

PERMIT TRACKING FORM

Permit Amendment(INS)
 Exploration Permit(INS)
 N.O.V. (INS)
 D.O.
 Permit Transfer
 Incidental Boundary Change
 Permit Midterm (MT)
 Permit Renewal (PR)
 New Permit
 Significant Revision (SR)
 Bond Release (BR)

| | | | | |
|--------------------|---------|--------------------------|-----------------|-------------------------|
| DATE RECEIVED | 7/31/97 | By: tat (Initial) | PERMIT NUMBER | ACT/007/022 |
| Title of Proposal: | Midterm | | PERMIT CHANGE # | MT-97 |
| Description: | | | PERMITTEE | SAVAGE INDUSTRIES, INC. |
| # Copies Required | 3 | # Copies Received | MINE NAME | SAVAGE COAL TERMINAL |

PERMIT CHANGE APPLICATION SENT TO SLC DATE: _____ LETTER TO PERMITTEE: _____

| | | | |
|---|-----------|-----------|--------------------------|
| <input type="checkbox"/> 15 DAY INITIAL RESPONSE TO PERMIT CHANGE APPLICATION OR INITIAL COMPLETENESS REVIEW | DATE DUE | DATE DONE | LETTER TO PERMITTEE: |
| <input type="checkbox"/> Notice of Affidavit of Publication. (If change is a Significant Revision, New Permit or Permit Transfer) | DATE DUE: | DATE DONE | PUBLIC COMMENT RECEIVED: |

| PRICE REVIEW TRACKING | REVIEW | | SLC REVIEW TRACKING | REVIEW | |
|---|--------|------|---|--------|-------------|
| | DUE | DONE | | DUE | DONE |
| <input type="checkbox"/> Lead <input type="checkbox"/> Generalist | | | <input type="checkbox"/> Lead <i>DRH</i> | | <i>8/15</i> |
| <input type="checkbox"/> Administrative | | | <input type="checkbox"/> Administrative | | |
| <input type="checkbox"/> Land Use/AQ | | | <input type="checkbox"/> Land Use/AQ | | |
| <input type="checkbox"/> Biology | | | <input type="checkbox"/> Biology <i>SMW</i> | | |
| <input type="checkbox"/> Engineering | | | <input type="checkbox"/> Engineering <i>WHW</i> | | |
| <input type="checkbox"/> Geology | | | <input type="checkbox"/> Geology | | |
| <input type="checkbox"/> Soils | | | <input type="checkbox"/> Soils <i>RAD</i> | | |
| <input type="checkbox"/> Hydrology | | | <input type="checkbox"/> Hydrology <i>SKF</i> | | |

| | | | | |
|----------------|-------|---|-------|--|
| TA Review Due | Date: | Permittee Response Due | Date: | DIVISION DECISION LETTER |
| | | <input type="checkbox"/> Stipulation <input type="checkbox"/> Condition | | <input type="checkbox"/> APPROVE <input type="checkbox"/> DENY |
| | | <input type="checkbox"/> No Requirements | | |
| TA Review Done | Date: | Response Received | Date: | Date: |

| COORDINATED REVIEWS | PHONE CONTACT | SENT | DUE | RECEIVED | ADDITIONAL TRACKING | Date: |
|---|---------------|------|-----|----------|---------------------------------|-------|
| <input type="checkbox"/> OSMRE | | | | | PUBLIC HEARING | |
| <input type="checkbox"/> US Forest Service | | | | | LETTER FROM COMPLIANCE SUPER. | |
| <input type="checkbox"/> BLM | | | | | AVS COMPLETED | |
| <input type="checkbox"/> US FWS | | | | | APPROVAL EFFECTIVE DATE | |
| <input type="checkbox"/> US NPS | | | | | APPROVED COPY TO FILE | |
| <input type="checkbox"/> UT SHPO (L, NA) | | | | | APPROVED COPY TO PERMITTEE | |
| <input type="checkbox"/> UT DEQ (L) | | | | | APPROVED COPY TO PFO/SLC | |
| <input type="checkbox"/> UT Water Rights (L) | | | | | APPROVED COPY TO AGENCIES | |
| <input type="checkbox"/> UT Wildlife Resources(L) | | | | | CHIA MODIFIED | |
| <input type="checkbox"/> UT SITLA | | | | | UPDATE MASTER TA DONE/NEEDED | |

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|------------------------------|----------------------|
| PRICE FIELD OFFICE COMMENTS: | SLC OFFICE COMMENTS: |
|------------------------------|----------------------|

Bonding Calculations
Savage Coal Terminal
Revised

September, 1997

Bond Summary

Direct Costs

| | |
|----------------------------------|-------------|
| Subtotal Demolition and Removal | \$843,570 |
| Subtotal Backfilling and Grading | \$436,720 |
| Subtotal Revegetation | \$412,786 |
| Subtotal of Reclamation Costs | \$1,693,076 |

Indirect Costs

| | |
|----------------------------------|-----------|
| Maintenance and Monitoring (10%) | \$169,308 |
| Contingency (10%) | \$169,308 |
| Engineering Redesign (5%) | \$84,654 |
| Startup Costs (5%) | \$84,654 |
| Contract Management (5%) | \$84,654 |

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|-------------------------|-----------|
| Subtotal Indirect Costs | \$592,578 |
|-------------------------|-----------|

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|----------------------------|-------------|
| Total Cost in 1997 Dollars | \$2,285,654 |
|----------------------------|-------------|

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|------------------------------|-----------|
| Escalation 2.52% for 4 years | \$239,250 |
|------------------------------|-----------|

| | |
|----------------------------|-------------|
| Total Cost in 2001 Dollars | \$2,524,904 |
|----------------------------|-------------|

| | |
|--|-------------|
| Bond Amount (rounded to nearest \$1,000) | \$2,525,000 |
|--|-------------|

| MAP REF. | DESCRIPTION | MATERIALS | MEANS REFERENCE NUMBER | UNIT COST | UNIT | LENGH | WIDTH | HEIGHT | DIA. | AREA | VOL. | WEIGH | DEN. | TIME | # | UNIT | SWELL FACTOR | QUANTITY | UNIT | COST | |
|----------|-------------------------------|----------------------------|------------------------|-----------|------|-------|-------|--------|------|------|------|-------|------|------|---|------|--------------|----------|------|----------|--|
| | Shop/Office | | | | | | | | | | | | | | | | | | | | |
| | Structure's Demo. Cost | Steel Building | 020 604 0012 | 0.21 | /CF | 100 | 45 | 10 | | | | | | | | Ft | | 45000 | CF | \$9,450 | |
| | Rubble's Vol. (excl scrap) | | | | | | | | | | | | | | | | 0.01 | 17 | CY | | |
| | Rubble's Weight (excl. scrap) | | | | | | | | | | | | | | | | | 0 | | | |
| | Transport Cost Non-Scrap | | | | | | | | | | | | | | | | | | | | |
| | Disposal Cost Non-Scrap | Bld. Materials | 020 612 0100 | 48.00 | /CY | | | | | | | | | | | | | 17 | CY | \$816 | |
| | Steel's Weight | | | | | | | | | | | | | | | | | | | | |
| | Transport Cost Steel | | | | | | | | | | | | | | | | | | | | |
| | Disposal Cost Steel | | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | \$10,266 | |
| | Equipment's Demolition Cost | Chain Link 8' to 10' high | 020 554 0700 | 2.39 | /LF | 240 | | | | | | | | | | LF | | 240 | LF | \$574 | |
| | Dismatle Cost | | | | | | | | | | | | | | | | | | | | |
| | Transport Cost | | | | | | | | | | | | | | | | | | | | |
| | Disposal Cost | | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | \$574 | |
| | Pad's Demo. Cost | Custom Concrete Demolition | CustConDemo | 28.00 | CY | 100 | 45 | 0.5 | | | | | | | | FT | | 83 | CY | \$2,324 | |
| | Site Factor | | | | | | | | | | | | | | | | | | | | |
| | Reinforcement Factor | | | | | | | | | | | | | | | | | | | | |
| | Volume (Dimolished) | | | | | | | | | | | | | | | | 1.3 | 108 | CY | | |
| | Transport Cost | | | | | | | | | | | | | | | | | | | | |
| | Disposal Fee | On Site Disposal | 020 554 5550 | 6.55 | /CY | | | | | | | | | | | | | 108 | CY | \$707 | |
| | Subtotal | | | | | | | | | | | | | | | | | | | \$3,031 | |
| | Foundation's Demo. Cost | | | | | | | | | | | | | | | | | | | | |
| | Site Factor | | | | | | | | | | | | | | | | | | | | |
| | Horizontal Rein. Factor | | | | | | | | | | | | | | | | | | | | |
| | Vertical Rein. Factor | | | | | | | | | | | | | | | | | | | | |
| | Volume (Dimolished) | | | | | | | | | | | | | | | | | | | | |
| | Transport Cost | | | | | | | | | | | | | | | | | | | | |
| | Disposal Cost | | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | | |
| | Footer's Demo. Cost | | | | | | | | | | | | | | | | | | | | |
| | Site Factor | | | | | | | | | | | | | | | | | | | | |
| | Rein. Factor | | | | | | | | | | | | | | | | | | | | |
| | Volume (Dimolished) | | | | | | | | | | | | | | | | | | | | |
| | Transport Cost | | | | | | | | | | | | | | | | | | | | |
| | Disposal Cost | | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | | |
| | Total | | | | | | | | | | | | | | | | | | | \$13,871 | |

| MAP REF. | DESCRIPTION | MATERIALS | MEANS REFERENCE NUMBER | UNIT COST | UNIT | LENGH | WIDTH | HEIGHT | DIA. | AREA | VOL. | WEIGH | DEN. | TIME | # | UNIT | SWELL FACTOR | QUANTITY | UNIT | COST | |
|----------|-------------------------------|----------------------------|------------------------|-----------|------|-------|-------|--------|------|------|------|-------|------|------|---|------|--------------|----------|------|---------|---------|
| | No. 1 Truck Dump | | | | | | | | | | | | | | | | | | | | |
| | Structure's Demo. Cost | Steel Building | 020 604 0012 | 0.21 | /CF | 16 | 16 | 22 | | | | | | | | | | 5632 | CF | \$1,183 | |
| | Rubble's Vol. (excl scrap) | | | | | | | | | | | | | | | | 0.01 | 2 | CY | | |
| | Rubble's Weight (excl. scrap) | | | | | | | | | | | | | | | | | | | | |
| | Transport Cost Non-Scrap | | | | | | | | | | | | | | | | | 2 | CY | \$96 | |
| | Disposal Cost Non-Scrap | Bld. Materials | 020 612 0100 | 48.00 | /CY | | | | | | | | | | | | | | | | |
| | Steel's Weight | | | | | | | | | | | | | | | | | | | | |
| | Transport Cost Steel | | | | | | | | | | | | | | | | | | | | |
| | Disposal Cost Steel | | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | | \$1,279 |
| | No. 2 Truck Dump | | | | | | | | | | | | | | | | | | | | |
| | Structure's Demo. Cost | Steel Building | 020 604 0012 | 0.21 | /CF | 16 | 6 | 8 | | | | | | | | | | 768 | CF | \$161 | |
| | Rubble's Vol. (excl scrap) | | | | | | | | | | | | | | | | 0.01 | 0 | CY | | |
| | Rubble's Weight (excl. scrap) | | | | | | | | | | | | | | | | | | | | |
| | Transport Cost Non-Scrap | | | | | | | | | | | | | | | | | 0 | CY | \$0 | |
| | Disposal Cost Non-Scrap | Bld. Materials | 020 612 0100 | 48.00 | /CY | | | | | | | | | | | | | | | | |
| | Steel's Weight | | | | | | | | | | | | | | | | | | | | |
| | Transport Cost Steel | | | | | | | | | | | | | | | | | | | | |
| | Disposal Cost Steel | | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | | \$161 |
| | No. 2 Truck Dump | | | | | | | | | | | | | | | | | | | | |
| | Structure's Demo. Cost | Steel Building | 020 604 0012 | 0.21 | /CF | 200 | 30 | 1 | | | | | | | | | | 6000 | CF | \$1,260 | |
| | Rubble's Vol. (excl scrap) | | | | | | | | | | | | | | | | 0.01 | 2 | CY | | |
| | Rubble's Weight (excl. scrap) | | | | | | | | | | | | | | | | | | | | |
| | Transport Cost Non-Scrap | | | | | | | | | | | | | | | | | | | | |
| | Disposal Cost Non-Scrap | Bld. Materials | 020 612 0100 | 48.00 | /CY | | | | | | | | | | | | | 2 | CY | \$96 | |
| | Steel's Weight | | | | | | | | | | | | | | | | | | | | |
| | Transport Cost Steel | | | | | | | | | | | | | | | | | | | | |
| | Disposal Cost Steel | | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | | \$1,356 |
| | Floor's Demolition Cost | Custom Concrete Demolition | CustConDemo | 28.00 | /CY | 30 | 40 | 1 | | | | | | | | | | | 44 | CY | \$1,232 |
| | Floor's Site Factor | | | | | | | | | | | | | | | | | | | | |
| | Floor's Rein. Factor | | | | | | | | | | | | | | | | | 1.3 | | | |
| | Floor's Volume (Diminished) | | | | | | | | | | | | | | | | | | 57 | CY | |
| | Floor's Transport Cost | | | | | | | | | | | | | | | | | | 57 | CY | \$373 |
| | Floor's Disposal Fee | On Site Disposal | 020 554 5550 | 6.55 | /CY | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | | \$1,605 |
| | Total | | | | | | | | | | | | | | | | | | | | \$4,401 |

| MAP REF. | DESCRIPTION | MATERIALS | MEANS REFERENCE NUMBER | UNIT COST | UNIT | LENGH | WIDTH | HEIGHT | DIA. | AREA | VOL. | WEIGH | DEN. | TIME | # | UNIT | SWELL FACTOR | QUANTITY | UNIT | COST | |
|----------|-------------------------------|----------------------------|------------------------|-----------|------|-------|-------|--------|------|------|------|-------|------|------|---|------|--------------|----------|------|---------|-------|
| | No. 2 Truck Dump | | | | | | | | | | | | | | | | | | | | |
| | Rubble's Vol. (excl scrap) | Steel Building | 020 604 0012 | 0.21 | /CF | 16 | 16 | 22 | | | | | | | | Ft. | | 5632 | CF | \$1,183 | |
| | Structure's Vol. Demolished | | | | | | | | | | | | | | | | 0.01 | 2 | CY | | |
| | Rubble's Weight (excl. scrap) | | | | | | | | | | | | | | | | | | | | |
| | Transport Cost Non-Scrap | | | | | | | | | | | | | | | | | | | | |
| | Disposal Cost Non-Scrap | Bld. Materials | 020 612 0100 | 48 | /CY | | | | | | | | | | | | | 2 | CY | \$96 | |
| | Steel's Weight | | | | | | | | | | | | | | | | | | | | |
| | Transport Cost Steel | | | | | | | | | | | | | | | | | | | | |
| | Disposal Cost Steel | | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | \$1,279 | |
| | Equipment's Demolition Cost | | | | | | | | | | | | | | | | | | | | |
| | Dismantle Cost | | | | | | | | | | | | | | | | | | | | |
| | Transport Cost | | | | | | | | | | | | | | | | | | | | |
| | Disposal Cost | | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | | |
| | Floor's Demolition Cost | Custom Concrete Demolition | CustConDemo | 28.00 | CY | 120 | 8 | 1 | | | | | | | | FT | | 36 | CY | \$1,008 | |
| | Floor's Site Factor | | | | | | | | | | | | | | | | | | | | |
| | Floor's Rein. Factor | | | | | | | | | | | | | | | | | | | | |
| | Floor's Volume (Dimolished) | | | | | | | | | | | | | | | | 1.3 | 47 | CY | | |
| | Floor's Transport Cost | | | | | | | | | | | | | | | | | | | | |
| | Floor's Disposal Fee | On Site Disposal | On Site Dispos | 6.55 | /CY | | | | | | | | | | | | | | 47 | CY | \$308 |
| | Subtotal | | | | | | | | | | | | | | | | | | | \$1,316 | |
| | Foundation's Demo. Cost | | | | | | | | | | | | | | | | | | | | |
| | Site Factor | | | | | | | | | | | | | | | | | | | | |
| | Horizontal Rein. Factor | | | | | | | | | | | | | | | | | | | | |
| | Vertical Rein. Factor | | | | | | | | | | | | | | | | | | | | |
| | Volume (Dimolished) | | | | | | | | | | | | | | | | | | | | |
| | Transport Cost | | | | | | | | | | | | | | | | | | | | |
| | Disposal Cost | | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | \$96 | |
| | Footer's Demo. Cost | | | | | | | | | | | | | | | | | | | | |
| | Site Factor | | | | | | | | | | | | | | | | | | | | |
| | Rein. Factor | | | | | | | | | | | | | | | | | | | | |
| | Volume (Dimolished) | | | | | | | | | | | | | | | | | | | | |
| | Transport Cost | | | | | | | | | | | | | | | | | | | | |
| | Disposal Cost | | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | | |
| | Total | | | | | | | | | | | | | | | | | | | \$2,685 | |

