

APPENDIX D

SITE SPECIFIC HEALTH AND SAFETY PLAN

NORTHEAST CHURCH ROCK
REMOVAL SITE EVALUATION WORK PLAN

August 2006

STANDARD OPERATING PROCEDURE HEALTH AND SAFETY PLAN

Approvals:

Date:

MWH Health and Safety Manager

MWH Project Manager

SITE SPECIFIC HEALTH AND SAFETY PLAN

for the
Northeast Church Rock Site Removal Evaluation
New Mexico

1.0 ITEMS 1.0 – 9.0 TO BE COMPLETED BY PROJECT MANAGER OR SITE SAFETY COORDINATOR:

PROJECT NAME: Northeast Church Rock Removal Site Evaluation

REQUESTED BY: Toby Leeson

PROPOSED START-UP DATE: Summer 2006

Prepared by/Reviewed by Site Health and Safety Coordinator

Printed Name: Leah Wolf Martin

Signature _____ Date _____

Approved by Project Manager

Printed Name: Toby Leeson

Signature _____ Date _____

- 2.0 PROJECT DESCRIPTION:** The Northeast Church Rock (NECR) Mine Site Removal Evaluation Work Plan consists of data collection activities associated with investigation of metals and radionuclides in on-site and off-site surface and subsurface soils. The role of MWH at the site during site investigation activities will include oversight of the radiological subcontractor and collection of surface soil sampling and subsurface soil sampling using test pits and hollow-stem auger drilling.
- 3.0 LOCATION:** The NECR Mine is located in McKinley County, approximately 16 miles northeast of Gallup, New Mexico. The site is accessed via State Highway 566.
- 4.0 FACILITY/WORK SITE DESCRIPTION:** The NECR Mine site consists two sealed shafts with associated vent holes which have also been sealed, non-economic and overburden storage areas, buildings and foundations from former mine support facilities, mine roads, and NRC regulated areas including mine dewatering ponds and sand backfill locations. The off-site locations consist of the unnamed arroyo and eight homesites north of the site.

5.0 PERSONNEL AND TASKS:

Project Manager: Toby Leeson

Field Personnel: To be determined

On-site Safety Coordinator: To be determined

All personnel will be required to have a site briefing prior to first entry onto site. This briefing will be conducted by the MWH Field Coordinator or Project Manager. Additionally, “tailgate” safety meetings will be conducted daily prior to any activities.

All contractors to MWH, and their subcontractors, are required to have their own individual Site-Specific Health and Safety Plans, which will be reviewed and approved by the MWH Site Safety Coordinator prior to mobilization on site. All MWH employees as well as contractors to MWH will have current 8-hr HAZWOPER training and be part of a medical surveillance monitoring program

6.0 EMERGENCY RESPONSE

The on-site safety coordinator will have final authority for first response to on-site emergency situations. In the event that the on-site safety coordinator is not on site, an alternate coordinator will be designated with all applicable authority.

Upon arrival of the appropriate emergency response personnel, the site emergency coordinator shall defer all authority to emergency response personnel but will remain on the scene to provide any and all possible assistance. At the earliest opportunity, the site safety officer or the site emergency coordinator shall contact the MWH Project Manager or MWH Health and Safety Officer.

Project Manager:

Toby Leeson **Phone (W) :** (970) 879-6260 **Mobile Phone:** (970) XXX-XXX

Health & Safety Officer:

Leah Wolf Martin **Phone (W) :** (970) 879-6260 **Mobile Phone:** (303) 475-1135

Nearest Emergency Facility: Rehoboth McKinley Christian Health Care Services Medical Center

Location: 1901 Redrock Dr, Gallup, NM (see Figure D-1)

9. PERSONAL PROTECTIVE EQUIPMENT

Location	Job Function/Task	Initial Level of Protection			
		A	B	C	D
On-Site (NECR)	Surface and subsurface soil sampling Field radiological surveys				X
Off-Site (arroyo and homesites)	Surface and subsurface soil sampling Field radiological surveys				X

List the specific protective equipment and material (where applicable) for each of the Levels of Protection identified above.

