REV 45

# DOCUMENT CONTROL SYSTEM - CORRESPONDENCE FILE

WELDON SPRING SITE REMEDIAL ACTION PROJECT
MK-FERGUSON CO., INC. WO 3589 (314) 441-8086
7295 Highway 94 South
St. Charles, MO 63303

Document Number: 82062

▸▸Document Type:

Originators DCN:

▸SUBJECT Southeast Drainage Post Cleanup Evaluation

▸AUTHOR Gene Valett ▸▸TO Pam Thompson ▸▸DATE 2-11-99

▸SUBJECT CODE/WORK PACKAGE NUMBER 1020.3.WR331

REFERENCED DOCUMENT(S)

## ACTION ITEM TRACKING

INITIATE ACTION ITEM

INDIVIDUAL ASSIGNED TO ACTION DEPARTMENT

ACTION REQUIRED

DUE DATE / / ACTION ITEM LOG NUMBER

CLOSE ACTION ITEM

ACTION ITEM LOG NUMBER INITIATING DOCUMENT DIN

COMPLETION DATE APPROVAL

COMMENTS

| DISTRIBUTION | ATTACH W | ATTACH W/O | APPRVL. ROUTE ORDER | APPRVL. ROUTE INITIAL | DISTRIBUTION | ATTACH W | ATTACH W/O | APPRVL. ROUTE ORDER | APPRVL. ROUTE INITIAL | DISTRIBUTION | W | W/O |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| D.E. STEFFEN | | | | | S.D. ANDERSON | | | | | DOE | | |
| K.M. GREENWELL | | ✓ | 2.1 | | G.L. VALETT | ✓ | | GLV | 2 | E.S. MCCRACKEN | | |
| S.E. WARREN | ✓ | | | | E. BRANCHFIELD | | | | | G.A. NEWTOWN | | |
| J.A. COONEY | | | | | M.L. WESELY | | | | | P.S. THOMPSON | | |
| J. HEITKAMP | | | | | S.L. HODGES | | | | | J.E. ENRIGHT | | |
| D.K. MURANO | | | | | | | | | | K.A. REED | | |
| P.D. CATE | | | | | | | | | | T.C. PAULING | | |
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| C.L. SPRINGMEIER | | | | | Lu Kronstedt | ✓ | | | | A.D. PICKETT | | |
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| G.E. MCKAY | | | | | | | | | | S. RICHARDSON | | |
| D.S. MIXSON | | | | | File 1020.3.WR331 | | | | | Y. DEYO | | |
| M. MITCHELL | | | | | | X | | | | W.R. OWEN | | |
| ~~H.R. LEWIS~~ P. Finch | | ✓ | | | DOCUMENT CONTROL: | | | | | J. MARTIN | | |
| C.R. SAVAGE | | | | | CORRESPONDENCE FILE | | | | | | | |
| D.C. WIGTON | | | | | WORK PACKAGE FILE | | | | | | | |
| ~~J.E. WILLIAMS~~ M. Wesely | | ✓ | | | | | | | | | | |
| | | | | | TECH EDITOR with changes | | | J | | | | |
| | | | | | ORIGINATOR N Keller | X | | NS | 1 | | | |

MORRISON KNUDSEN CORPORATION
MK-FERGUSON GROUP

WELDON SPRING SITE REMEDIAL ACTION PROJECT
7295 HIGHWAY 94 SOUTH
ST CHARLES, MISSOURI U S A 63304
PHONE (314) 441-8086

FEBRUARY 11, 1999

U. S. Department of Energy
Weldon Spring Site
Remedial Action Project
ATTN: Ms. Pamela Thompson
Contracting Officer
7295 Highway 94 South
St. Charles, MO 63304

SUBJECT: **CONTRACT NO. DE-AC05-86OR21548**
**SOUTHEAST DRAINAGE POST CLEANUP EVALUATION**

REFERENCE: Letter from Steve McCracken to Doug Steffen dated October 6, 1998, "Post-Cleanup Evaluation for the Southeast Drainage"

Dear Ms. Thompson:

Remediation in the Southeast Drainage was completed in February 1998 as a result of Work Package 470A activities. The environmental documentation approved for the project (EE/CA; DOE/OR/21548-584) states that cleanup is achieved through risk reduction rather than confirmation. Results of samples taken as required by the post-remediation sampling plan were analyzed by Argonne National Labratory. The results of this assessment indicate that risk reduction was achieved in each segment of the drainage.