| MAP REF. | DESCRIPTION | MATERIALS | MEANS REFERENCE NUMBER | UNIT COST | UNIT | LENGH | WIDTH | HEIGHT | DIA. | AREA | VOL. | WEIGH | DEN. | TIME | # | UNIT | SWELL FACTOR | QUANTITY | UNIT | COST |
|----------|-------------------------------------|----------------------------|------------------------|-----------|------|-------|-------|--------|------|------|------|-------|------|------|---|------|--------------|----------|------|---------|
| | No. 3 Truck Dump | | | | | | | | | | | | | | | | | | | |
| | Structure's Demo. Cost | Steel Building | 020 604 0012 | 0.21 | /CF | 14 | 14 | 20 | | | | | | | | | | 3920 | CF | \$823 |
| | Rubble's Vol. (excl. scrap) | | | | | | | | | | | | | | | | 0.01 | 1 | CY | |
| | Rubble's Weight (excl. scrap) | | | | | | | | | | | | | | | | | | | |
| | Transport Cost Non-Scrap | | | | | | | | | | | | | | | | | 1 | CY | \$48 |
| | Disposal Cost Non-Scrap | Bld. Materials | 020 612 0100 | 48.00 | /CY | | | | | | | | | | | | | | | |
| | Steel's Weight | | | | | | | | | | | | | | | | | | | |
| | Transport Cost Steel | | | | | | | | | | | | | | | | | | | |
| | Disposal Cost Steel | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | \$671 |
| | Equipment's Demolition Cost | | | | | | | | | | | | | | | | | | | |
| | Equipment's Volume | | | | | | | | | | | | | | | | | | | |
| | Equipment's Transport Cost | | | | | | | | | | | | | | | | | | | |
| | Equipment's Disposal Cost | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | |
| | Floor's Demolition Cost | Custom Concrete Demolition | CustConDemo | 28.00 | CY | 20 | 20 | 1 | | | | | | | | | | 15 | CY | \$420 |
| | Floor's Site Factor | | | | | | | | | | | | | | | | | | | |
| | Floor's Rein. Factor | | | | | | | | | | | | | | | | | 1.3 | 20 | CY |
| | Floor's Volume (Dimolished) | | | | | | | | | | | | | | | | | | | |
| | Floor's Transport Cost | | | | | | | | | | | | | | | | | | 20 | CY |
| | Floor's Disposal Fee | On Site Disposal | 020 554 5550 | 6.55 | /CY | | | | | | | | | | | | | | | \$131 |
| | Subtotal | | | | | | | | | | | | | | | | | | | \$551 |
| | Concrete Wall's Demolition C | | | | | | | | | | | | | | | | | | | |
| | Concrete Wall's Site Factor | | | | | | | | | | | | | | | | | | | |
| | Concrete Wall's Rein. Factor | | | | | | | | | | | | | | | | | | | |
| | Concrete Wall's Volume (Dimolished) | | | | | | | | | | | | | | | | | | | |
| | Concrete Wall's Transport Co | | | | | | | | | | | | | | | | | | | |
| | Concrete Wall's Disposal Cost | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | |
| | Footer's Demo. Cost | | | | | | | | | | | | | | | | | | | |
| | Site Factor | | | | | | | | | | | | | | | | | | | |
| | Rein. Factor | | | | | | | | | | | | | | | | | | | |
| | Volume (Dimolished) | | | | | | | | | | | | | | | | | | | |
| | Transport Cost | | | | | | | | | | | | | | | | | | | |
| | Disposal Cost | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | |
| | Total | | | | | | | | | | | | | | | | | | | \$1,422 |

| MAP REF. | DESCRIPTION | MATERIALS | MEANS REFERENCE NUMBER | UNIT COST | UNIT | LENGH | WIDTH | HEIGHT | DIA. | AREA | VOL. | WEIGH | DEN. | TIME | # | UNIT | SWELL FACTOR | QUANTITY | UNIT | COST | |
|----------|-------------------------------|----------------------------|------------------------|-----------|------|-------|-------|--------|------|------|------|-------|------|------|---|------|--------------|----------|------|---------|------|
| | No. 4 Truck Dump | | | | | | | | | | | | | | | | | | | | |
| | Structure's Demo. Cost | Steel Building | 020 604 0012 | 0.21 | /CF | 16 | 16 | 20 | | | | | | | | Fl. | 0.01 | 5120 | CF | \$1,075 | |
| | Rubble's Vol. (excl scrap) | | | | | | | | | | | | | | | | | 2 | CY | | |
| | Rubble's Weight (excl. scrap) | | | | | | | | | | | | | | | | | | | | |
| | Transport Cost Non-Scrap | | | | | | | | | | | | | | | | | | 2 | CY | \$96 |
| | Disposal Cost Non-Scrap | Bld. Materials | 020 612 0100 | 48.00 | /CY | | | | | | | | | | | | | | | | |
| | Steel's Weight | | | | | | | | | | | | | | | | | | | | |
| | Transport Cost Steel | | | | | | | | | | | | | | | | | | | | |
| | Disposal Cost Steel | | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | \$1,171 | |
| | Equipment's Demolition Cost | | | | | | | | | | | | | | | | | | | | |
| | Dismatle Cost | | | | | | | | | | | | | | | | | | | | |
| | Transport Cost | | | | | | | | | | | | | | | | | | | | |
| | Disposal Cost | | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | | |
| | Floor's Demolition Cost | Custom Concrete Demolition | CustConDemo | 28.00 | /CY | 48 | 4 | 2 | | | | | | | | FT | | 14 | CY | \$392 | |
| | Floor's Site Factor | | | | | | | | | | | | | | | | | | | | |
| | Floor's Rein. Factor | | | | | | | | | | | | | | | | | 1.3 | 18 | CY | |
| | Floor's Volume (Dimolished) | | | | | | | | | | | | | | | | | | | | |
| | Floor's Transport Cost | | | | | | | | | | | | | | | | | | 18 | CY | |
| | Floor's Disposal Fee | On Site Disposal | 020 554 5550 | 6.55 | /CY | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | \$510 | |
| | Foundation's Demo. Cost | | | | | | | | | | | | | | | | | | | | |
| | Site Factor | | | | | | | | | | | | | | | | | | | | |
| | Horizontal Rein. Factor | | | | | | | | | | | | | | | | | | | | |
| | Vertical Rein. Factor | | | | | | | | | | | | | | | | | | | | |
| | Volume (Dimolished) | | | | | | | | | | | | | | | | | | | | |
| | Transport Cost | | | | | | | | | | | | | | | | | | | | |
| | Disposal Cost | | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | | |
| | Footer's Demo. Cost | | | | | | | | | | | | | | | | | | | | |
| | Site Factor | | | | | | | | | | | | | | | | | | | | |
| | Rein. Factor | | | | | | | | | | | | | | | | | | | | |
| | Volume (Dimolished) | | | | | | | | | | | | | | | | | | | | |
| | Transport Cost | | | | | | | | | | | | | | | | | | | | |
| | Disposal Cost | | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | | |
| | Total | | | | | | | | | | | | | | | | | | | \$3,684 | |

| MAP REF. | DESCRIPTION | MATERIALS | MEANS REFERENCE NUMBER | UNIT COST | UNIT | LENGH | WIDTH | HEIGHT | DIA. | AREA | VOL. | WEIGH | DEN. | TIME | # | UNIT | SWELL FACTOR | QUANTITY | UNIT | COST | |
|----------|-------------------------------|----------------------------|------------------------|-----------|------|-------|-------|--------|------|------|------|-------|------|------|---|------|--------------|----------|------|-------|-------|
| | No. 5 Truck Dump (Port.) | | | | | | | | | | | | | | | | | | | | |
| | Structure's Demo. Cost | Steel Building | 020 604 0012 | 0.21 | /CF | 30 | 14 | 8 | | | | | | | | | | 3360 | CF | \$706 | |
| | Rubble's Vol. (excl. scrap) | | | | | | | | | | | | | | | | 0.01 | 1 | CY | | |
| | Rubble's Weight (excl. scrap) | | | | | | | | | | | | | | | | | | | | |
| | Transport Cost Non-Scrap | | | | | | | | | | | | | | | | | | | | |
| | Disposal Cost Non-Scrap | Bld. Materials | 020 612 0100 | 48.00 | /CY | | | | | | | | | | | | | 1 | CY | \$48 | |
| | Steel's Weight | | | | | | | | | | | | | | | | | | | | |
| | Transport Cost Steel | | | | | | | | | | | | | | | | | | | | |
| | Disposal Cost Steel | | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | \$754 | |
| | Equipment's Demolition Cost | | | | | | | | | | | | | | | | | | | | |
| | Dismantle Cost | | | | | | | | | | | | | | | | | | | | |
| | Transport Cost | | | | | | | | | | | | | | | | | | | | |
| | Disposal Cost | | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | | |
| | Floor's Demolition Cost | Custom Concrete Demolition | CustConDemo | 28.00 | CY | 10 | 15 | 1 | | | | | | | | | | | 6 | CY | \$168 |
| | Floor's Site Factor | | | | | | | | | | | | | | | | | | | | |
| | Floor's Rein. Factor | | | | | | | | | | | | | | | | | | | | |
| | Floor's Volume (Diminished) | | | | | | | | | | | | | | | | | 1.3 | 8 | CY | |
| | Floor's Transport Cost | | | | | | | | | | | | | | | | | | | | |
| | Floor's Disposal Fee | On Site Disposal | 020 554 5550 | 6.55 | /CY | | | | | | | | | | | | | | 8 | CY | \$52 |
| | Subtotal | | | | | | | | | | | | | | | | | | | \$220 | |
| | Foundation's Demo. Cost | | | | | | | | | | | | | | | | | | | | |
| | Site Factor | | | | | | | | | | | | | | | | | | | | |
| | Horizontal Rein. Factor | | | | | | | | | | | | | | | | | | | | |
| | Vertical Rein. Factor | | | | | | | | | | | | | | | | | | | | |
| | Volume (Diminished) | | | | | | | | | | | | | | | | | | | | |
| | Transport Cost | | | | | | | | | | | | | | | | | | | | |
| | Disposal Cost | | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | | |
| | Footer's Demo. Cost | | | | | | | | | | | | | | | | | | | | |
| | Site Factor | | | | | | | | | | | | | | | | | | | | |
| | Rein. Factor | | | | | | | | | | | | | | | | | | | | |
| | Volume (Diminished) | | | | | | | | | | | | | | | | | | | | |
| | Transport Cost | | | | | | | | | | | | | | | | | | | | |
| | Disposal Cost | | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | | |
| | Total | | | | | | | | | | | | | | | | | | | \$974 | |

| MAP REF. | DESCRIPTION | MATERIALS | MEANS REFERENCE NUMBER | UNIT COST | UNIT | LENGH | WIDTH | HEIGHT | DIA. | AREA | VOL. | WEIGH | DEN. | TIME | # | UNIT | SWELL FACTOR | QUANTITY | UNIT | COST | | |
|----------|-------------------------------|----------------------------|------------------------|-----------|------|-------|-------|--------|------|------|------|-------|------|------|---|------|--------------|----------|------|---------|---------|-----|
| | 48inch Conveyor | | | | | | | | | | | | | | | | | | | | | |
| | Structure's Demo. Cost | Steel Building | 020 604 0012 | \$0.21 | /CF | 1500 | 7 | 4 | | | | | | | | | | 42000 | CF | \$8,820 | | |
| | Rubble's Vol. (excl scrap) | | | | | | | | | | | | | | | | | 0.01 | 16 | CY | | |
| | Rubble's Weight (excl. scrap) | | | | | | | | | | | | | | | | | | | | | |
| | Transport Cost Non-Scrap | | | | | | | | | | | | | | | | | | | | | |
| | Disposal Cost Non-Scrap | Bld. Materials | 020 612 0100 | \$48.00 | /CY | | | | | | | | | | | | | | 16 | CY | \$768 | |
| | Steel's Weight | | | | | | | | | | | | | | | | | | | | | |
| | Transport Cost Steel | | | | | | | | | | | | | | | | | | | | | |
| | Disposal Cost Steel | | | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | | \$9,588 | |
| | Equipment's Demolition Cost | | | | | | | | | | | | | | | | | | | | | |
| | Dismatle Cost | | | | | | | | | | | | | | | | | | | | | |
| | Transport Cost | | | | | | | | | | | | | | | | | | | | | |
| | Disposal Cost | | | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | | | |
| | Floor's Demolition Cost | Custom Concrete Demolition | CustConDemo | \$28.00 | /CY | 0 | 0 | 0 | | | | | | | | | | | 0 | CY | \$0 | |
| | Floor's Site Factor | | | | | | | | | | | | | | | | | | | | | |
| | Floor's Rein. Factor | | | | | | | | | | | | | | | | | | | | | |
| | Floor's Volume (Dimolished) | | | | | | | | | | | | | | | | | | 1.3 | 0 | CY | |
| | Floor's Transport Cost | | | | | | | | | | | | | | | | | | | | | |
| | Floor's Disposal Fee | On Site Disposal | 020 554 5550 | \$6.55 | /CY | | | | | | | | | | | | | | | 0 | CY | \$0 |
| | Subtotal | | | | | | | | | | | | | | | | | | | | | |
| | Foundation's Demo. Cost | | | | | | | | | | | | | | | | | | | | | |
| | Site Factor | | | | | | | | | | | | | | | | | | | | | |
| | Horizontal Rein. Factor | | | | | | | | | | | | | | | | | | | | | |
| | Vertical Rein. Factor | | | | | | | | | | | | | | | | | | | | | |
| | Volume (Dimolished) | | | | | | | | | | | | | | | | | | | | | |
| | Transport Cost | | | | | | | | | | | | | | | | | | | | | |
| | Disposal Cost | | | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | | | |
| | Footer's Demo. Cost | | | | | | | | | | | | | | | | | | | | | |
| | Site Factor | | | | | | | | | | | | | | | | | | | | | |
| | Rein. Factor | | | | | | | | | | | | | | | | | | | | | |
| | Volume (Dimolished) | | | | | | | | | | | | | | | | | | | | | |
| | Transport Cost | | | | | | | | | | | | | | | | | | | | | |
| | Disposal Cost | | | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | | | |
| | Total | | | | | | | | | | | | | | | | | | | | \$9,588 | |

| MAP REF. | DESCRIPTION | MATERIALS | MEANS REFERENCE NUMBER | UNIT COST | UNIT | LENGH | WIDTH | HEIGHT | DIA. | AREA | VOL. | WEIGH | DEN. | TIME | # | UNIT | SWELL FACTOR | QUANTITY | UNIT | COST | | |
|----------|-------------------------------|----------------------------|------------------------|-----------|------|-------|-------|--------|------|------|------|-------|------|------|---|------|--------------|----------|------|---------|---------|-----|
| | No. 4 Radial Stacker | | | | | | | | | | | | | | | | | | | | | |
| | Structure's Demo. Cost | Steel Building | 020 604 0012 | \$0.21 | /CF | 200 | 8 | 8 | | | | | | | | Fl. | | 12800 | CF | \$2,688 | | |
| | Rubble's Vol. (excl. scrap) | | | | | | | | | | | | | | | | 0.01 | 5 | CY | | | |
| | Rubble's Weight (excl. scrap) | | | | | | | | | | | | | | | | | | | | | |
| | Transport Cost Non-Scrap | | | | | | | | | | | | | | | | | | 5 | CY | \$240 | |
| | Disposal Cost Non-Scrap | Bld. Materials | 020 612 0100 | \$48.00 | /CY | | | | | | | | | | | | | | | | | |
| | Steel's Weight | | | | | | | | | | | | | | | | | | | | | |
| | Transport Cost Steel | | | | | | | | | | | | | | | | | | | | | |
| | Disposal Cost Steel | | | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | | \$2,928 | |
| | Equipment's Demolition Cost | | | | | | | | | | | | | | | | | | | | | |
| | Dismantle Cost | | | | | | | | | | | | | | | | | | | | | |
| | Transport Cost | | | | | | | | | | | | | | | | | | | | | |
| | Disposal Cost | | | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | | | |
| | Floor's Demolition Cost | Custom Concrete Demolition | CustConDemo | \$28.00 | CY | 0 | 0 | 0 | | | | | | | | FT | | 0 | CY | \$0 | | |
| | Floor's Site Factor | | | | | | | | | | | | | | | | | | | | | |
| | Floor's Rein. Factor | | | | | | | | | | | | | | | | | 1.3 | 0 | CY | | |
| | Floor's Volume (Dimolished) | | | | | | | | | | | | | | | | | | | | | |
| | Floor's Transport Cost | | | | | | | | | | | | | | | | | | | 0 | CY | \$0 |
| | Floor's Disposal Fee | On Site Disposal | 020 554 5550 | \$6.55 | /CY | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | | | |
| | Foundation's Demo. Cost | | | | | | | | | | | | | | | | | | | | | |
| | Site Factor | | | | | | | | | | | | | | | | | | | | | |
| | Horizontal Rein. Factor | | | | | | | | | | | | | | | | | | | | | |
| | Vertical Rein. Factor | | | | | | | | | | | | | | | | | | | | | |
| | Volume (Dimolished) | | | | | | | | | | | | | | | | | | | | | |
| | Transport Cost | | | | | | | | | | | | | | | | | | | | | |
| | Disposal Cost | | | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | | | |
| | Footer's Demo. Cost | | | | | | | | | | | | | | | | | | | | | |
| | Site Factor | | | | | | | | | | | | | | | | | | | | | |
| | Rein. Factor | | | | | | | | | | | | | | | | | | | | | |
| | Volume (Dimolished) | | | | | | | | | | | | | | | | | | | | | |
| | Transport Cost | | | | | | | | | | | | | | | | | | | | | |
| | Disposal Cost | | | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | | | |
| | Total | | | | | | | | | | | | | | | | | | | | \$2,928 | |

