INSTRUMENTS AND USE

i. Photo Ionization Detector

ii. Hazard Monitoring Frequency

a. INSTRUMENT MAINTENANCE AND CALIBRATION

b. DIRECT-READING INSTRUMENT RESPONSE DATA

SITE CONTROL

a. SAFE WORK PERMITS

b. SITE VISITORS

c. SITE SECURITY

d. SITE MAP

e. MATERIAL SAFETY DATA SHEET (MSDS) REQUIREMENTS

f. COMMUNICATION

SPILL CONTAINMENT PROGRAM

a. SCOPE AND APPLICATION

b. POTENTIAL SPILL AREAS

c. LEAK AND SPILL DETECTION

d. PERSONNEL TRAINING AND SPILL PREVENTION

e. SPILL PREVENTION AND CONTAINMENT EQUIPMENT

f. SPILL CONTROL PLAN

CONFINED SPACE ENTRY

MATERIALS AND DOCUMENTATION

a. MATERIALS TO BE POSTED OR MAINTAINED AT THE SITE 13.0 GLOSSARY

REFERENCES

ATTACHMENTS

a. INJURY/ILLNESS PROCEDURE AND REPORT FORM

b. MEDICAL DATA SHEET

c. SAFE WORK PERMITS

d. EQUIPMENT INSPECTION CHECKLIST

e. MATERIAL SAFETY DATA SHEETS

f. OSHA POSTER

TABLES

a. EMERGENCY CONTACTS

FIGURES

a. HOSPITAL ROUTE MAP

b. SITE LAYOUT

END OF SECTION