However, the DOE has indicated in the referenced letter, that two areas (locations #60 and #101) have been identified by a post-cleanup evaluation for a possible limited removal effort. As a result, Work Record #331 was established to track the costs associated with this post-cleanup evaluation and removal effort.

The PMC has investigated these areas and determined through discussions with the DOE that approximately 10 cubic yards of contaminated soil could be removed from both locations utilizing WP505 labor and on-site equipment for an estimated cost of $27,530 as detailed on the attached estimate.

Per the changes clause, the PMC hereby requests approval from the DOE to complete this post-cleanup removal effort.

Sincerely,

Douglas E. Steffen
Project Director

DES/NLK

Attachment: as stated

cc: Stephen H. McCracken

- 82062

# REQUEST FOR ASSISTANCE

| | | |
|---|---|---|
| WP/TASK: WR-331 | DATE: Jan 25, 1999 | RFA NO.: 1662-R2 |
| TO: Gary Greenman | FROM: Lee Koehnstedt | |
| ASSIGNED TO: Gary Greenman | | |

REQUEST: Please Revise RFA #1662-R1 to include two days of labor for confirmation sampling.

REFERENCES:

RESPONSE REQ'D. BY:

RESPONSE: Please see revised estimate dated Jan. 25, 1999.

REFERENCES:

| | |
|---|---|
| DATE RETURNED: Jan. 26, 1999 | SIGNATURE: Gary R. Greenman |
| LABOR HOURS REQUIRED: | DISTRIBUTION: Lee Koehnstedt |
| OTHER DIRECT COSTS: | Gary Greenman<br>RFA File |