| MAP REF. | DESCRIPTION | MATERIALS | MEANS REFERENCE NUMBER | UNIT COST | UNIT | LENGH | WIDTH | HEIGHT | DIA. | AREA | VOL. | WEIGH | DEN. | TIME | # | UNIT | SWELL FACTOR | QUANTITY | UNIT | COST | |
|----------|-------------------------------|----------------------------|------------------------|-----------|------|-------|-------|--------|------|------|------|-------|------|------|---|------|--------------|----------|------|-------|-------|
| | No. 5 Radial Stacker | | | | | | | | | | | | | | | | | | | | |
| | Structure's Demo. Cost | Steel Building | 020 604 0012 | \$0.21 | /CF | 100 | 6 | 6 | | | | | | | | Fl. | | 3600 | CF | \$756 | |
| | Rubble's Vol. (excl. scrap) | | | | | | | | | | | | | | | | 0.01 | 1 | CY | | |
| | Rubble's Weight (excl. scrap) | | | | | | | | | | | | | | | | | | | | |
| | Transport Cost Non-Scrap | | | | | | | | | | | | | | | | | | 1 | CY | \$48 |
| | Disposal Cost Non-Scrap | Bld. Materials | 020 612 0100 | \$48.00 | /CY | | | | | | | | | | | | | | | | |
| | Steel's Weight | | | | | | | | | | | | | | | | | | | | |
| | Transport Cost Steel | | | | | | | | | | | | | | | | | | | | |
| | Disposal Cost Steel | | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | | |
| | Equipment's Demolition Cost | | | | | | | | | | | | | | | | | | | | |
| | Dismatle Cost | | | | | | | | | | | | | | | | | | | | |
| | Transport Cost | | | | | | | | | | | | | | | | | | | | |
| | Disposal Cost | | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | | |
| | Floor's Demolition Cost | Custom Concrete Demolition | CustConDemo | \$28.00 | CY | 0 | 0 | 0 | | | | | | | | FT | | 0 | CY | \$0 | |
| | Floor's Site Factor | | | | | | | | | | | | | | | | | | | | |
| | Floor's Rein. Factor | | | | | | | | | | | | | | | | | 1.3 | 0 | CY | |
| | Floor's Volume (Dimolished) | | | | | | | | | | | | | | | | | | | | |
| | Floor's Transport Cost | | | | | | | | | | | | | | | | | | 0 | CY | \$0 |
| | Floor's Disposal Fee | On Site Disposal | 020 554 5550 | \$6.55 | /CY | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | | |
| | Foundation's Demo. Cost | | | | | | | | | | | | | | | | | | | | |
| | Site Factor | | | | | | | | | | | | | | | | | | | | |
| | Horizontal Rein. Factor | | | | | | | | | | | | | | | | | | | | |
| | Vertical Rein. Factor | | | | | | | | | | | | | | | | | | | | |
| | Volume (Dimolished) | | | | | | | | | | | | | | | | | | | | |
| | Transport Cost | | | | | | | | | | | | | | | | | | | | |
| | Disposal Cost | | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | | |
| | Footer's Demo. Cost | | | | | | | | | | | | | | | | | | | | |
| | Site Factor | | | | | | | | | | | | | | | | | | | | |
| | Rein. Factor | | | | | | | | | | | | | | | | | | | | |
| | Volume (Dimolished) | | | | | | | | | | | | | | | | | | | | |
| | Transport Cost | | | | | | | | | | | | | | | | | | | | |
| | Disposal Cost | | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | | |
| | Total | | | | | | | | | | | | | | | | | | | | \$604 |

| MAP REF. | DESCRIPTION | MATERIALS | MEANS REFERENCE NUMBER | UNIT COST | UNIT | LENGH | WIDTH | HEIGHT | DIA. | AREA | VOL. | WEIGH | DEN. | TIME | # | UNIT | SWELL FACTOR | QUANTITY | UNIT | COST | |
|----------|-------------------------------|----------------------------|------------------------|-----------|------|-------|-------|--------|------|------|------|-------|------|------|---|-------|--------------|----------|------|---------|---------|
| | Conveyor Piers | | | | | | | | | | | | | | | | | | | | |
| | Structure's Demo. Cost | Steel Building | 020 604 0012 | \$0.21 | /CF | 0 | 0 | 0 | | | | | | | | FL | | 0 | CF | \$0 | |
| | Rubble's Vol. (excl. scrap) | | | | | | | | | | | | | | | | 0.01 | 0 | CY | | |
| | Rubble's Weight (excl. scrap) | | | | | | | | | | | | | | | | | | | | |
| | Transport Cost Non-Scrap | | | | | | | | | | | | | | | | | | 0 | CY | \$0 |
| | Disposal Cost Non-Scrap | Bld. Materials | 020 612 0100 | \$48.00 | /CY | | | | | | | | | | | | | | | | |
| | Steel's Weight | | | | | | | | | | | | | | | | | | | | |
| | Transport Cost Steel | | | | | | | | | | | | | | | | | | | | |
| | Disposal Cost Steel | | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | | \$0 |
| | Equipment's Demolition Cost | | | | | | | | | | | | | | | | | | | | |
| | Dismatle Cost | | | | | | | | | | | | | | | | | | | | |
| | Transport Cost | | | | | | | | | | | | | | | | | | | | |
| | Disposal Cost | | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | | |
| | Floor's Demolition Cost | Custom Concrete Demolition | CustConDemo | \$28.00 | /CY | 3 | 3 | 6 | | | | | | | | 40 FT | | 80 | CY | \$2,240 | |
| | Floor's Site Factor | | | | | | | | | | | | | | | | | | | | |
| | Floor's Rein. Factor | | | | | | | | | | | | | | | | | 1.3 | 104 | CY | |
| | Floor's Volume (Dimolished) | | | | | | | | | | | | | | | | | | | | |
| | Floor's Transport Cost | | | | | | | | | | | | | | | | | | 104 | CY | \$681 |
| | Floor's Disposal Fee | On Site Disposal | 020 554 5550 | \$6.55 | /CY | | | | | | | | | | | | | | | | \$681 |
| | Subtotal | | | | | | | | | | | | | | | | | | | | \$2,921 |
| | Foundation's Demo. Cost | | | | | | | | | | | | | | | | | | | | |
| | Site Factor | | | | | | | | | | | | | | | | | | | | |
| | Horizontal Rein. Factor | | | | | | | | | | | | | | | | | | | | |
| | Vertical Rein. Factor | | | | | | | | | | | | | | | | | | | | |
| | Volume (Dimolished) | | | | | | | | | | | | | | | | | | | | |
| | Transport Cost | | | | | | | | | | | | | | | | | | | | |
| | Disposal Cost | | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | | |
| | Footer's Demo. Cost | | | | | | | | | | | | | | | | | | | | |
| | Site Factor | | | | | | | | | | | | | | | | | | | | |
| | Rein. Factor | | | | | | | | | | | | | | | | | | | | |
| | Volume (Dimolished) | | | | | | | | | | | | | | | | | | | | |
| | Transport Cost | | | | | | | | | | | | | | | | | | | | |
| | Disposal Cost | | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | | |
| | Total | | | | | | | | | | | | | | | | | | | | \$2,921 |

| MAP REF. | DESCRIPTION | MATERIALS | MEANS REFERENCE NUMBER | UNIT COST | UNIT | LENGH | WIDTH | HEIGHT | DIA. | AREA | VOL. | WEIGH | DEN. | TIME | # | UNIT | SWELL FACTOR | QUANTITY | UNIT | COST |
|----------|-------------------------------|----------------------------|------------------------|-----------|------|-------|-------|--------|------|------|-------|-------|------|------|---|------|--------------|----------|------|---------|
| | Water Tank | | | | | | | | | | | | | | | | | | | |
| | Structure's Demo. Cost | Steel Building | 020 604 0012 | \$0.21 | /CF | | | | | | 21390 | | | | | CF | 0.01 | 21390 | CF | \$4,492 |
| | Rubble's Vol. (excl scrap) | | | | | | | | | | | | | | | | | 8 | CY | |
| | Rubble's Weight (excl. scrap) | | | | | | | | | | | | | | | | | | | |
| | Transport Cost Non-Scrap | | | | | | | | | | | | | | | | | 8 | CY | \$384 |
| | Disposal Cost Non-Scrap | Bld. Materials | 020 612 0100 | \$48.00 | /CY | | | | | | | | | | | | | | | |
| | Steel's Weight | | | | | | | | | | | | | | | | | | | |
| | Transport Cost Steel | | | | | | | | | | | | | | | | | | | |
| | Disposal Cost Steel | | | | | | | | | | | | | | | | | | | \$4,876 |
| | Subtotal | | | | | | | | | | | | | | | | | | | |
| | Equipment's Demolition Cost | | | | | | | | | | | | | | | | | | | |
| | Dismatle Cost | | | | | | | | | | | | | | | | | | | |
| | Transport Cost | | | | | | | | | | | | | | | | | | | |
| | Disposal Cost | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | |
| | Floor's Demolition Cost | Custom Concrete Demolition | CustConDemo | \$28.00 | /CY | | | | | | 90 | | | | | CY | | 90 | CY | \$2,520 |
| | Floor's Site Factor | | | | | | | | | | | | | | | | | | | |
| | Floor's Rein. Factor | | | | | | | | | | | | | | | | | 1.3 | 117 | CY |
| | Floor's Volume (Dimolished) | | | | | | | | | | | | | | | | | | | |
| | Floor's Transport Cost | | | | | | | | | | | | | | | | | | 117 | CY |
| | Floor's Disposal Fee | On Site Disposal | 020 554 5550 | \$6.55 | /CY | | | | | | | | | | | | | | | \$766 |
| | Subtotal | | | | | | | | | | | | | | | | | | | \$3,286 |
| | Foundation's Demo. Cost | | | | | | | | | | | | | | | | | | | |
| | Site Factor | | | | | | | | | | | | | | | | | | | |
| | Horizontal Rein. Factor | | | | | | | | | | | | | | | | | | | |
| | Vertical Rein. Factor | | | | | | | | | | | | | | | | | | | |
| | Volume (Dimolished) | | | | | | | | | | | | | | | | | | | |
| | Transport Cost | | | | | | | | | | | | | | | | | | | |
| | Disposal Cost | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | |
| | Footer's Demo. Cost | | | | | | | | | | | | | | | | | | | |
| | Site Factor | | | | | | | | | | | | | | | | | | | |
| | Rein. Factor | | | | | | | | | | | | | | | | | | | |
| | Volume (Dimolished) | | | | | | | | | | | | | | | | | | | |
| | Transport Cost | | | | | | | | | | | | | | | | | | | |
| | Disposal Cost | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | |
| | Total | | | | | | | | | | | | | | | | | | | \$5,182 |

| MAP REF. | DESCRIPTION | MATERIALS | MEANS REFERENCE NUMBER | UNIT COST | UNIT | LENGH | WIDTH | HEIGHT | DIA. | AREA | VOL. | WEIGH | DEN. | TIME | # | UNIT | SWELL FACTOR | QUANTITY | UNIT | COST | |
|----------|-------------------------------|----------------|------------------------|-----------|------|-------|-------|--------|------|------|------|-------|------|------|---|-------|--------------|----------|------|----------|----------|
| | Reclaim Tunnel (Corr. Steel) | | | | | | | | | | | | | | | | | | | | |
| | Structure's Demo. Cost | Steel Building | 020 604 0012 | 0.21 | /CF | 1040 | 14 | 8 | | | | | | | | | | 116480 | CF | \$24,461 | |
| | Rubble's Vol. (excl scrap) | | | | | | | | | | | | | | | | 0.01 | 43 | CY | | |
| | Rubble's Weight (excl. scrap) | | | | | | | | | | | | | | | | | | | | |
| | Transport Cost Non-Scrap | | | | | | | | | | | | | | | | | | 43 | CY | \$2,064 |
| | Disposal Cost Non-Scrap | Bld. Materials | 020 612 0100 | 48 | /CY | | | | | | | | | | | | | | | | |
| | Steel's Weight | | | | | | | | | | | | | | | | | | | | |
| | Transport Cost Steel | | | | | | | | | | | | | | | | | | | | |
| | Disposal Cost Steel | | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | | \$26,526 |
| | Escape Tunnel | | | | | | | | | | | | | | | | | | | | |
| | Structure's Demo. Cost | Steel Building | 020 604 0012 | 0.21 | /CF | | | 160 | 4 | | | | | | | | | 2011 | CF | \$422 | |
| | Rubble's Vol. (excl scrap) | | | | | | | | | | | | | | | | 0.01 | 1 | CY | | |
| | Rubble's Weight (excl. scrap) | | | | | | | | | | | | | | | | | | | | |
| | Transport Cost Non-Scrap | | | | | | | | | | | | | | | | | | 1 | CY | \$48 |
| | Disposal Cost Non-Scrap | Bld. Materials | 020 612 0100 | 48 | /CY | | | | | | | | | | | | | | | | |
| | Steel's Weight | | | | | | | | | | | | | | | | | | | | |
| | Transport Cost Steel | | | | | | | | | | | | | | | | | | | | |
| | Disposal Cost Steel | | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | | \$470 |
| | Fan | | | | | | | | | | | | | | | | | | | | |
| | Structure's Demo. Cost | Steel Building | 020 604 0012 | 0.21 | /CF | 4 | 4 | 4 | | | | | | | | 2 Ft. | | 128 | CF | \$27 | |
| | Rubble's Vol. (excl scrap) | | | | | | | | | | | | | | | | 0.01 | 0 | CY | | |
| | Rubble's Weight (excl. scrap) | | | | | | | | | | | | | | | | | | | | |
| | Transport Cost Non-Scrap | | | | | | | | | | | | | | | | | | 0 | CY | \$0 |
| | Disposal Cost Non-Scrap | Bld. Materials | 020 612 0100 | 48 | /CY | | | | | | | | | | | | | | | | |
| | Steel's Weight | | | | | | | | | | | | | | | | | | | | |
| | Transport Cost Steel | | | | | | | | | | | | | | | | | | | | |
| | Disposal Cost Steel | | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | | \$27 |
| | Fan House | | | | | | | | | | | | | | | | | | | | |
| | Structure's Demo. Cost | Steel Building | 020 604 0012 | 0.21 | /CF | 8 | 8 | 8 | | | | | | | | | | 512 | CF | \$108 | |
| | Rubble's Vol. (excl scrap) | | | | | | | | | | | | | | | | 0.01 | 0 | CY | | |
| | Rubble's Weight (excl. scrap) | | | | | | | | | | | | | | | | | | | | |
| | Transport Cost Non-Scrap | | | | | | | | | | | | | | | | | | 0 | CY | \$0 |
| | Disposal Cost Non-Scrap | Bld. Materials | 020 612 0100 | 48 | /CY | | | | | | | | | | | | | | | | |
| | Steel's Weight | | | | | | | | | | | | | | | | | | | | |
| | Transport Cost Steel | | | | | | | | | | | | | | | | | | | | |
| | Disposal Cost Steel | | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | | \$108 |
| | Total | | | | | | | | | | | | | | | | | | | | \$27,750 |