Level D

- Coveralls (as required)
- Standard work clothes
- Hard hat
- Safety boots
- Safety glasses
- Goggles (as needed during water sampling)
- Acid resistant gloves (when sampling water)
- Safety vest (as required when around heavy equipment)
- Ear protection
- Dust mask (required during dusty conditions)

Modified Level D: Because of recent concerns over the newly identified Hantavirus, which has resulted in several deaths in the southwestern part of the United States, as well as the radiological concerns at this Site, respirators may be worn by site personnel in Level D ensembles. For this reason, personnel will have an air purifying respirator (APR), half-face or full-face, with either a dust filter or high efficiency particulate air (HEPA) filter to be used as a control device. The dust filter will suffice, as the contaminants are typically transported via dust particles. These filter devices can be any of the N, R, or P, 95, 99 or 100 classified series.

Use of respiratory protection occurs only in accordance with the requirements of S9 CFR 1910.134, and the HASP. When respiratory protective equipment requirements are mandated by OSHA in the chemical-specific standards included in Subparts D and Z of 29 CFR 1926, such requirements will be specified, as applicable, in the HASP. Field personnel and contractors whose employees use respiratory protective equipment to perform corrective action work must be enrolled in a respiratory protection program that complies with OSHA requirements.

NO CHANGES TO THE SPECIFIED LEVELS OF PROTECTION SHALL BE MADE WITHOUT THE KNOWLEDGE AND APPROVAL OF THE HEALTH AND SAFETY OFFICER AND THE PROJECT MANAGER.

10. ACTION LEVELS

Task personnel shall observe the following Action Levels:

Substance	Action Level	Specific Action
Air Quality – Total Suspended Particulate	High Level Dust and Visibility <20 ¹ ft. Some Dusty Conditions	Stop Work; Evaluate use of respiratory protection if work is to resume

11. CONFINED ENTRY PROCEDURES Not Applicable Applicable

Will this project require entry into any confined or partially confined space?

Yes - describe below No

It is not anticipated that any reclamation tasks will involve working in a confined space. If confined spaces are encountered work will be done in accordance with the subcontractor's HASP, as applicable.

12. CUTTING/WELDING PROCEDURES Not Applicable Applicable

Will any task involve use of a cutting torch or welding?

Yes - describe below No

Requirements

- Relocate or Protect Combustibles
 Wet Down or Cover Combustible Floor
 Check Flammable Gas Concentrations (% LEL) in air
 Cover Wall, Floor, Duct and Tank Openings
 Provide Fire Extinguisher

13. OTHER POTENTIAL HAZARDS

- | | |
|--|---|
| <input type="checkbox"/> Fire/Explosion | <input checked="" type="checkbox"/> Trips, Slips, Falls |
| <input checked="" type="checkbox"/> Temperature Stress | <input type="checkbox"/> Trenching/Shoring |
| <input type="checkbox"/> Electrical | <input checked="" type="checkbox"/> Heavy Equipment/Vehicular Traffic |
| <input type="checkbox"/> Gas (Sulfur, O ₂ deficiencies) | <input checked="" type="checkbox"/> Overhead Hazards |
| <input checked="" type="checkbox"/> Unstable/Uneven Terrain | <input type="checkbox"/> Machinery/Mechanical Equipment |
| <input type="checkbox"/> Torch Cutting or Welding | <input checked="" type="checkbox"/> Other - Describe below |

Description:

- Site location is subject to hot and cold weather extremes. Cold exposure may increase with wind velocity. Weather conditions have the potential become extreme rather quickly (rain or snow). Cold weather and rain gear should be available at the site at all times. Site personnel should be aware of heat stroke potential, and monitor as appropriate during warm weather activities.

- Personnel need to be aware of unmarked hazards, which may potentially cause slips, trips, and falls. These unmarked hazards may include unstable or uneven terrain, miscellaneous site debris, piping, cables, etc.
- A drill rig or excavator will be used during the sampling subsurface soils. Caution and an alert attitude should be used when near heavy equipment. Keep a safe distance at all times. Equipment should be approached only after it has stopped and after eye contact has been established with the operator. Personnel should also be aware of regular vehicular traffic. Site trucks and other equipment should always be parked outside of heavy equipment work areas.

14. **PERSONAL MONITORING** Not Applicable Applicable

Passive Dosimeter Biological Monitoring Personal Air Sampling Other

Does this project require medical surveillance or biological monitoring procedures beyond the provisions of the routine medical surveillance program? Yes No

If yes, describe below.