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MORRISON KNUDSEN CORPORATION
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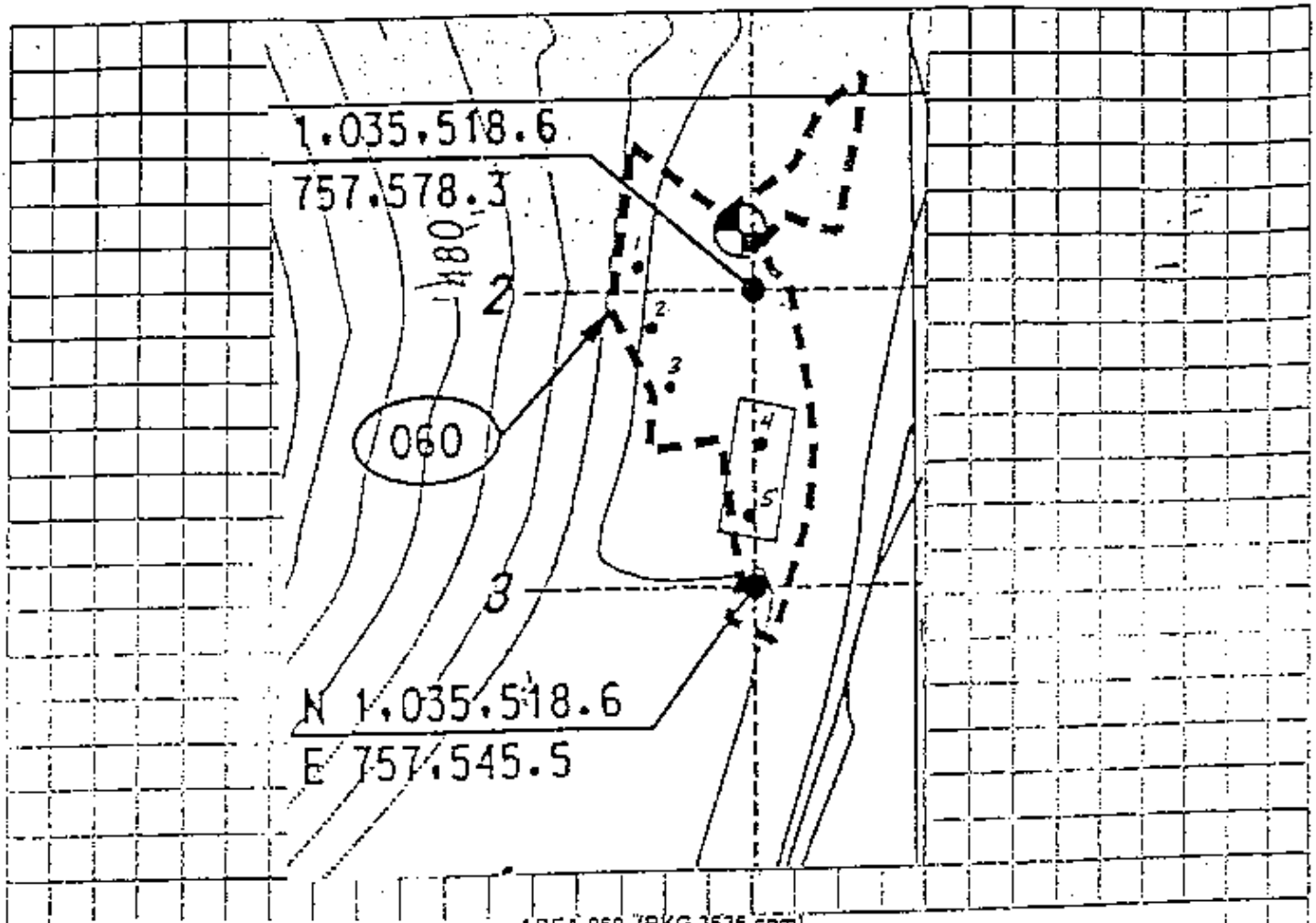
CALCULATION SHEET
ENG-9s.1, REV.0, 9/92

Sheet 1/2

Project SED Post Cleanup
Feature Work Record #331
Item AREA 060

Contract No. 3589
Designed GLV
Checked

File No.
Date
Date 21 DEC 98




AREA 060 (BKG 3636 cpm)

| LOCATION | READING | Ra226/228 | U238 | Th230 |
|---|---|---|---|---|
| 1. | 7400 | 5.20/ND | 63.52 | ND |
| 2. | 5900 | 2.91/1.07 | 10.56 | ND |
| 3. | 7000 | 2.59/3.13 | 10.20 | ND |
| 4. | 30,000 | 3.52/1.05 | 11.87 | 73.11 |
| 5. | 50,000 | 24.89/2.41 | 41.37 | 625.73 |