| MAP REF. | DESCRIPTION | MATERIALS | MEANS REFERENCE NUMBER | UNIT COST | UNIT | LENGH | WIDTH | HEIGHT | DIA. | AREA | VOL. | WEIGH | DEN. | TIME | # | UNIT | SWELL FACTOR | QUANTITY | UNIT | COST | |
|----------|-------------------------------|-----------------------|------------------------|-----------|------|-------|-------|--------|------|------|------|-------|------|------|---|------|--------------|----------|------|-------|-------|
| | Portable Hopper | | | | | | | | | | | | | | | | | | | | |
| | Structure's Demo. Cost | Steel Building | 020 604 0012 | 0.21 | /CF | 20 | 12 | 14 | | | | | | | | | | 3360 | CF | \$706 | |
| | Rubble's Vol. (excl. scrap) | | | | | | | | | | | | | | | | | 0.01 | 1 | CY | |
| | Rubble's Weight (excl. scrap) | | | | | | | | | | | | | | | | | | | | |
| | Transport Cost Non-Scrap | | | | | | | | | | | | | | | | | | 1 | CY | \$48 |
| | Disposal Cost Non-Scrap | Bld. Materials | 020 612 0100 | 48.00 | /CY | | | | | | | | | | | | | | | | |
| | Steel's Weight | | | | | | | | | | | | | | | | | | | | |
| | Transport Cost Steel | | | | | | | | | | | | | | | | | | | | |
| | Disposal Cost Steel | | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | | |
| | Equipment's Demolition Cost | | | | | | | | | | | | | | | | | | | | |
| | Dismantle Cost | | | | | | | | | | | | | | | | | | | | |
| | Transport Cost | | | | | | | | | | | | | | | | | | | | |
| | Disposal Cost | | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | | |
| | Pad's Demo. Cost | Concrete 7- 24" Rein. | 118.00 | 118.00 | /CY | 0 | 0 | 0 | | | | | | | | | | | 0 | CY | \$0 |
| | Site Factor | | | | | | | | | | | | | | | | | | | | |
| | Reinforcement Factor | | | | | | | | | | | | | | | | | | 1.3 | 0 | CY |
| | Volume (Diminished) | | | | | | | | | | | | | | | | | | | | |
| | Transport Cost | | | | | | | | | | | | | | | | | | | 0 | CY |
| | Disposal Fee | On Site Disposal | 6.55 | 6.55 | /CY | | | | | | | | | | | | | | | | \$0 |
| | Subtotal | | | | | | | | | | | | | | | | | | | | |
| | Foundation's Demo. Cost | | | | | | | | | | | | | | | | | | | | |
| | Site Factor | | | | | | | | | | | | | | | | | | | | |
| | Horizontal Rein. Factor | | | | | | | | | | | | | | | | | | | | |
| | Vertical Rein. Factor | | | | | | | | | | | | | | | | | | | | |
| | Volume (Diminished) | | | | | | | | | | | | | | | | | | | | |
| | Transport Cost | | | | | | | | | | | | | | | | | | | | |
| | Disposal Cost | | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | | |
| | Footer's Demo. Cost | | | | | | | | | | | | | | | | | | | | |
| | Site Factor | | | | | | | | | | | | | | | | | | | | |
| | Rein. Factor | | | | | | | | | | | | | | | | | | | | |
| | Volume (Diminished) | | | | | | | | | | | | | | | | | | | | |
| | Transport Cost | | | | | | | | | | | | | | | | | | | | |
| | Disposal Cost | | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | | |
| | Total | | | | | | | | | | | | | | | | | | | | \$754 |

| MAP REF. | DESCRIPTION | MATERIALS | MEANS REFERENCE NUMBER | UNIT COST | UNIT | LENGH | WIDTH | HEIGHT | DIA. | AREA | VOL. | WEIGH | DEN. | TIME | # | UNIT | SWELL FACTOR | QUANTITY | UNIT | COST | |
|----------|-------------------------------|--------------------------|------------------------|-----------|------|-------|-------|--------|------|------|------|-------|------|------|---|------|--------------|----------|------|---------|---------|
| | Trailer | | | | | | | | | | | | | | | | | | | | |
| | Structure's Demo. Cost | Mixture of type Building | 020 604 0100 | 0.23 | /CF | 30 | 8 | 8 | | | | | | | | | | 1920 | CF | \$442 | |
| | Rubble's Vol. (excl. scrap) | | | | | | | | | | | | | | | | 0.35 | 25 | CY | | |
| | Rubble's Weight (excl. scrap) | | | | | | | | | | | | | | | | | | | | |
| | Transport Cost Non-Scrap | | | | | | | | | | | | | | | | | 25 | CY | \$1,200 | |
| | Disposal Cost Non-Scrap | Bld. Materials | 020 612 0100 | 48.00 | /CY | | | | | | | | | | | | | | | | |
| | Steel's Weight | | | | | | | | | | | | | | | | | | | | |
| | Transport Cost Steel | | | | | | | | | | | | | | | | | | | | |
| | Disposal Cost Steel | | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | | \$1,642 |
| | Equipment's Demolition Cost | | | | | | | | | | | | | | | | | | | | |
| | Dismatle Cost | | | | | | | | | | | | | | | | | | | | |
| | Transport Cost | | | | | | | | | | | | | | | | | | | | |
| | Disposal Cost | | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | | |
| | Pad's Demo. Cost | | | | | | | | | | | | | | | | | | | | |
| | Site Factor | | | | | | | | | | | | | | | | | | | | |
| | Reinforcement Factor | | | | | | | | | | | | | | | | | | | | |
| | Volume (Dimolished) | | | | | | | | | | | | | | | | | | | | |
| | Transport Cost | | | | | | | | | | | | | | | | | | | | |
| | Disposal Fee | | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | | |
| | Foundation's Demo. Cost | | | | | | | | | | | | | | | | | | | | |
| | Site Factor | | | | | | | | | | | | | | | | | | | | |
| | Horizontal Rein. Factor | | | | | | | | | | | | | | | | | | | | |
| | Vertical Rein. Factor | | | | | | | | | | | | | | | | | | | | |
| | Volume (Dimolished) | | | | | | | | | | | | | | | | | | | | |
| | Transport Cost | | | | | | | | | | | | | | | | | | | | |
| | Disposal Cost | | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | | |
| | Footer's Demo. Cost | | | | | | | | | | | | | | | | | | | | |
| | Site Factor | | | | | | | | | | | | | | | | | | | | |
| | Rein. Factor | | | | | | | | | | | | | | | | | | | | |
| | Volume (Dimolished) | | | | | | | | | | | | | | | | | | | | |
| | Transport Cost | | | | | | | | | | | | | | | | | | | | |
| | Disposal Cost | | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | | |
| | Total | | | | | | | | | | | | | | | | | | | | \$1,642 |

| MAP REF. | DESCRIPTION | MATERIALS | MEANS REFERENCE NUMBER | UNIT COST | UNIT | LENGH | WIDTH | HEIGHT | DIA. | AREA | VOL. | WEIGH | DEN. | TIME | # | UNIT | SWELL FACTOR | QUANTITY | UNIT | COST | |
|----------|-------------------------------|----------------------------|------------------------|-----------|------|-------|-------|--------|------|------|------|-------|------|------|---|------|--------------|----------|------|---------|---------|
| | Transfer Bin | | | | | | | | | | | | | | | | | | | | |
| | Structure's Demo. Cost | Steel Building | 020 604 0012 | 0.21 | /CF | | | 30 | 16 | | | | | | | | | 6032 | CF | \$1,267 | |
| | Rubble's Vol. (excl. scrap) | | | | | | | | | | | | | | | | | 0.01 | 2 | CY | |
| | Rubble's Weight (excl. scrap) | | | | | | | | | | | | | | | | | | | | |
| | Transport Cost Non-Scrap | | | | | | | | | | | | | | | | | | 2 | CY | \$96 |
| | Disposal Cost Non-Scrap | Bld. Materials | 020 612 0100 | 48 | /CY | | | | | | | | | | | | | | | | |
| | Steel's Weight | | | | | | | | | | | | | | | | | | | | |
| | Transport Cost Steel | | | | | | | | | | | | | | | | | | | | |
| | Disposal Cost Steel | | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | | \$1,363 |
| | Equipment's Demolition Cost | | | | | | | | | | | | | | | | | | | | |
| | Dismantle Cost | | | | | | | | | | | | | | | | | | | | |
| | Transport Cost | | | | | | | | | | | | | | | | | | | | |
| | Disposal Cost | | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | | |
| | Pad's Demo. Cost | Custom Concrete Demolition | CustConDemo | 28 | /CY | 20 | 20 | 1 | | | | | | | | | | | 15 | CY | \$420 |
| | Site Factor | | | | | | | | | | | | | | | | | | | | |
| | Reinforcement Factor | | | | | | | | | | | | | | | | | 1.3 | 20 | CY | |
| | Volume (Diminished) | | | | | | | | | | | | | | | | | | | | |
| | Transport Cost | | | | | | | | | | | | | | | | | | 20 | CY | \$131 |
| | Disposal Fee | On Site Disposal | 020 554 5550 | 6.55 | /CY | | | | | | | | | | | | | | | | \$561 |
| | Subtotal | | | | | | | | | | | | | | | | | | | | |
| | Foundation's Demo. Cost | | | | | | | | | | | | | | | | | | | | |
| | Site Factor | | | | | | | | | | | | | | | | | | | | |
| | Horizontal Rein. Factor | | | | | | | | | | | | | | | | | | | | |
| | Vertical Rein. Factor | | | | | | | | | | | | | | | | | | | | |
| | Volume (Diminished) | | | | | | | | | | | | | | | | | | | | |
| | Transport Cost | | | | | | | | | | | | | | | | | | | | |
| | Disposal Cost | | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | | |
| | Footer's Demo. Cost | | | | | | | | | | | | | | | | | | | | |
| | Site Factor | | | | | | | | | | | | | | | | | | | | |
| | Rein. Factor | | | | | | | | | | | | | | | | | | | | |
| | Volume (Diminished) | | | | | | | | | | | | | | | | | | | | |
| | Transport Cost | | | | | | | | | | | | | | | | | | | | |
| | Disposal Cost | | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | | |
| | Total | | | | | | | | | | | | | | | | | | | | \$1,914 |

| MAP REF. | DESCRIPTION | MATERIALS | MEANS REFERENCE NUMBER | UNIT COST | UNIT | LENGH | WIDTH | HEIGHT | DIA. | AREA | VOL. | WEIGH | DEN. | TIME | # | UNIT | SWELL FACTOR | QUANTITY | UNIT | COST | |
|----------|-------------------------------|----------------------------|------------------------|-----------|------|-------|-------|--------|------|------|------|-------|------|------|---|------|--------------|----------|------|-----------|-----------|
| | Preparation Plant | | | | | | | | | | | | | | | | | | | | |
| | Structure's Demo. Cost | Steel Building | 020 604 0012 | 0.21 | /CF | 110 | 80 | 80 | | | | | | | | Fl. | | 704000 | CF | \$147,840 | |
| | Rubble's Vol. (excl scrap) | | | | | | | | | | | | | | | | 0.01 | 261 | CY | | |
| | Rubble's Weight (excl. scrap) | | | | | | | | | | | | | | | | | | | | |
| | Transport Cost Non-Scrap | | | | | | | | | | | | | | | | | | | | |
| | Disposal Cost Non-Scrap | Bld. Materials | 020 612 0100 | 48 | /CY | | | | | | | | | | | | | 261 | CY | \$12,528 | |
| | Steel's Weight | | | | | | | | | | | | | | | | | | | | |
| | Transport Cost Steel | | | | | | | | | | | | | | | | | | | | |
| | Disposal Cost Steel | | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | | \$160,368 |
| | Equipment's Demolition Cost | | | | | | | | | | | | | | | | | | | | |
| | Dismantle Cost | | | | | | | | | | | | | | | | | | | | |
| | Transport Cost | | | | | | | | | | | | | | | | | | | | |
| | Disposal Cost | | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | | |
| | Concrete | Custom Concrete Demolition | CustConDemo | 28 | CY | 110 | 80 | 1 | | | | | | | | FT | | 326 | CY | \$9,128 | |
| | Site Factor | | | | | | | | | | | | | | | | | | | | |
| | Reinforcement Factor | | | | | | | | | | | | | | | | | | | | |
| | Volume (Dimolished) | | | | | | | | | | | | | | | | 1.3 | 424 | CY | | |
| | Transport Cost | | | | | | | | | | | | | | | | | | | | |
| | Disposal Fee | On Site Disposal | 020 554 5550 | 6.55 | /CY | | | | | | | | | | | | | 424 | CY | \$2,777 | |
| | Subtotal | | | | | | | | | | | | | | | | | | | | \$17,905 |
| | Pad's Demo. Cost | Custom Concrete Demolition | CustConDemo | 28 | CY | | | | | | | 75 | | | | CY | | 75 | CY | \$2,100 | |
| | Site Factor | | | | | | | | | | | | | | | | | | | | |
| | Reinforcement Factor | | | | | | | | | | | | | | | | | | | | |
| | Volume (Dimolished) | | | | | | | | | | | | | | | | 1.3 | 98 | CY | | |
| | Transport Cost | | | | | | | | | | | | | | | | | | | | |
| | Disposal Fee | On Site Disposal | 020 554 5550 | 6.55 | /CY | | | | | | | | | | | | | 98 | CY | \$642 | |
| | Subtotal | | | | | | | | | | | | | | | | | | | | \$2,742 |
| | Footer's Demo. Cost | | | | | | | | | | | | | | | | | | | | |
| | Site Factor | | | | | | | | | | | | | | | | | | | | |
| | Rein. Factor | | | | | | | | | | | | | | | | | | | | |
| | Volume (Dimolished) | | | | | | | | | | | | | | | | | | | | |
| | Transport Cost | | | | | | | | | | | | | | | | | | | | |
| | Disposal Cost | | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | | |
| | Total | | | | | | | | | | | | | | | | | | | | \$176,016 |

| MAP REF. | DESCRIPTION | MATERIALS | MEANS REFERENCE NUMBER | UNIT COST | UNIT | LENGH | WIDTH | HEIGHT | DIA. | AREA | VOL. | WEIGH | DEN. | TIME | # | UNIT | SWELL FACTOR | QUANTITY | UNIT | COST | |
|----------|-------------------------------|----------------------------|------------------------|-----------|------|-------|-------|--------|------|------|------|-------|------|------|---|------|--------------|----------|------|------|---------|
| | | | | | | | | | | | | | | | | | | | | | |
| | Substation | | | | | | | | | | | | | | | | | | | | |
| | Structure's Demo. Cost | Steel Building | 020 604 0012 | 0.21 | /CF | 20 | 27 | 8 | | | | | | | | | | 0.4 | 4320 | CF | \$907 |
| | Rubble's Vol. (excl. scrap) | | | | | | | | | | | | | | | | | | 64 | CY | |
| | Rubble's Weight (excl. scrap) | | | | | | | | | | | | | | | | | | | | |
| | Transport Cost Non-Scrap | | | | | | | | | | | | | | | | | | | | |
| | Disposal Cost Non-Scrap | Bld. Materials | 020 612 0100 | 48 | /CY | | | | | | | | | | | | | | 64 | CY | \$3,072 |
| | Steel's Weight | | | | | | | | | | | | | | | | | | | | |
| | Transport Cost Steel | | | | | | | | | | | | | | | | | | | | |
| | Disposal Cost Steel | | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | | \$3,979 |
| | Transformers | 75 KVA | 020 708 1520 | 267 | Ea. | | | | | | | | | | | 2 | Ea. | | 2 | Ea. | \$534 |
| | Fence | Chain Link 8' to 10' high | 020 554 0700 | 2.39 | /LF | 180 | | | | | | | | | | | | | 180 | Ft. | \$430 |
| | Transport Cost | | | | | | | | | | | | | | | | | | | | |
| | Disposal Cost | | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | | \$964 |
| | Concrete | Custom Concrete Demolition | CustConDemo | 28 | CY | 20 | 27 | 0.5 | | | | | | | | | | | 10 | CY | \$280 |
| | Site Factor | | | | | | | | | | | | | | | | | | | | |
| | Reinforcement Factor | | | | | | | | | | | | | | | | | 1.3 | | 13 | CY |
| | Volume (Diminished) | | | | | | | | | | | | | | | | | | | | |
| | Transport Cost | | | | | | | | | | | | | | | | | | | | |
| | Disposal Fee | On Site Disposal | 020 554 5550 | 6.55 | /CY | | | | | | | | | | | | | | 13 | CY | \$85 |
| | Subtotal | | | | | | | | | | | | | | | | | | | | \$362 |
| | Pad's Demo. Cost | | | | | | | | | | | | | | | | | | | | |
| | Site Factor | | | | | | | | | | | | | | | | | | | | |
| | Reinforcement Factor | | | | | | | | | | | | | | | | | | | | |
| | Volume (Diminished) | | | | | | | | | | | | | | | | | | | | |
| | Transport Cost | | | | | | | | | | | | | | | | | | | | |
| | Disposal Fee | | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | | |
| | Footer's Demo. Cost | | | | | | | | | | | | | | | | | | | | |
| | Site Factor | | | | | | | | | | | | | | | | | | | | |
| | Rein. Factor | | | | | | | | | | | | | | | | | | | | |
| | Volume (Diminished) | | | | | | | | | | | | | | | | | | | | |
| | Transport Cost | | | | | | | | | | | | | | | | | | | | |
| | Disposal Cost | | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | | |
| | Total | | | | | | | | | | | | | | | | | | | | \$5,908 |