Personnel monitoring will be required using film badges that will be supplied by a NVLAP-approved processor. The exchange frequency for film badges is usually monthly due to technical concerns about film fading. The NVLAP-approved processor will be consulted for its recommendations for exchange frequency and proper use. Each MWH employee and contractor of MWH will be monitored.

Description: N/A

15. **PERSONAL DECONTAMINATION** Not Applicable Applicable

ON-SITE CONTROL Not Applicable Applicable

At this time, contamination is not expected in any of the areas where monitoring is planned. Therefore, a Controlled Zone has not been established. If a Controlled Zone is established, personnel and equipment leaving the Controlled Zone shall proceed through the following decontamination stations and procedures from the decontamination zone (Decontamination area(s) designated for all decontamination activities, will be selected by MWH field supervisors):

A: Personnel Decontamination

(Procedure not required unless action level utilizes Modified Level D PPE or higher.)

Station Procedure

3. Respirator Remove respirator - wash nightly

Emergency Decontamination Procedures:

If decontamination can be done: Wash, rinse and/or cut off protective clothing and equipment.

If decontamination cannot be done: Wrap victim in blankets, plastic or rubber to reduce contamination of other personnel. Alert emergency and off-site personnel to potential contamination; instruct them about specific decontamination procedures if necessary. Send along site personnel familiar with the incident.

The following decontamination equipment is required:

NONE

SANITATION REQUIREMENTS (May be clarified during future site visit.)

Potable water supply (portable water cooler) available on work site? Yes No

Portable toilets required on work site? Yes No

Temporary washing/shower facilities required at work site?

Yes If yes, describe below.

No If no, state location of existing facilities. UNC office building approximately one mile south of the site.

16. EMERGENCY PROCEDURES This section is to be posted in a prominent location on-site.

EMERGENCY RESPONSE

The on-site safety coordinator, to be determined, has final authority for first response to on-site emergency situations. In the event that the on-site safety coordinator is not available, an alternate coordinator will be designated with all applicable authority.

Nearest Emergency Facility: Rehoboth McKinley Christian Health Care Services Medical Center

Location: 1901 Redrock Dr, Gallup, NM

Telephone: (505) 863-7000

Upon arrival of the appropriate emergency response personnel, the site emergency coordinator shall defer all authority but shall remain on the scene to provide any and all possible assistance. At the earliest opportunity, the site safety officer or the site emergency coordinator shall contact the MWH Project Manager or Health and Safety Officer.

Project Manager:

Toby Leeson **Phone (W) :** (970) 879-6260 **Mobile Phone :** (303) 324-2914

Health & Safety Officer:

Leah Wolf Martin **Phone (W) :** (970) 879-6260 **Mobile Phone (H) :** (303) 475-1135

On-site Communication Required? Yes No

On-site Emergency Phone Number: N/A

Emergency Channel: N/A

Nearest Telephone: Office building at the Mill Site.

Mobile Telephone (site): Limited cellular service in area.

FIRE AND EXPLOSION

In the event of a fire or explosion, if the situation can be readily controlled with available resources without jeopardizing the health and safety of yourself, the public, or other site personnel, take immediate action to do so, otherwise:

1. Notify emergency personnel by calling 911
2. If possible, isolate the fire to prevent spreading.
3. Evacuate the area.

EXPOSURE

Site workers must notify the site Health and Safety Officer immediately in the event of any injury or any of the signs or symptoms of overexposure to heat or cold.

Designated Personnel Current in First Aid/CPR: To be determined

REQUIRED EMERGENCY BACK-UP EQUIPMENT/NOTIFICATIONS:

(Located in back of field vehicle.)

- Fire extinguisher
- First aid kit, including eye wash
- Portable phone
- Radio
- Flares
- Water in field vehicles, including ample volume for possible rinsing
- Hearing protection
- Dust masks
- Rain and cold weather gear
- Buddy System – make sure someone else knows where you are and your schedule

17. FIELD PROCEDURES CHANGE AUTHORIZATION

Instruction Number to be changed:
Duration of Authorization Requested:

Date:

Description of Procedure Modification:

Justification:

Person Requesting Change:

Verbal Authorization Received From:

Name

Name

Title

Title

Signature Date

Approved By Date

(Signature of person named above to be obtained within 48 hours of verbal authorization)

18. SAFETY BRIEFING

The following safety briefing will be completed each day prior to commencement of site activities:

The following personnel were present at pre-job safety briefing conducted at _____(time), on _____(date) at _____(location) and have read the above plan and are familiar with its provisions:

The personnel whose signatures appear below were in attendance at said briefing and are familiar with the provisions of this Health and Safety Plan:

Name	Signature
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

- Fully charged ABC Class fire extinguisher available at work site? Yes ___
- Fully stocked first aid kit available on site? Yes ___
- All project personnel advised of location of nearest phone? Yes ___
- All project personnel advised of location of designated medical facility or facilities? Yes ___

Printed Name of Project Manager or Site Safety Officer

Signature and Date

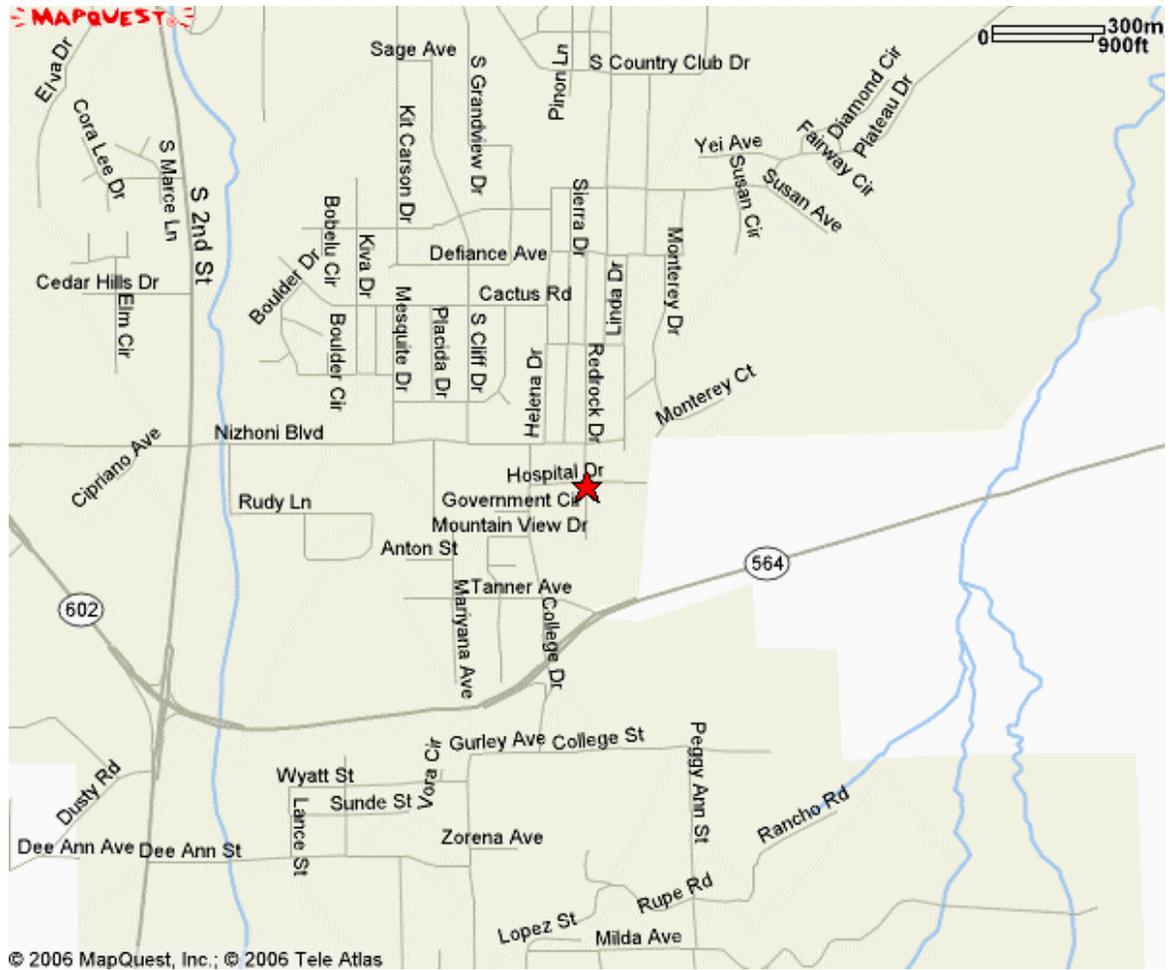


Figure D-1 Hospital Map