Volume Calculation:
15' x 6' x 1' = 90 ft³ = 3.3 yd³

0ft 10 20 40 80ft

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MORRISON KNUDSEN CORPORATION
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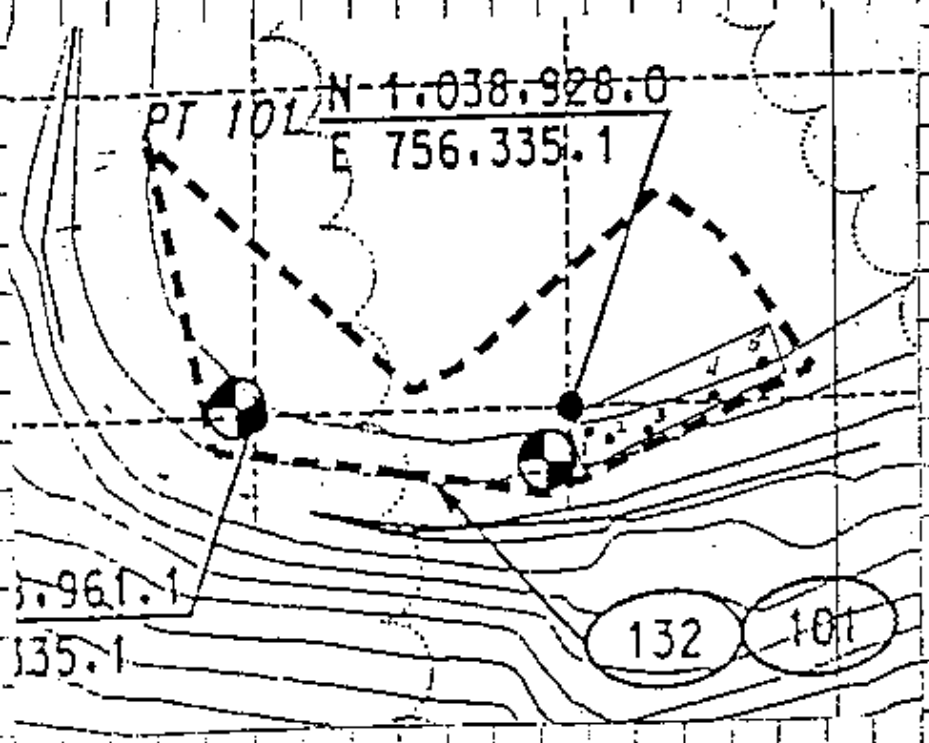
CALCULATION SHEET
ENG-9s.1, REV.0, 9/92

Sheet 2/2

Project SED POST CLEANUP
Feature WORK RECORD #331
Item AREA 101

Contract No. 3589
Designed GLV
Checked

File No.
Date
Date 21DEC98




AREA 101 (BKG 3500 cpm)

| LOCATION | READING | Ra226/228 | U238 | Th230 |
|---|---|---|---|---|
| 1. | 9000 | 7.57/0.92 | 5.01 | 174.61 |
| 2. | 22,000 | 14.94/1.52 | 20.09 | 407.13 |
| 3. | 30,000 | 51.94/5.32 | 37.76 | 2481.14 |
| 4. | 14,000 | 19.49/1.67 | 29.90 | 263.65 |
| 5. | 13,000 | 9.36/1.48 | 39.88 | 204.93 |

VOLUME CALCULATION:
28' x 6' x 0.7' = 117.6 ft³ = 4.4 yd³

03

0ft 10 20 40 80ft

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MORRISON KNUDSEN CORPORATION

OPERATION WR-331, SF Drainage Cont. Soil Remediation ITEM NO. SHEET 1 OF 1 PAGE

Pangea Labor / PMC Equipment JOB WSSRAP

QUANTITY UNIT EST. BY GPG CK'D. BY DATE Jan. 25, 1999

| | L | E | S | T |
|---|---|---|---|---|
| WR 331 SF Drainage Cont. Soil Remediation, Pangea Labor / PMC equipment | | | | |
| Costs taken from REA 1682 | | | | |
| 1) Misc supplies / expense | 1230 | | 270 | 1500 |
| 2) Surveying | 800 | | | 800 |
| 3) Remove soil from access road | 351 | | 18 | 369 |
| 4) Remove trees and pioneer access to 60/101 locations | 2044 | | 104 | 2148 |
| 5) Remove cont. soil | 5099 | | 264 | 5363 |
| 6) Decon backhoe / truck | 640 | | 32 | 672 |
| 7) Foreman / pickup | 2898 | 378 | 369 | 3645 |
| 8) Confirmation sampling (2 days 3 La 1 op) | 3598 | | | 3598 |
| Subtotal | 16,660 | 378 | 1057 | 18095 |
| Pangea OH Profit @ .323 | 5381 | 122 | 341 | 5844 |
| | 22,041 | 500 | 1398 | 23939 |
| 15% contingency | 3.306 | 75 | 210 | 3591 |
| | 25.347 | 575 | 1608 | 27530 |