| MAP REF. | DESCRIPTION | MATERIALS | MEANS REFERENCE NUMBER | UNIT COST | UNIT | LENGH | WIDTH | HEIGHT | DIA. | AREA | VOL. | WEIGH | DEN. | TIME | # | UNIT | SWELL FACTOR | QUANTITY | UNIT | COST |
|----------|-------------------------------|-----------------------------|------------------------|-----------|------|-------|-------|--------|------|------|------|-------|------|------|---|-------|--------------|----------|------|---------|
| | Fuel Storage | | | | | | | | | | | | | | | | | | | |
| | Trunks | | | | | | | | | | | | | | | | | | | |
| | Structure's Demo. Cost | 3000 gal. to 5000 gal. tank | 020 880 0110 | 465 | Ea. | | | | | | | | | | | 2 Ea. | | 2 | Ea. | \$930 |
| | Rubble's Vol. (excl. scrap) | | | | | | | | | | | | | | | | 0.01 | 0 | CY | |
| | Rubble's Weight (excl. scrap) | | | | | | | | | | | | | | | | | | | |
| | Transport Cost Non-Scrap | | | | | | | | | | | | | | | | | | | |
| | Disposal Cost Non-Scrap | Bld. Materials | 020 612 0100 | 48 | /CY | | | | | | | | | | | | | 0 | CY | \$0 |
| | Steel's Weight | | | | | | | | | | | | | | | | | | | |
| | Transport Cost Steel | | | | | | | | | | | | | | | | | | | |
| | Disposal Cost Steel | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | \$930 |
| | Trailer | | | | | | | | | | | | | | | | | | | |
| | Structure's Demo. Cost | Mixture of type Building | 020 604 0100 | 0.23 | /CF | 10 | 50 | 8 | | | | | | | | FL | | 4000 | CF | \$920 |
| | Rubble's Vol. (excl. scrap) | | | | | | | | | | | | | | | | | 1 | CY | |
| | Rubble's Weight (excl. scrap) | | | | | | | | | | | | | | | | | | | |
| | Transport Cost Non-Scrap | | | | | | | | | | | | | | | | | | | |
| | Disposal Cost Non-Scrap | Bld. Materials | 020 612 0100 | 48 | /CY | | | | | | | | | | | | | 1 | CY | \$48 |
| | Steel's Weight | | | | | | | | | | | | | | | | | | | |
| | Transport Cost Steel | | | | | | | | | | | | | | | | | | | |
| | Disposal Cost Steel | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | \$2,928 |
| | Concrete Wall | Custom Concrete Demolition | CustConDemo | 28 | CY | 30 | 30 | 0.68 | | | | | | | | 4 FT | | 91 | CY | \$2,548 |
| | Site Factor | | | | | | | | | | | | | | | | | | | |
| | Reinforcement Factor | | | | | | | | | | | | | | | | | | | |
| | Volume (Diminished) | | | | | | | | | | | | | | | | 1.3 | 118 | CY | |
| | Transport Cost | | | | | | | | | | | | | | | | | | | |
| | Disposal Fee | On Site Disposal | 020 554 5550 | 6.55 | /CY | | | | | | | | | | | | | 118 | CY | \$773 |
| | Subtotal | | | | | | | | | | | | | | | | | | | \$3,321 |
| | Concrete Floor | Custom Concrete Demolition | CustConDemo | 28 | CY | 30 | 30 | 0.5 | | | | | | | | FT | | 17 | CY | \$476 |
| | Site Factor | | | | | | | | | | | | | | | | | | | |
| | Reinforcement Factor | | | | | | | | | | | | | | | | | | | |
| | Volume (Diminished) | | | | | | | | | | | | | | | | 1.3 | 22 | CY | |
| | Transport Cost | | | | | | | | | | | | | | | | | | | |
| | Disposal Fee | On Site Disposal | 020 554 5550 | 6.55 | /CY | | | | | | | | | | | | | 22 | CY | \$144 |
| | Subtotal | | | | | | | | | | | | | | | | | | | \$820 |
| | Total | | | | | | | | | | | | | | | | | | | \$6,759 |

| MAP REF. | DESCRIPTION | MATERIALS | MEANS REFERENCE NUMBER | UNIT COST | UNIT | LENGH | WIDTH | HEIGHT | DIA. | AREA | VOL. | WEIGH | DEN. | TIME | # | UNIT | SWELL FACTOR | QUANTITY | UNIT | COST | |
|----------|-------------------------------|----------------------------|------------------------|-----------|------|-------|-------|--------|------|------|------|-------|------|------|---|------|--------------|----------|------|-------|---------|
| | Reclaim Control Bld. | | | | | | | | | | | | | | | | | | | | |
| | Structure's Demo. Cost | Steel Building | 020 604 0012 | 0.21 | /CF | 22 | 16 | 12 | | | | | | | | Ft. | | 4224 | CF | \$887 | |
| | Rubble's Vol. (excl scrap) | | | | | | | | | | | | | | | | 0.01 | 2 | CY | | |
| | Rubble's Weight (excl. scrap) | | | | | | | | | | | | | | | | | | | | |
| | Transport Cost Non-Scrap | | | | | | | | | | | | | | | | | | 2 | CY | \$96 |
| | Disposal Cost Non-Scrap | Bld. Materials | 020 612 0100 | 48 | /CY | | | | | | | | | | | | | | | | |
| | Steel's Weight | | | | | | | | | | | | | | | | | | | | |
| | Transport Cost Steel | | | | | | | | | | | | | | | | | | | | |
| | Disposal Cost Steel | | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | \$983 | |
| | Equipment's Demolition Cost | | | | | | | | | | | | | | | | | | | | |
| | Dismantle Cost | | | | | | | | | | | | | | | | | | | | |
| | Transport Cost | | | | | | | | | | | | | | | | | | | | |
| | Disposal Cost | | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | | |
| | Pad's Demo. Cost | Custom Concrete Demolition | CustConDemo | 28 | CY | 22 | 22 | 0.5 | | | | | | | | FT | | 9 | CY | \$252 | |
| | Site Factor | | | | | | | | | | | | | | | | | | | | |
| | Reinforcement Factor | | | | | | | | | | | | | | | | | 1.3 | 12 | CY | |
| | Volume (Diminished) | | | | | | | | | | | | | | | | | | | | |
| | Transport Cost | | | | | | | | | | | | | | | | | | 12 | CY | \$79 |
| | Disposal Fee | On Site Disposal | 020 554 5550 | 6.55 | /CY | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | | |
| | Foundation's Demo. Cost | | | | | | | | | | | | | | | | | | | | |
| | Site Factor | | | | | | | | | | | | | | | | | | | | |
| | Horizontal Rein. Factor | | | | | | | | | | | | | | | | | | | | |
| | Vertical Rein. Factor | | | | | | | | | | | | | | | | | | | | |
| | Volume (Diminished) | | | | | | | | | | | | | | | | | | | | |
| | Transport Cost | | | | | | | | | | | | | | | | | | | | |
| | Disposal Cost | | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | | |
| | Footer's Demo. Cost | | | | | | | | | | | | | | | | | | | | |
| | Site Factor | | | | | | | | | | | | | | | | | | | | |
| | Rein. Factor | | | | | | | | | | | | | | | | | | | | |
| | Volume (Diminished) | | | | | | | | | | | | | | | | | | | | |
| | Transport Cost | | | | | | | | | | | | | | | | | | | | |
| | Disposal Cost | | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | | |
| | Total | | | | | | | | | | | | | | | | | | | | \$1,314 |

| MAP REF. | DESCRIPTION | MATERIALS | MEANS REFERENCE NUMBER | UNIT COST | UNIT | LENGH | WIDTH | HEIGHT | DIA. | AREA | VOL. | WEIGH | DEN. | TIME | # | UNIT | SWELL FACTOR | QUANTITY | UNIT | COST | |
|----------|-------------------------------|----------------------------|------------------------|-----------|------|-------|-------|--------|------|------|------|-------|------|------|---|------|--------------|----------|------|---------|-------|
| | Sample House | | | | | | | | | | | | | | | | | | | | |
| | Structure's Demo. Cost | Steel Building | 020 604 0012 | 0.21 | /CF | 22 | 22 | 30 | | | | | | | | | | 14520 | CF | \$3,049 | |
| | Rubble's Vol. (excl scrap) | | | | | | | | | | | | | | | | | 5 | CY | | |
| | Rubble's Weight (excl. scrap) | | | | | | | | | | | | | | | | | | | | |
| | Transport Cost Non-Scrap | | | | | | | | | | | | | | | | | 5 | CY | \$240 | |
| | Disposal Cost Non-Scrap | Bld. Materials | 020 612 0100 | 48 | /CY | | | | | | | | | | | | | | | | |
| | Steel's Weight | | | | | | | | | | | | | | | | | | | | |
| | Transport Cost Steel | | | | | | | | | | | | | | | | | | | | |
| | Disposal Cost Steel | | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | | |
| | Equipment's Demolition Cost | | | | | | | | | | | | | | | | | | | | |
| | Dismantle Cost | | | | | | | | | | | | | | | | | | | | |
| | Transport Cost | | | | | | | | | | | | | | | | | | | | |
| | Disposal Cost | | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | | |
| | Pad's Demo. Cost | Custom Concrete Demolition | CustConDemo | 28 | CY | 22 | 22 | 0.5 | | | | | | | | | | | 9 | CY | \$252 |
| | Site Factor | | | | | | | | | | | | | | | | | 1.3 | | | |
| | Reinforcement Factor | | | | | | | | | | | | | | | | | | 12 | CY | |
| | Volume (Diminished) | | | | | | | | | | | | | | | | | | 12 | CY | |
| | Transport Cost | | | | | | | | | | | | | | | | | | | | |
| | Disposal Fee | On Site Disposal | 020 554 5550 | 6.55 | /CY | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | | |
| | Foundation's Demo. Cost | | | | | | | | | | | | | | | | | | | | |
| | Site Factor | | | | | | | | | | | | | | | | | | | | |
| | Horizontal Rein. Factor | | | | | | | | | | | | | | | | | | | | |
| | Vertical Rein. Factor | | | | | | | | | | | | | | | | | | | | |
| | Volume (Diminished) | | | | | | | | | | | | | | | | | | | | |
| | Transport Cost | | | | | | | | | | | | | | | | | | | | |
| | Disposal Cost | | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | | |
| | Footer's Demo. Cost | | | | | | | | | | | | | | | | | | | | |
| | Site Factor | | | | | | | | | | | | | | | | | | | | |
| | Rein. Factor | | | | | | | | | | | | | | | | | | | | |
| | Volume (Diminished) | | | | | | | | | | | | | | | | | | | | |
| | Transport Cost | | | | | | | | | | | | | | | | | | | | |
| | Disposal Cost | | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | | |
| | Total | | | | | | | | | | | | | | | | | | | | |

| MAP REF. | DESCRIPTION | MATERIALS | MEANS REFERENCE NUMBER | UNIT COST | UNIT | LENGH | WIDTH | HEIGHT | DIA. | AREA | VOL. | WEIGH | DEN. | TIME | # | UNIT | SWELL FACTOR | QUANTITY | UNIT | COST | |
|----------|-------------------------------|----------------------------|------------------------|-----------|------|-------|-------|--------|------|------|------|-------|------|------|---|-------|--------------|----------|------|----------|----------|
| | Stacking Tube | | | | | | | | | | | | | | | | | | | | |
| | Structure's Demo. Cost | Concrete Building | 020 604 0050 | 0.31 | /CF | | | 200 | 20 | | | | | | | 4 Ft. | | 62832 | CF | \$19,478 | |
| | Rubble's Vol. (excl scrap) | | | | | | | | | | | | | | | | 0.01 | 23 | CY | | |
| | Rubble's Weight (excl. scrap) | | | | | | | | | | | | | | | | | | | | |
| | Transport Cost Non-Scrap | | | | | | | | | | | | | | | | | | 23 | CY | \$1,104 |
| | Disposal Cost Non-Scrap | Bld. Materials | 020 612 0100 | 48 | /CY | | | | | | | | | | | | | | | | |
| | Steel's Weight | | | | | | | | | | | | | | | | | | | | |
| | Transport Cost Steel | | | | | | | | | | | | | | | | | | | | |
| | Disposal Cost Steel | | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | \$20,582 | |
| | Equipment's Demolition Cost | | | | | | | | | | | | | | | | | | | | |
| | Dismantle Cost | | | | | | | | | | | | | | | | | | | | |
| | Transport Cost | | | | | | | | | | | | | | | | | | | | |
| | Disposal Cost | | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | | |
| | Pad's Demo. Cost | Custom Concrete Demolition | CustConDemo | 28 | CY | | | | | 186 | | | | | | 4 CY | | 744 | CY | \$20,832 | |
| | Site Factor | | | | | | | | | | | | | | | | | | | | |
| | Reinforcement Factor | | | | | | | | | | | | | | | | | 1.3 | 967 | CY | |
| | Volume (Diminished) | | | | | | | | | | | | | | | | | | | | |
| | Transport Cost | | | | | | | | | | | | | | | | | | 967 | CY | \$6,334 |
| | Disposal Fee | On Site Disposal | 020 554 5550 | 6.55 | /CY | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | \$27,166 | |
| | Foundation's Demo. Cost | | | | | | | | | | | | | | | | | | | | |
| | Site Factor | | | | | | | | | | | | | | | | | | | | |
| | Horizontal Rein. Factor | | | | | | | | | | | | | | | | | | | | |
| | Vertical Rein. Factor | | | | | | | | | | | | | | | | | | | | |
| | Volume (Diminished) | | | | | | | | | | | | | | | | | | | | |
| | Transport Cost | | | | | | | | | | | | | | | | | | | | |
| | Disposal Cost | | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | | |
| | Footer's Demo. Cost | | | | | | | | | | | | | | | | | | | | |
| | Site Factor | | | | | | | | | | | | | | | | | | | | |
| | Rein. Factor | | | | | | | | | | | | | | | | | | | | |
| | Volume (Diminished) | | | | | | | | | | | | | | | | | | | | |
| | Transport Cost | | | | | | | | | | | | | | | | | | | | |
| | Disposal Cost | | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | | |
| | Total | | | | | | | | | | | | | | | | | | | | \$47,748 |

| MAP REF. | DESCRIPTION | MATERIALS | MEANS REFERENCE NUMBER | UNIT COST | UNIT | LENGH | WIDTH | HEIGHT | DIA. | AREA | VOL. | WEIGH | DEN. | TIME | # | UNIT | SWELL FACTOR | QUANTITY | UNIT | COST |
|----------|-------------------------------|----------------------------|------------------------|-----------|------|-------|-------|--------|------|------|------|-------|------|------|---|-------|--------------|----------|------|-----------|
| | Loadout Silo | | | | | | | | 200 | 50 | | | | | | 1 Ft. | | 392699 | CF | \$121,737 |
| | Structure's Demo. Cost | Concrete Building | 020 604 0050 | 0.31 | /CF | | | | | | | | | | | | 0.01 | 145 | CY | |
| | Rubble's Vol. (excl. scrap) | | | | | | | | | | | | | | | | | | | |
| | Rubble's Weight (excl. scrap) | | | | | | | | | | | | | | | | | | | |
| | Transport Cost Non-Scrap | | | | | | | | | | | | | | | | | 145 | CY | \$6,960 |
| | Disposal Cost Non-Scrap | Bld. Materials | 020 612 0100 | 48 | /CY | | | | | | | | | | | | | | | |
| | Steel's Weight | | | | | | | | | | | | | | | | | | | |
| | Transport Cost Steel | | | | | | | | | | | | | | | | | | | |
| | Disposal Cost Steel | | | | | | | | | | | | | | | | | | | \$123,697 |
| | Subtotal | | | | | | | | | | | | | | | | | | | |
| | Equipment's Demolition Cost | | | | | | | | | | | | | | | | | | | |
| | Dismatle Cost | | | | | | | | | | | | | | | | | | | |
| | Transport Cost | | | | | | | | | | | | | | | | | | | |
| | Disposal Cost | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | |
| | Pad's Demo. Cost | Custom Concrete Demolition | CustConDemo | 28 | CY | | | | | 2327 | | | | | | 1 CY | | 2327 | CY | \$65,156 |
| | Site Factor | | | | | | | | | | | | | | | | | 1.3 | 3025 | CY |
| | Reinforcement Factor | | | | | | | | | | | | | | | | | | | |
| | Volume (Dimolished) | | | | | | | | | | | | | | | | | | | |
| | Transport Cost | | | | | | | | | | | | | | | | | | | |
| | Disposal Fee | On Site Disposal | 020 554 5550 | 6.55 | /CY | | | | | | | | | | | | | | | \$19,814 |
| | Subtotal | | | | | | | | | | | | | | | | | | | \$34,970 |
| | Foundation's Demo. Cost | | | | | | | | | | | | | | | | | | | |
| | Site Factor | | | | | | | | | | | | | | | | | | | |
| | Horizontal Rein. Factor | | | | | | | | | | | | | | | | | | | |
| | Vertical Rein. Factor | | | | | | | | | | | | | | | | | | | |
| | Volume (Dimolished) | | | | | | | | | | | | | | | | | | | |
| | Transport Cost | | | | | | | | | | | | | | | | | | | |
| | Disposal Cost | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | |
| | Footer's Demo. Cost | | | | | | | | | | | | | | | | | | | |
| | Site Factor | | | | | | | | | | | | | | | | | | | |
| | Rein. Factor | | | | | | | | | | | | | | | | | | | |
| | Volume (Dimolished) | | | | | | | | | | | | | | | | | | | |
| | Transport Cost | | | | | | | | | | | | | | | | | | | |
| | Disposal Cost | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | \$213,667 |
| | Total | | | | | | | | | | | | | | | | | | | |

