



WM-73

**Department of Energy**  
Albuquerque Operations Office  
P.O. Box 5400  
Albuquerque, New Mexico 87115

FEB 06 1990

Mr. Edward F. Hawkins  
Licensing Branch 1  
Uranium Recovery Field Office  
Nuclear Regulatory Commission, Region IV  
P.O. Box 25325  
Denver, CO 80225



Dear Ed,

Enclosed for your information is one (1) copy of Project Interface Document (PID) No. 18-S-14 regarding the Tuba City, Arizona site. The PID is a result of long-term surveillance and maintenance requirements. Locating the fence on the site boundary will provide better protection for site permanent features and sufficient space between the fence and facility for future maintenance, if necessary.

The PID is considered a "Class II" change pursuant to Section 8.11 of the Remedial Action Plan. Should you have any questions or feel the "Class II" designation should be "Class I", please contact Michael Abrams of my staff at (505) 845-4628, immediately.

Sincerely,

Mark L. Matthews  
Acting Project Manager  
Uranium Mill Tailings Project Office

Enclosure

cc w/o enclosure:  
D. Gillen, NRC-HQ  
J. Oldham, MK-F  
K. Agogino, JEG

9712290148 900206  
PDR WASTE  
WM-73 PDR

OFFICIAL DOCKET COPY

90-0273



# UMTRA PROJECT OFFICE PROJECT INTERFACE DOCUMENT

|  |                         |                      |                |  |
|--|-------------------------|----------------------|----------------|--|
| Site<br>Tuba City  | Date<br>18 Jan 1990     | PID No.<br>18-S-14   | Site No.<br>18 | Vic Pro No.                                    |
| Originator and Location<br>D. M. Bolton, SFO               | Phone<br>(415) 442-7586 | Organization<br>MKES | Answer By:     | References:<br>Subcontract:<br>Subcontract No: |
| Subject<br>Revision to Tuba City S&M Subcontract Documents |                         |                      |                |  |

## Description of Problem and Recommended Solution

☐ Clarification☒ Change

Problem: DOE has directed that the following changes be made to the Tuba City S&M Subcontract documents:

1. Locate the security fence on the site boundary.
2. Place an access gate adjacent to US160 as shown on DOE sketch.
3. Install the site marker (SMK-1) immediately to the left or right of the access gate and inside the fence.
4. Install the entrance sign on a post inside the fence and adjacent to the gate.
5. Increase the number of perimeter signs and locate inside the fence at the locations shown on the DOE sketch.
6. Offset the boundary and boundary/survey monuments inside the fence.

Solution: Revise Spec. No. 01055 (Monuments and Surveys), Spec. No. 02850 (Signs), Spec. No. 10421 (Site Markers), Section 00310 (Bid Schedule) and Dwg. No. TUB-PS-10-0834, Rev. 0 to conform to the DOE directive.

Attachment: Letter with sketch from DOE to MKF, dated 8 Jan. 1990.

Originator

Signature

Date

Disposition ☒ Approved ☐ Disapproved ☐ Approved as NotedCriteria Change? ☐ Yes ☒ No  
(If Yes, DOE approval required)

RAC Site Manager

RAC Project Control

RAC Engineering/Design

RAC Construction Engineer

Reviewed for Quality  
Requirements

Signature

Date

Distribution

Name

Location

Name

Location

Cost/Time Est.

RAC Site Mgr. E. W. UpceDOE Proj Engr. M. AbramsTAC Site Mgr. K. NgoginoRAC Site Qual. Engr. W. HayesRAC HS&E Mgr. F. PetelkaRAC Constr. Engr. Mgr. R. CooneyRAC Qual. Mgr. P. Cote

Other

J. Oldham F. FelizJ. Hymas J. Garcia☐ Attached☐ Not Required☐ DOE Approval  
Req.



MKE DOC. No. 4005-TUB-L-03-02372-00

RECEIVED - MKE

JAN 10 1990

UMTRA-S.F.

Mr. James G. Oldham  
Project Director  
MK-Ferguson Company  
P.O. Box 9136  
Albuquerque, NM 87119

**Department of Energy**  
Albuquerque Operations Office  
P.O. Box 5400  
Albuquerque, New Mexico 87115

JAN 08 1990

MK-FERGUSON CO.  
 ALBUQUERQUE

JAN 03 1990

RECEIVED

Dear Jim,

The U. S. Department of Energy (DOE) requests MK-Ferguson Company (MK-F) to relocate the planned "disposal cell fence" at the Tuba City disposal site as shown on enclosed drawing number TUB-PS-10-0834. Refer to Project Office letter to you dated August 3, 1989. The requested location places the fence on the disposal site boundary.