Demolition

Savage Coal Terminal 005/022

| MAP REF. | DESCRIPTION | MATERIALS | MEANS REFERENCE NUMBER | UNIT COST | UNIT | LENGH | WIDTH | HEIGHT | DIA. | AREA | VOL. | WEIGH | DEN. | TIME | # | UNIT | SWELL FACTOR | QUANTITY | UNIT | COST | |
|----------|-------------------------------|----------------|------------------------|-----------|------|-------|-------|--------|------|------|------|-------|------|------|---|------|--------------|----------|------|-----------|-----------|
| | Railroad | | | | | | | | | | | | | | | | | | | | |
| | Structure's Demo. Cost | | | | | | | | | | | | | | | | | | | | |
| | Rubble's Vol. (excl scrap) | | | | | | | | | | | | | | | | | | | | |
| | Rubble's Weight (excl. scrap) | | | | | | | | | | | | | | | | | | | | |
| | Transport Cost Non-Scrap | | | | | | | | | | | | | | | | | | | | |
| | Disposal Cost Non-Scrap | | | | | | | | | | | | | | | | | | | | |
| | Steel's Weight | | | | | | | | | | | | | | | | | | | | |
| | Transport Cost Steel | | | | | | | | | | | | | | | | | | | | |
| | Disposal Cost Steel | | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | LF | | 8100 | LF | \$137,295 | |
| | Equipment's Demolition Cost | Railroad Track | 020 554 3500 | 16.95 | LF | 8100 | | | | | | | | | | | | | | | |
| | Dismantle Cost | | | | | | | | | | | | | | | | | | | | |
| | Transport Cost | | | | | | | | | | | | | | | | | | | | \$137,295 |
| | Disposal Cost | | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | | |
| | Floor's Demolition Cost | | | | | | | | | | | | | | | | | | | | |
| | Floor's Site Factor | | | | | | | | | | | | | | | | | | | | |
| | Floor's Rein. Factor | | | | | | | | | | | | | | | | | | | | |
| | Floor's Volume (Dimolished) | | | | | | | | | | | | | | | | | | | | |
| | Floor's Transport Cost | | | | | | | | | | | | | | | | | | | | |
| | Floor's Disposal Fee | | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | | |
| | Foundation's Demo. Cost | | | | | | | | | | | | | | | | | | | | |
| | Site Factor | | | | | | | | | | | | | | | | | | | | |
| | Horizontal Rein. Factor | | | | | | | | | | | | | | | | | | | | |
| | Vertical Rein. Factor | | | | | | | | | | | | | | | | | | | | |
| | Volume (Dimolished) | | | | | | | | | | | | | | | | | | | | |
| | Transport Cost | | | | | | | | | | | | | | | | | | | | |
| | Disposal Cost | | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | | |
| | Footer's Demo. Cost | | | | | | | | | | | | | | | | | | | | |
| | Site Factor | | | | | | | | | | | | | | | | | | | | |
| | Rein. Factor | | | | | | | | | | | | | | | | | | | | |
| | Volume (Dimolished) | | | | | | | | | | | | | | | | | | | | |
| | Transport Cost | | | | | | | | | | | | | | | | | | | | |
| | Disposal Cost | | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | | \$137,295 |
| | Total | | | | | | | | | | | | | | | | | | | | |

Demolition

Savage Coal Terminal 005/022

| MAP REF. | DESCRIPTION | MATERIALS | MEANS REFERENCE NUMBER | UNIT COST | UNIT | LENGH | WIDTH | HEIGHT | DIA. | AREA | VOL. | WEIGH | DEN. | TIME | # | UNIT | SWELL FACTOR | QUANTITY | UNIT | COST | |
|----------|-------------------------------|-----------|------------------------|-----------|--------|-------|-------|--------|------|------|------|-------|------|------|---|--------|--------------|----------|--------|------|---------|
| | Powerline | | | | | | | | | | | | | | | | | | | | |
| | Structure's Demo. Cost | | | | | | | | | | | | | | | | | | | | |
| | Rubble's Vol. (excl. scrap) | | | | | | | | | | | | | | | | | | | | |
| | Rubble's Weight (excl. scrap) | | | | | | | | | | | | | | | | | | | | |
| | Transport Cost Non-Scrap | | | | | | | | | | | | | | | | | | | | |
| | Disposal Cost Non-Scrap | | | | | | | | | | | | | | | | | | | | |
| | Steel's Weight | | | | | | | | | | | | | | | | | | | | |
| | Transport Cost Steel | | | | | | | | | | | | | | | | | | | | |
| | Disposal Cost Steel | | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | 25 EA. | | | 25 EA. | | \$2,500 |
| | Equipment's Demolition Cost | Powerpole | Hiawathab1 | | 100 EA | | | | | | | | | | | | | | | | |
| | Dismantle Cost | | | | | | | | | | | | | | | | | | | | |
| | Transport Cost | | | | | | | | | | | | | | | | | | | | \$2,500 |
| | Disposal Cost | | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | | |
| | Floor's Demolition Cost | | | | | | | | | | | | | | | | | | | | |
| | Floor's Site Factor | | | | | | | | | | | | | | | | | | | | |
| | Floor's Rein. Factor | | | | | | | | | | | | | | | | | | | | |
| | Floor's Volume (Dimolished) | | | | | | | | | | | | | | | | | | | | |
| | Floor's Transport Cost | | | | | | | | | | | | | | | | | | | | |
| | Floor's Disposal Fee | | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | | |
| | Foundation's Demo. Cost | | | | | | | | | | | | | | | | | | | | |
| | Site Factor | | | | | | | | | | | | | | | | | | | | |
| | Horizontal Rein. Factor | | | | | | | | | | | | | | | | | | | | |
| | Vertical Rein. Factor | | | | | | | | | | | | | | | | | | | | |
| | Volume (Dimolished) | | | | | | | | | | | | | | | | | | | | |
| | Transport Cost | | | | | | | | | | | | | | | | | | | | |
| | Disposal Cost | | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | | |
| | Footer's Demo. Cost | | | | | | | | | | | | | | | | | | | | |
| | Site Factor | | | | | | | | | | | | | | | | | | | | |
| | Rein. Factor | | | | | | | | | | | | | | | | | | | | |
| | Volume (Dimolished) | | | | | | | | | | | | | | | | | | | | |
| | Transport Cost | | | | | | | | | | | | | | | | | | | | |
| | Disposal Cost | | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | | \$2,500 |
| | Total | | | | | | | | | | | | | | | | | | | | |

| MAP REF. | DESCRIPTION | MATERIALS | MEANS REFERENCE NUMBER | UNIT COST | UNIT | LENGH | WIDTH | HEIGHT | DIA. | AREA | VOL. | WEIGH | DEN. | TIME | # | UNIT | SWELL FACTOR | QUANTITY | UNIT | COST | |
|----------|-------------------------------|----------------------------|------------------------|-----------|------|-------|-------|--------|------|------|------|-------|------|------|---|------|--------------|----------|-------|---------|---------|
| | Pumphouse | | | | | | | | | | | | | | | | | | | | |
| | Structure | | | | | | | | | | | | | | | | | | | | |
| | Structure's Demo. Cost | Mixture of type Building | 020 604 0100 | 0.23 | /CF | 40 | 26 | 10 | | | | | | | | | | 10400 | CF | \$2,392 | |
| | Rubble's Vol. (excl scrap) | | | | | | | | | | | | | | | | | 0.35 | 135 | CY | |
| | Rubble's Weight (excl. scrap) | | | | | | | | | | | | | | | | | | | | |
| | Transport Cost Non-Scrap | | | | | | | | | | | | | | | | | | 135 | CY | |
| | Disposal Cost Non-Scrap | Bld. Materials | 020 612 0100 | 48 | /CY | | | | | | | | | | | | | | | \$6,480 | |
| | Steel's Weight | | | | | | | | | | | | | | | | | | | | |
| | Transport Cost Steel | | | | | | | | | | | | | | | | | | | | |
| | Disposal Cost Steel | | | | | | | | | | | | | | | | | | | \$9,072 | |
| | Subtotal | | | | | | | | | | | | | | | | | | | | |
| | Pumphouse | | | | | | | | | | | | | | | | | | | | |
| | Structure | | | | | | | | | | | | | | | | | | | | |
| | Structure's Demo. Cost | Steel Building | 020 604 0012 | 0.21 | /CF | | | 8 | 12 | | | | | | | | | 0 | 905 | CF | \$190 |
| | Rubble's Vol. (excl scrap) | | | | | | | | | | | | | | | | | | 0 | CY | |
| | Rubble's Weight (excl. scrap) | | | | | | | | | | | | | | | | | | | | |
| | Transport Cost Non-Scrap | | | | | | | | | | | | | | | | | | 0 | CY | |
| | Disposal Cost Non-Scrap | Bld. Materials | 020 612 0100 | 48 | /CY | | | | | | | | | | | | | | | \$0 | |
| | Steel's Weight | | | | | | | | | | | | | | | | | | | | |
| | Transport Cost Steel | | | | | | | | | | | | | | | | | | | | |
| | Disposal Cost Steel | | | | | | | | | | | | | | | | | | | \$160 | |
| | Subtotal | | | | | | | | | | | | | | | | | | | | |
| | Pumphouse | | | | | | | | | | | | | | | | | | | | |
| | Structure | | | | | | | | | | | | | | | | | | | | |
| | Structure's Demo. Cost | Concrete Building | 020 604 0050 | 0.31 | /CF | | | 30 | 21 | | | | | | | | | 0.01 | 10391 | CF | \$3,221 |
| | Rubble's Vol. (excl scrap) | | | | | | | | | | | | | | | | | | 4 | CY | |
| | Rubble's Weight (excl. scrap) | | | | | | | | | | | | | | | | | | | | |
| | Transport Cost Non-Scrap | | | | | | | | | | | | | | | | | | 4 | CY | |
| | Disposal Cost Non-Scrap | Bld. Materials | 020 612 0100 | 48 | /CY | | | | | | | | | | | | | | | \$192 | |
| | Steel's Weight | | | | | | | | | | | | | | | | | | | | |
| | Transport Cost Steel | | | | | | | | | | | | | | | | | | | | |
| | Disposal Cost Steel | | | | | | | | | | | | | | | | | | | \$3,413 | |
| | Subtotal | | | | | | | | | | | | | | | | | | | | |
| | Pad's Demo. Cost | Custom Concrete Demolition | CustConDemo | 28 | /CY | 40 | 26 | 0.5 | | | | | | | | | | | 19 | CY | \$532 |
| | Site Factor | | | | | | | | | | | | | | | | | | | | |
| | Reinforcement Factor | | | | | | | | | | | | | | | | | | 1.3 | 25 | CY |
| | Volume (Diminished) | | | | | | | | | | | | | | | | | | | | |
| | Transport Cost | | | | | | | | | | | | | | | | | | | | |
| | Disposal Fee | On Site Disposal | 020 554 5550 | 6.55 | /CY | | | | | | | | | | | | | | | 25 | CY |
| | Subtotal | | | | | | | | | | | | | | | | | | | | |
| | Total | | | | | | | | | | | | | | | | | | | | |

Demolition

Savage Coal Terminal 005/022

| MAP REF. | DESCRIPTION | MATERIALS | MEANS REFERENCE NUMBER | UNIT COST | UNIT | LENGH | WIDTH | HEIGHT | DIA. | AREA | VOL. | WEIGH | DEN. | TIME | # | UNIT | SWELL FACTOR | QUANTITY | UNIT | COST | |
|----------|-------------------------------|----------------------------|------------------------|-----------|------|-------|-------|--------|------|------|------|-------|------|------|---|------|--------------|----------|------|-------|-------|
| | River Pump | | | | | | | | | | | | | | | | | | | | |
| | Structure's Demo. Cost | Steel Building | 020 604 0012 | 0.21 | /CF | 8 | 8 | 8 | | | | | | | | | | 512 | CF | \$108 | |
| | Rubble's Vol. (excl scrap) | | | | | | | | | | | | | | | | | 0 | CY | | |
| | Rubble's Weight (excl. scrap) | | | | | | | | | | | | | | | | | | | | |
| | Transport Cost Non-Scrap | | | | | | | | | | | | | | | | | | 0 | CY | \$0 |
| | Disposal Cost Non-Scrap | Bld. Materials | 020 612 0100 | 48.00 | /CY | | | | | | | | | | | | | | | | |
| | Steel's Weight | | | | | | | | | | | | | | | | | | | | |
| | Transport Cost Steel | | | | | | | | | | | | | | | | | | | | \$108 |
| | Disposal Cost Steel | | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | | |
| | Equipment's Demolition Cost | | | | | | | | | | | | | | | | | | | | |
| | Dismatle Cost | | | | | | | | | | | | | | | | | | | | |
| | Transport Cost | | | | | | | | | | | | | | | | | | | | |
| | Disposal Cost | | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | | \$56 |
| | Pad's Demo. Cost | Custom Concrete Demolition | CustConDemo | 28.00 | CY | 8 | 8 | 1 | | | | | | | | | | | | | |
| | Site Factor | | | | | | | | | | | | | | | | | 1.3 | | | |
| | Reinforcement Factor | | | | | | | | | | | | | | | | | | | | |
| | Volume (Dimolished) | | | | | | | | | | | | | | | | | | | | |
| | Transport Cost | | | | | | | | | | | | | | | | | | | | |
| | Disposal Fee | On Site Disposal | 020 554 5550 | 6.55 | /CY | | | | | | | | | | | | | | | | \$78 |
| | Subtotal | | | | | | | | | | | | | | | | | | | | |
| | Foundation's Demo. Cost | | | | | | | | | | | | | | | | | | | | |
| | Site Factor | | | | | | | | | | | | | | | | | | | | |
| | Horizontal Rein. Factor | | | | | | | | | | | | | | | | | | | | |
| | Vertical Rein. Factor | | | | | | | | | | | | | | | | | | | | |
| | Volume (Dimolished) | | | | | | | | | | | | | | | | | | | | |
| | Transport Cost | | | | | | | | | | | | | | | | | | | | |
| | Disposal Cost | | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | | |
| | Footer's Demo. Cost | | | | | | | | | | | | | | | | | | | | |
| | Site Factor | | | | | | | | | | | | | | | | | | | | |
| | Rein. Factor | | | | | | | | | | | | | | | | | | | | |
| | Volume (Dimolished) | | | | | | | | | | | | | | | | | | | | |
| | Transport Cost | | | | | | | | | | | | | | | | | | | | |
| | Disposal Cost | | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | | \$184 |
| | Total | | | | | | | | | | | | | | | | | | | | |

| MAP REF. | DESCRIPTION | MATERIALS | MEANS REFERENCE NUMBER | UNIT COST | UNIT | LENGH | WIDTH | HEIGHT | DIA. | AREA | VOL. | WEIGH | DEN. | TIME | # | UNIT | SWELL FACTOR | QUANTITY | UNIT | COST | |
|----------|-------------------------------|-------------------|------------------------|-----------|------|-------|-------|--------|------|------|------|-------|------|------|---|------|--------------|----------|------|----------|----------|
| | Guard Rails | | | | | | | | | | | | | | | | | | | | |
| | Structure's Demo. Cost | Guide Rail Remove | 020 554 0800 | 6.05 | /LF | 4950 | | | | | | | | | | LF | | 4950 | LF | \$29,948 | |
| | Rubble's Vol. (excl scrap) | | | | | | | | | | | | | | | | | | | | |
| | Rubble's Weight (excl. scrap) | | | | | | | | | | | | | | | | | | | | |
| | Transport Cost Non-Scrap | | | | | | | | | | | | | | | | | | | | |
| | Disposal Cost Non-Scrap | | | | | | | | | | | | | | | | | | | | |
| | Steel's Weight | | | | | | | | | | | | | | | | | | | | |
| | Transport Cost Steel | | | | | | | | | | | | | | | | | | | | |
| | Disposal Cost Steel | | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | | \$29,948 |
| | Equipment's Demolition Cost | | | | | | | | | | | | | | | | | | | | |
| | Dismatle Cost | | | | | | | | | | | | | | | | | | | | |
| | Transport Cost | | | | | | | | | | | | | | | | | | | | |
| | Disposal Cost | | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | | |
| | Silo's Demolition Cost | | | | | | | | | | | | | | | | | | | | |
| | Silo's Site Factor | | | | | | | | | | | | | | | | | | | | |
| | Silo's Rein. Factor | | | | | | | | | | | | | | | | | | | | |
| | Silo's Volume (Dimolished) | | | | | | | | | | | | | | | | | | | | |
| | Silo's Transport Cost | | | | | | | | | | | | | | | | | | | | |
| | Silo's Disposal Fee | | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | | |
| | Foundation's Demo. Cost | | | | | | | | | | | | | | | | | | | | |
| | Site Factor | | | | | | | | | | | | | | | | | | | | |
| | Horizontal Rein. Factor | | | | | | | | | | | | | | | | | | | | |
| | Vertical Rein. Factor | | | | | | | | | | | | | | | | | | | | |
| | Volume (Dimolished) | | | | | | | | | | | | | | | | | | | | |
| | Transport Cost | | | | | | | | | | | | | | | | | | | | |
| | Disposal Cost | | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | | |
| | Footer's Demo. Cost | | | | | | | | | | | | | | | | | | | | |
| | Site Factor | | | | | | | | | | | | | | | | | | | | |
| | Rein. Factor | | | | | | | | | | | | | | | | | | | | |
| | Volume (Dimolished) | | | | | | | | | | | | | | | | | | | | |
| | Transport Cost | | | | | | | | | | | | | | | | | | | | |
| | Disposal Cost | | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | | |
| | Total | | | | | | | | | | | | | | | | | | | | \$29,948 |

| MAP REF. | DESCRIPTION | MATERIALS | MEANS REFERENCE NUMBER | UNIT COST | UNIT | LENGH | WIDTH | HEIGHT | DIA. | AREA | VOL. | WEIGH | DEN. | TIME | # | UNIT | SWELL FACTOR | QUANTITY | UNIT | COST |
|----------|--------------------------------|--------------|------------------------|-----------|------|-------|-------|--------|------|------|------|-------|------|------|---|------|--------------|----------|------|----------|
| | Culverts | | | | | | | | | | | | | | | | | | | |
| | Culvert Removal 12" | 12" diameter | 027 164 2560 | 3.97 | /LF | 300 | | | | | | | | | | LF | | 300 | CF | \$1,191 |
| | Culvert Removal 18" | 18" diameter | 027 164 2600 | 5.68 | /LF | 810 | | | | | | | | | | LF | | 810 | CF | \$4,601 |
| | Culvert Removal 24" | 24" diameter | 027 164 2620 | 6.62 | /LF | 750 | | | | | | | | | | LF | | 750 | CF | \$4,965 |
| | Transport Cost Non-Scrap | | | | | | | | | | | | | | | | | | | |
| | Disposal Cost Non-Scrap | | | | | | | | | | | | | | | | | | | |
| | Steel's Weight | | | | | | | | | | | | | | | | | | | |
| | Transport Cost Steel | | | | | | | | | | | | | | | | | | | |
| | Disposal Cost Steel | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | \$10,757 |
| | Equipment's Demolition Cost | | | | | | | | | | | | | | | | | | | |
| | Dismantle Cost | | | | | | | | | | | | | | | | | | | |
| | Transport Cost | | | | | | | | | | | | | | | | | | | |
| | Disposal Cost | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | |
| | Foundation's Demolition Cost | | | | | | | | | | | | | | | | | | | |
| | Foundation's Site Factor | | | | | | | | | | | | | | | | | | | |
| | Foundation's Rein. Factor | | | | | | | | | | | | | | | | | | | |
| | Foundation's Volume (Dimolish) | | | | | | | | | | | | | | | | | | | |
| | Foundation's Transport Cost | | | | | | | | | | | | | | | | | | | |
| | Foundation's Disposal Fee | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | |
| | Foundation's Demo. Cost | | | | | | | | | | | | | | | | | | | |
| | Site Factor | | | | | | | | | | | | | | | | | | | |
| | Horizontal Rein. Factor | | | | | | | | | | | | | | | | | | | |
| | Vertical Rein. Factor | | | | | | | | | | | | | | | | | | | |
| | Volume (Dimolished) | | | | | | | | | | | | | | | | | | | |
| | Transport Cost | | | | | | | | | | | | | | | | | | | |
| | Disposal Cost | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | |
| | Footer's Demo. Cost | | | | | | | | | | | | | | | | | | | |
| | Site Factor | | | | | | | | | | | | | | | | | | | |
| | Rein. Factor | | | | | | | | | | | | | | | | | | | |
| | Volume (Dimolished) | | | | | | | | | | | | | | | | | | | |
| | Transport Cost | | | | | | | | | | | | | | | | | | | |
| | Disposal Cost | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | |
| | Total | | | | | | | | | | | | | | | | | | | \$10,757 |

| | Eq. | Hours | Hourly | Hourly | Eq. & | Oper. | Number | Total | | | | Production | | Equip. + | | |
|---------------------------------|----------|--------|--------|--------|-------|--------|--------|----------|-------|----------|-------|------------|-------|-----------|-------|--------|
| | Rental | Rental | Eq. | Oper. | Mat. | Hourly | of Men | Eq. & La | | | | Rate | | Labor | | Cost |
| | Costs | Period | Costs | Costs | O.H. | Rate | or Eq. | Costs | Units | Quantity | Units | | Units | Time/Dis. | Units | |
| Svage Coal Terminal | | | | | | | | | | | | | | | | |
| Recontouring | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| D9N U Blade EROPS | 14425.00 | 176.00 | 81.96 | 40.85 | 0.10 | 39.50 | 1.00 | 174.59 | /HR | 98639 | CY | 160.00 | CY/HR | 616.0 | HR | 107547 |
| CLAB | | | | | | 31.60 | 0.50 | 15.80 | /HR | | | | | 616.0 | HR | 9733 |
| | | | | | | | | | | | | | | | | |
| Foreman Average, Outside | | | | | | 43.65 | 1.00 | 43.65 | /HR | | | | | 616.0 | HR | 26888 |
| 4,000 gal water truck | 3075.00 | 176.00 | 17.47 | 12.20 | 0.10 | 32.05 | 1.00 | 64.69 | /HR | | | | | 616.0 | HR | 39849 |
| Conventional 3/4 ton 4wh pickup | 630.00 | 176.00 | 3.58 | 5.20 | 0.10 | 0.00 | 1.00 | 9.66 | /HR | | | | | 616.0 | HR | 5951 |
| | | | | | | | | | | | | | | | | |
| Subtotal | | | | | | | | | | | | | | | | 189968 |

| | Eq. | Hours | Hourly | Hourly | Eq. & | Oper. | Number | Total | | | | Production | | Equip. + | | |
|---------------------------------|----------|--------|--------|--------|-------|--------|--------|----------|-------|----------|-------|------------|-------|-----------|-------|-----------|
| | Costs | Rental | Eq. | Oper. | Mat. | Hourly | of Men | Eq. & La | Units | Quantity | Units | Rate | Units | Labor | Units | Cost |
| | Costs | Period | Costs | Costs | O.H. | Rate | or Eq. | Costs | | | | | | Time/Dis. | | |
| Savage Coal Terminal | | | | | | | | | | | | | | | | |
| Topsoil | | | | | | | | | | | | | | | | |
| 813C Series II EROPS | 8155.00 | 176.00 | 46.34 | 26.65 | 0.10 | 39.50 | 2.00 | 239.58 | /HR | 49475 | CY | 64.00 | CY/HR | 773.0 | HR | 185195 |
| CLAB | | | | | | 31.60 | 1.00 | 31.60 | /HR | | | | | 773.0 | HR | 24427 |
| D9N U Blade EROPS | 14425.00 | 176.00 | 81.96 | 40.85 | 0.10 | 39.50 | 1.00 | 174.59 | /HR | | | | | 773.0 | HR | 134958 |
| CLAB | | | | | | 31.60 | 0.50 | 15.80 | /HR | | | | | 773.0 | HR | 12213 |
| Foreman Average, Outside | | | | | | 43.65 | 1.00 | 43.65 | /HR | | | | | 773.0 | HR | 33741 |
| 4,000 gal water truck | 3075.00 | 176.00 | 17.47 | 12.20 | 0.10 | 32.05 | 1.00 | 64.69 | /HR | | | | | 773.0 | HR | 50005 |
| Conventional 3/4 ton 4wh pickup | 630.00 | 176.00 | 3.58 | 5.20 | 0.10 | 0.00 | 1.00 | 9.66 | /HR | | | | | 773.0 | HR | 7467 |
| Subtotal | | | | | | | | | | | | | | | | \$238,384 |

Backfilling and Grading

Svage Coal Terminal 007/022

| | Eq. | Hours | Hourly | Hourly | Eq. & | Oper. | Number | Total | | | | | Equip. + | | | |
|-----------------------------------|----------|--------|--------|--------|-------|--------|--------|----------|-------|----------|-------|----------|-----------|-------|------|---------|
| | Rental | | Eq. | Oper. | Mat. | Hourly | of Men | Eq. & La | Units | Quantity | Units | Producti | Labor | Units | Cost | |
| | Costs | Period | Costs | Costs | O.H. | Rate | or Eq. | Costs | | | | Rate | Time/Dis. | | | |
| Savage Coal Terminal | | | | | | | | | | | | | | | | |
| Cleanup Coal Piles | | | | | | | | | | | | | | | | |
| 988B (1994) EROPS | 10365.00 | 176.00 | 58.89 | 38.45 | 0.10 | 39.50 | 1.00 | 146.57 | /HR | 3000 | CY | 300.00 | CY/HR | 10.0 | HR | 1466 |
| CLAB | | | | | | 31.60 | 0.50 | 15.80 | /HR | | | | | 10.0 | HR | 158 |
| D9N U Blade EROPS | 14425.00 | 176.00 | 81.96 | 40.85 | 0.10 | 39.50 | 1.00 | 174.69 | /HR | | | | | 10.0 | HR | 1746 |
| CLAB | | | | | | 31.60 | 0.50 | 15.80 | /HR | | | | | 10.0 | HR | 158 |
| Truck, dump, tandem, 12 ton paylo | 3125.00 | 176.00 | 17.76 | 17.00 | 0.10 | 32.05 | 10.00 | 702.86 | /HR | | | | | 10.0 | HR | 7029 |
| CLAB | | | | | | 31.60 | 0.50 | 15.80 | /HR | | | | | 10.0 | HR | 158 |
| Foreman Average, Outside | | | | | | 43.65 | 1.00 | 43.65 | /HR | | | | | 10.0 | HR | 437 |
| 4,000 gal water truck | 3075.00 | 176.00 | 17.47 | 12.20 | 0.10 | 32.05 | 1.00 | 64.69 | /HR | | | | | 10.0 | HR | 647 |
| Conventional 3/4 ton 4wh pickup | 630.00 | 176.00 | 3.58 | 5.20 | 0.10 | 0.00 | 1.00 | 9.66 | /HR | | | | | 10.0 | HR | 97 |
| Subtotal | | | | | | | | | | | | | | | | \$8,368 |

Backfilling and Grading

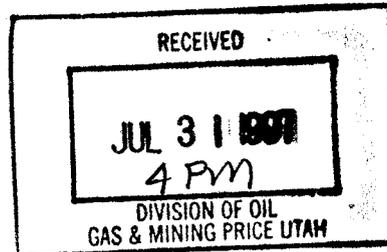
Svage Coal Terminal 007/022

| | Eq. Rental Period | Hours Eq. Costs | Hourly Oper. Costs | Eq. & Mat. O.H. | Oper. Hourly Rate | Number of Men or Eq. | Total Eq. & La Costs | Units | Quantity | Units | Producti Rate | Units | Equip. + Labor Time/Dis. | Units | Cost |
|--------------------|-------------------|-----------------|--------------------|-----------------|-------------------|----------------------|----------------------|-------|----------|-------|---------------|-------|--------------------------|-------|--------------|
| Earthwork | | | | | | | | | | | | | | | \$189,968.00 |
| Recontouring | | | | | | | | | | | | | | | \$238,384.00 |
| Topsoil | | | | | | | | | | | | | | | \$8,368.00 |
| Cleanup Coal Piles | | | | | | | | | | | | | | | \$436,720.00 |
| Total | | | | | | | | | | | | | | | |



Savage Industries Inc.
2025 E. 5000 S.
Price, Utah 84501
(801) 637-5664
(801) 637-3418 FAX

July 29, 1997



*Pamela Grubaugh-Littig
Permit Supervisor
Utah Coal Regulatory Program
P. O. Box 145801
Salt Lake City, Utah 84114-5801*

*Re: Revised Reclamation Cost Estimate
Savage Coal Terminal
ACT / 007 / 022
Carbon County, Utah*

Dear Ms. Littig:

Enclosed are 4 copies of a revised reclamation cost estimate for the Savage Coal Terminal. The revised estimate and calculations are submitted as an Appendix to the plan.

If you have any questions, or need any further information, please let me know.

Sincerely,

*Boyd Rhodes
Manager*

*cc: Paige Beville - Arco
Dan W. Guy - Blackhawk Engineering
File*

APPLICATION FOR PERMIT PROCESSING

| | | | | | | |
|---|-------------------------------------|----------------------------------|-----------------------------------|--------------------------------------|---------------------------------------|---|
| Permit Change <input checked="" type="checkbox"/> | New Permit <input type="checkbox"/> | Renewal <input type="checkbox"/> | Transfer <input type="checkbox"/> | Exploration <input type="checkbox"/> | Bond Release <input type="checkbox"/> | Permit Number: <u>ACT/007/022</u> |
| Title of Proposal: <u>REVISED RECLAMATION COST ESTIMATE</u> | | | | | | Mine: <u>SAVAGE COAL TERMINAL</u> |
| | | | | | | Permittee: <u>SAVAGE INDUSTRIES, INC.</u> |

Description, include reason for application and timing required to implement:
REQUESTED BY DIVISION

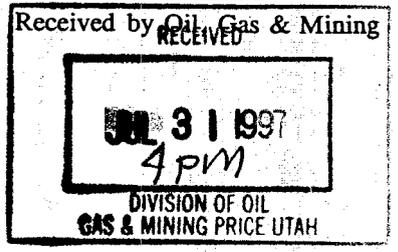
Instructions: If you answer yes to any of the first 7 questions (gray), submit the application to the Salt Lake Office. Otherwise, you may submit it to an inspector.

| | | |
|---|--|---|
| <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | 1. Change in the size of the Permit Area? _____ acres <input type="checkbox"/> increase <input type="checkbox"/> decrease. |
| <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | 2. Change in the size of the Disturbed Area? _____ acres <input type="checkbox"/> increase <input type="checkbox"/> decrease. |
| <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | 3. Does application include operations outside a previously identified Cumulative Hydrologic Impact Area? |
| <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | 4. Does application include operations in hydrologic basins other than as currently approved? |
| <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No | 5. Does application result from cancellation, reduction or increase of insurance or reclamation bond? |
| <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | 6. Does the application require or include public notice/publication? |
| <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | 7. Does the application require or include ownership, control, right-of-entry, or compliance information? |
| <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | 8. Is the application submitted as a result of a Violation? Violation # _____ |
| <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | 9. Is the application submitted as a result of a Division Order? D.O. # _____ |
| <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No | 10. Is the application submitted as a result of other laws or regulations or policies? Explain: <u>MID-TERM REVIEW</u> |
| <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | 11. Does the application affect the surface landowner or change the post mining land use? |
| <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | 12. Does the application require or include underground design or mine sequence and timing? (Modification of R2P2?) |
| <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | 13. Does the application require or include collection and reporting of any baseline information? |
| <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | 14. Could the application have any effect on wildlife or vegetation outside the current disturbed area? |
| <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | 15. Does application require or include soil removal, storage or placement? |
| <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | 16. Does the application require or include vegetation monitoring, removal or revegetation activities? |
| <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | 17. Does the application require or include construction, modification, or removal of surface facilities? |
| <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | 18. Does the application require or include water monitoring, sediment or drainage control measures? |
| <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No | 19. Does the application require or include certified designs, maps, or calculations? |
| <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | 20. Does the application require or include subsidence control or monitoring? |
| <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No | 21. Have reclamation costs for bonding been provided for? |
| <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | 22. Is proposed activity within 100 feet of a public road or perennial stream or 300 feet of an occupied dwelling? |
| <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | 23. Is this coal exploration activity? |

Attach 4 complete copies of the application.

I hereby certify that I am a responsible official of the applicant and that the information contained in this application is true and correct to the best of my information and belief in all respects with the laws of Utah in reference to commitments, undertakings, and obligations, herein.