The planned location of the fence prevents future access to the disposal cell by DOE surveillance and maintenance teams. Furthermore, the perimeter signs should be located, as specified below, at the perimeter of the disposal site boundary (not around the disposal cell as currently planned). Additionally, the requested location of the fence will protect these signs and other permanent features from vandalism and theft. Relocating the fence as shown will require the following additional changes:

1. An access gate should be placed at the site entrance coincident with the road to the site from US 160 as shown on the attached figure. Note that the final position of the gate should allow vehicles to enter the site.
2. The site marker (SMK-1) should be installed immediately to the left or right of the gate (inside the fence) but should not restrict vehicular traffic into the disposal site area.
3. The entry sign should be installed on a post (highway standard or equivalent) behind the fence, immediately adjacent to the gate. The U. S. Nuclear Regulatory Commission has requested that the entry and perimeter signs for all disposal sites be installed on posts behind the fence(s), rather than attached to the fence, to discourage theft.
4. The perimeter signs, installed on posts behind the fence, should be placed as indicated on the attached figure. Since the signs have been placed to guarantee visibility, as per the Guidance Document (DOE, 1986), additional signs will, therefore, be needed.
5. The boundary and boundary/survey monuments currently placed at the corners of the disposal site property should be offset inside the fence.

JAN 08 1990

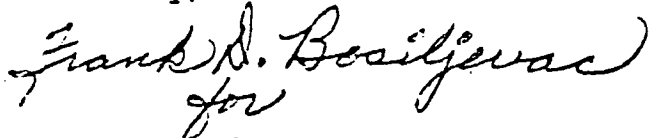
James G. Oldham

2

Since the survey/boundary monuments also will be used here to measure displacements for the four settlement plates, the amount of offset required for these monuments should be sufficient to permit their use in measuring the displacements with ease.

We trust that these changes can be implemented with a minimum of effort. Should you have any questions, please contact Milt Scoutaris or Mike Abrams of my staff.

Sincerely,

A handwritten signature in cursive script that reads "Frank D. Basilgevac". Below the signature, the word "for" is written in a smaller, simpler script.

Mark L. Matthews  
Acting Project Manager  
Uranium Mill Tailings Project Office

Enclosure

cc w/enclosure:

M. Abrams, UMTRA

K. Agogino, JEG

B. Glover, JEG

C. Persson-Reeves, JEG

**TUBA CITY DISPOSAL SITE LOCATION:**  
 TOWN, R12E, SEC-20, COCONINO COUNTY,  
 ARIZONA

**LEGEND**

- SM 1/2 MT-2 SURVEY/BOUNDARY MONUMENT
- MT-4 BOUNDARY MONUMENT
- PK 1 SITE MARKER
- P PERMETER SIGN
- E ENTRANCE SIGN
- SP SETTLEMENT PLATE
- ▲ PROPOSED SURVEY CONTROL POINT
- SITE BOUNDARY
- N10.000 CONSTRUCTION GRID COORDINATE
- PERMANENT DRAINAGE DITCH OR CANAL
- EXISTING FENCE
- DISPOSAL CELL FENCE

**NOTES**

1. MONITOR WELL LOCATIONS ARE SHOWN ON THE PLAN.
2. COORDINATES OF MONUMENTS, MARKERS, AND SETTLEMENT PLATES ARE LISTED IN TABLE 2.1.
3. INTERNAL SITE FENCE AND PERMETER SIGN LOCATIONS ARE APPROXIMATED.

200 0 200 400  
 SCALE FEET

|  |                   |
|--|-------------------|
| U. S. DEPARTMENT OF ENERGY                 |                   |
| ALBUQUERQUE, NEW MEXICO                    |                   |
| TUBA CITY SITE                             |                   |
| TUBA CITY, ARIZONA                         |                   |
| SURVEILLANCE AND MAINTENANCE PLAN          |                   |
| FINAL                                      |                   |
| LOCATIONS OF MONUMENTS, MARKERS, AND SIGNS |                   |
| DATE                                       | BY                |
| 10/2/79                                    | W. J. [illegible] |
| 10/2/79                                    | W. J. [illegible] |
| DE-AC04-83A1171M                           |                   |
| 1100-15-10 10/4                            |                   |

**FIGURE 1.2**  
**FINAL SITE CONDITIONS**  
**TUBA CITY, ARIZONA, DISPOSAL SITE**

**< UNREVISED DRAFT >**

|   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     |
|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | 100 |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | 100 |