Signed - Name - Position - Date
Dana Ballard 7-31-97
 Notary Public
 My Commission Expires: 9-27 19 97
 STATE OF UTAH
 COUNTY OF CARBON



ASSIGNED PERMIT CHANGE NUMBER

APPENDIX 3-4

Reclamation Cost Estimate

July 1997

APPENDIX 3-4
COST ESTIMATE

I. RECLAMATION COST ESTIMATE

A. COST OF RECLAMATION

1. INTRODUCTION

Reclamation cost estimates for the Savage Coal Terminal have been calculated per Division requirements listed in the 05/06/97 Midterm Review. Demolition and labor costs have been taken from the "Means Heavy Construction Data," 9th Annual Edition, 1995. Equipment productivity rates were taken from the "Caterpillar Performance Handbook", 25th Edition, 1994.

Reclamation costs have been divided into the following major categories:

*Demolition / Disposal
Recontouring
Topsoiling
Revegetation
Maintenance / Monitoring*

The following assumptions have been used in these calculations:

- (1) All steel demolition costs include haulage to a recycling facility within 20 miles of the loadout. No salvage value is assumed;*
- (2) All exposed concrete will be broken up and buried on site. Calculations are based on haulage and disposal of the concrete in the Reclaim Tunnel areas, Plant Overflow Pond and Sediments Ponds 1, 2, 3 and 5.*
- (3) Certain portable structures will be hauled off site as units; however, no salvage value is assumed;*
- (4) Calculations include removal and revegetation of the sediment ponds;*
- (5) Cost estimates taken from "Means Heavy Construction Cost Data" have not been adjusted;*
- (6) The French Drain will be severed and plugged at the pumphouse location;*
- (7) The pipeline from the river will be severed and plugged at the river pump and main pumphouse locations;*
- (8) Large concrete structures (i.e. Silo, Stacking Tubes) will be brought down by explosives, then further broken up and buried.*

The following is a list of labor and equipment rates, as well as disposal costs, used in these calculations:

| <i>ITEM</i> | <i>COST / UNIT</i> | <i>SOURCE</i> | <i>REMARKS</i> |
|-----------------------------|--------------------|--------------------|---------------------------|
| <u>Labor</u> | 30.95/MH | Means | Includes O&P |
| <u>Demolition</u> | | | |
| Chain Link | 2.29/LF | Means | Includes O&P |
| Guard Rail | 5.85/LF | Means | Includes O&P |
| Pavement | 6.15/SY | Means | Includes on-site Disposal |
| Concrete | 23.48/CY | Means | Includes on-site Disposal |
| Asphalt (3") | 4.02/SY | Means | Includes O&P |
| Asphalt (6") | 6.60/SY | Means | Includes O&P |
| Disposal - 5 Mi. | 10.70/CY | Means | To Recycler |
| Railroad Track/Ties | 16.25/LF | Means | Includes O&P |
| Gutting (Prep. Plant) | 5.90/SF (Floor) | Means | Includes Disposal |
| Large Concrete (Explosives) | 0.19/CF | Means | Includes O&P |
| 12" C.M.P. | 5.80/LF | Means | Includes O&P |
| 15" C.M.P. | 6.80/LF | Means | Includes O&P |
| 18" C.M.P. | 7.65/LF | Means | Includes O&P |
| 24" C.M.P. | 8.50/LF | Means | Includes O&P |
| 36" C.M.P. | 11.30/LF | Means | Includes O&P |
| Small Buildings | 0.23/CF | Means | Includes 20 mile Haul |
| Steel Structures | 0.23/CF | Means | Includes 20 mile Haul |
| Disposal (Land Fill) | 35.00/CY | Means | Approved Land Fill |
| <u>Earthmoving</u> | | | |
| 613 Scraper | 1.66/CY | Means | 150' Haul |
| 988 Cat Loader | 3.16/CY | Means | Earth |
| Dump Truck-12 CY | 3.35/CY | Means | 2 mile Round Trip |
| 235 Cat Excavator | 1.58/CY | Means | N/A |
| D9N-9U Dozer | 3.23/CY | Means | 300' Haul |
| Grader/Scarifier | 4.37/MSF | Means | Includes O&P |
| Tractor Spreader | 21.50/MSF | Means | Includes O&P |
| Large Power Mulcher | 20.50/MSF | Means | Includes O&P |
| Hydro Spreader | 2.02/MSF | Means | Includes O&P |
| <u>Equipment</u> | | | |
| D9N-9U Dozer | 196.88/hr. | Cat Handbook/Means | |
| 988 Cat Loader | 175.00/hr. | Cat Handbook/Means | |
| 12 CY Dump Truck | 53.75/hr. | Cat Handbook/Means | |
| 235 Cat Excavator | 262.50/hr. | Cat Handbook/Means | |
| Hydraulic Hammer | 31.25/hr. | Cat Handbook/Means | |

SUMMARY OF RECLAMATION COSTS

| | | |
|--------------------------------------|---|--------------|
| 1- Demolition / Disposal | - | \$738,855.74 |
| 2- Recontouring / Ground Preparation | - | 347,823.97 |
| 3- Topsoiling | - | 123,687.50 |
| 4- Reseeding | - | 257,750.34 |
| 5- Monitoring | - | 150,000.00 |

| | | |
|-----------------------------|---|----------------|
| Projected Reclamation Costs | = | \$1,618,117.55 |
| + 10% Contingency | = | 161,811.76 |

| | | |
|--|---|-----------------------|
| Total Reclamation Cost (1995 Dollars) | = | <u>\$1,779,929.31</u> |
|--|---|-----------------------|

| <u>Year</u> | <u>Escalation Factor</u> | <u>Escalated Total</u> |
|-------------|--------------------------|------------------------|
| 1996 | 2.01% | \$1,815,705.88 |
| 1997 | 2.01% | \$1,852,201.57 |
| 1998 | 2.01% | \$1,889,430.82 |
| 1999 | 2.01% | \$1,927,408.38 |

Total estimated reclamation cost in 1999 dollars is \$1,927,408.38. The reclamation bond presented posted for this site is \$2,728,178.00. Based on these calculations, the existing bond is adequate.

Concrete Demolition / Burial

(a) Assumptions:

- 1- Concrete will be broken up with a Balderson Hydraulic Hammer, Model 140, mounted on a Cat 235 Excavator;
- 2- The Balderson Hammer productivity was based on breakage of 20,000 psi material with a thickness less than 20 inches, taken from the "Caterpillar Performance Handbook", Edition 25.
- 3- Breakage productivity was reduced by 50% due to moving from location to location;
- 4- Operating costs of \$293.75/hr. for the excavator and hammer were taken from the 1995 Means "Heavy Construction Cost Index".
- 5- Calculated breakage costs were doubled to allow for reinforcement in the concrete.
- 6- Disposal cost of \$6.40/c.y. for on-site disposal was taken directly from Means.

(b) Calculation:

| | | |
|--------------------------------|---|---------------------|
| Balderson Hammer Productivity | = | \$ 550 c.y. / 8 Hr. |
| 50% Efficiency | = | \$ 275 c.y. / 8 Hr. |
| Production (Breakage) per hour | = | \$ 34.38 c.y./Hr. |

Demolition Cost:

| | | |
|--|-----|---------------------|
| \$293.75/Hr. Divided by 34.38 cy / Hr. | = * | \$ 8.54 /c.y. |
| Double for reinforcement | = | \$17.08 /c.y. |
| Disposal Cost (On-Site) | = | \$ 6.40 /c.y. |
| TOTAL Concrete Cost | = | \$23.48/c.y. |

* It should be noted this figure agrees closely with the figure of \$8.10/c.y. for concrete building demolition, taken from Means.

Note: Large concrete structures (silo, stacking tubes) will be brought down by explosives prior to final breakage and disposal.

The following is a detailed summary of costs and justifications used in the reclamation cost estimate.

SAVAGE - BOND
DEMOLITION / DISPOSAL

| <u>STRUCTURE</u> | <u>SIZE</u> | <u>MATERIAL</u> | <u>DEMOLISH REMOVE</u> | <u>DISPOSAL</u> | <u>COST/UNIT</u> | <u>COST</u> |
|---------------------------------|--------------|-----------------|------------------------|-----------------|------------------|-------------|
| <u>SHOP/OFFICE</u> | | | | | | |
| Building | 100'x45'x10' | Steel | Demolish | Haul | 0.23/CF | 10,350.00 |
| Concrete | 100'x45'x6" | Concrete | Demolish | On-Site | 23.48/CY | 1,956.67 |
| Fence | 240'x6' | Steel | Demolish | Haul | 2.29/LF | 549.60 |
| | | | | | | 12856.27 |
| <u>SCALE</u> | | | | | | |
| Scale House | 12'x12'x8' | Steel | Demolish | Haul | 0.23/CF | 264.96 |
| Scales | 75'x15'x3' | Unit | Remove | Haul | 0.23/CF | 776.25 |
| Concrete | 15 CY | Concrete | Demolish | On-Site | 23.48/CY | 352.20 |
| | | | | | | 1393.41 |
| <u>NO. 1 TRUCK DUMP</u> | | | | | | |
| Hopper | 16'x16'x22' | Steel | Demolish | Haul | 0.23/CF | 1,295.36 |
| Crusher | 16'x6'x8' | Steel | Remove | Haul | 0.23/CF | 176.64 |
| Bin Wall | 200'x30' | Steel | Demolish | Haul | 0.23/CF | 1,380.00 |
| Concrete | 30'x40'x1' | Concrete | Demolish | On-Site | 23.48/CY | 1,043.56 |
| | | | | | | 3895.56 |
| <u>NO. 2 TRUCK DUMP</u> | | | | | | |
| Hopper | 16'x16'x22' | Steel | Demolish | Haul | 0.23/CF | 1,295.36 |
| Concrete | 120'x8'x1' | Concrete | Demolish | On-Site | 23.48/CY | 834.84 |
| | | | | | | 2130.20 |
| <u>NO. 3 TRUCK DUMP</u> | | | | | | |
| Hopper | 14'x14'x20' | Steel | Remove | Haul | 0.23/CF | 901.60 |
| Concrete | 20'x20'x1' | Concrete | Demolish | On-Site | 23.48/CY | 347.85 |
| | | | | | | 1249.45 |
| <u>NO. 4 TRUCK DUMP</u> | | | | | | |
| Hopper | 16'x16'x20' | Steel | Remove | Haul | 0.23/CF | 1,177.60 |
| Concrete | 48'x4'x2' | Concrete | Demolish | On-Site | 23.48/CY | 333.94 |
| | | | | | | 1511.54 |
| <u>NO. 5 TRUCK DUMP (PORT.)</u> | | | | | | |
| Hopper | 30'x14'x8' | Steel | Remove | Haul | 0.23/CF | 772.80 |
| Concrete | 10'x15'x1' | Concrete | Demolish | On-Site | 23.48/CY | 130.44 |
| | | | | | | 903.24 |
| <u>36" CONVEYOR</u> | | | | | | |
| 8 Conveyors | 1980'x4'x4' | Steel | Remove | Haul | 0.23/CF | 6,918.40 |
| <u>48" CONVEYOR</u> | | | | | | |
| 1 Conveyor | 1500'x7'x4' | Steel | Remove | Haul | 0.23/CF | 9,660.00 |

| <u>STRUCTURE</u> | <u>SIZE</u> | <u>MATERIAL</u> | <u>DEMOLISH REMOVE</u> | <u>DISPOSAL</u> | <u>COST/UNIT</u> | <u>COST</u> |
|-----------------------------|-------------------|-----------------|------------------------|-----------------|------------------|-------------|
| <u>NO. 4 RADIAL STACKER</u> | | | | | | |
| Stacker | 200'x8'x8' | Steel | Remove | Haul | 0.23/CF | 2,944.00 |
| <u>NO. 5 RADIAL STACKER</u> | | | | | | |
| Stacker | 100'x6'x6' | Steel | Remove | Haul | 0.23/CF | 828.00 |
| <u>CONVEYOR PIERS</u> | | | | | | |
| 40 Piers | 40 (3'x3'x6') | Concrete | Demolish | On-Site | 23.48/CY | 1,878.40 |
| <u>SUPPORT STRUCTURE</u> | | | | | | |
| Steel Supports | 18 (300'x1'x1') | Steel | Demolish | Haul | 0.23/CF | 1,242.00 |
| <u>WATER TANK</u> | | | | | | |
| Tank | 21,390 | Steel | Demolish | Haul | 0.23/CF | 4,919.70 |
| Concrete | 90 cu. yds. | Concrete | Demolish | On-Site | 23.48/CY | 2,113.20 |
| | | | | | | 7032.9 |
| <u>RECLAIM TUNNELS</u> | | | | | | |
| Corrugated Steel | 1040'x14'x8' | Steel | Demolish | Haul | 0.23/CF | 26,790.40 |
| Escape Tunnels | 160'x4'Diam. | Steel | Demolish | Haul | 0.23/CF | 462.44 |
| Fan | 2 (4'x4'x4') | Steel | Remove | Haul | 0.23/CF | 29.44 |
| Fan House | 8'x8'x8' | Steel | Remove | Haul | 0.23/CF | 117.76 |
| | | | | | | 27400.04 |
| <u>PORTABLE HOPPER</u> | | | | | | |
| Hopper | 20'x12'x14' | Steel | Remove | Haul | 0.23/CF | 772.80 |
| <u>TRAILER</u> | | | | | | |
| Trailer | 30'x8'x8' | Unit | Remove | Haul | 0.23/CF | 441.60 |
| <u>TRANSFER BIN</u> | | | | | | |
| Bin | 30'x16' Diam. | Steel | Remove | Haul | 0.23/CF | 346.83 |
| Concrete | 20'x20'x1' | Concrete | Demolish | On-Site | 23.48/CY | 347.85 |
| | | | | | | 694.68 |
| <u>PREPARATION PLANT</u> | | | | | | |
| Building | 110'x80'x80'x0.35 | Steel | Demolish | Haul | 0.23/CF | 56,672.00 |
| Concrete | 110'x80'x1' | Concrete | Demolish | On-Site | 23.48/CF | 7,652.74 |
| Thickener | 750 CY | Concrete | Demolish | On-Site | 23.48/CF | 17,610.00 |
| Gutting | 4 (110'x80') | Mix | Demolish | Haul | 5.90/SF/Floor | 207,680.00 |
| | | | | | | 289614.74 |

| <u>STRUCTURE</u> | <u>SIZE</u> | <u>MATERIAL</u> | <u>DEMOLISH REMOVE</u> | <u>DISPOSAL</u> | <u>COST/UNIT</u> | <u>COST</u> |
|------------------------------|------------------|-----------------|------------------------|-----------------|------------------|-------------|
| <u>SUB STATION</u> | | | | | | |
| Transformers | 2 Units | Unit | Remove | Haul | \$250/ea | 500.00 |
| Fence | 180' | Steel | Remove | Haul | 23.48/CY | 412.20 |
| Concrete | 20'x27'x.5' | Concrete | Remove | On-Site | 23.48/CY | 234.80 |
| Building | 20'x27'x8' | Metal | Remove | Haul | 0.23/CF | 993.60 |
| | | | | | | 2140.6 |
| <u>FUEL STATION</u> | | | | | | |
| Tanks | 3 Tanks | Unit | Remove | Haul | \$100/ea | 300.00 |
| Trailer | 10'x50'x8' | Unit | Remove | Haul | 0.23/CF | 920.00 |
| Concrete Wall | 30'x30'x4'x8" | Concrete | Demolish | On-Site | 23.48/CY | 234.80 |
| Concrete Floor | 30'x30'x6" | Concrete | Demolish | On-Site | 23.48/CY | 671.01 |
| | | | | | | 1891.01 |
| <u>RECLAIM CONTROL HOUSE</u> | | | | | | |
| Structure | 22'x16'x12' | Steel | Demolish | Haul | 0.23/CF | 971.52 |
| Concrete | 22'x22'x0'5' | Concrete | Demolish | On-Site | 23.48/CY | 153.06 |
| | | | | | | 1124.56 |
| <u>SAMPLE HOUSE</u> | | | | | | |
| Structure | 22'x22'x30' | Steel | Demolish | Haul | 0.23/CF | 3,339.60 |
| Concrete | 22'x22'x0.5' | Concrete | Demolish | On-Site | 23.48/CY | 210.45 |
| | | | | | | 3550.05 |
| <u>STACKING TUBE</u> | | | | | | |
| 4 Tubes | 20'Dx24"Wx200'H | Concrete | Explosives | | 0.19/CF | 3,820.19 |
| 4 Tubes | 186 CY/Tube | Concrete | Demolish | On-Site | 23.48/CY | 17,469.12 |
| <u>LOADOUT SILO</u> | | | | | | |
| 1 Silo | 50'Dx24"Wx200'H | Concrete | Explosives | | 0.19/CF | 11,938.08 |
| 1 Silo | 2327 CY | Concrete | Demolish | On-Site | 23.48/CY | 54,640.57 |
| <u>RAILROAD</u> | | | | | | |
| Rail/Ties | 8100' | Steel/Wood | Demolish | Haul | 16.25/LF | 131,625.00 |
| <u>POWERLINE</u> | | | | | | |
| Poles | 25 | Wood | Demolish | Haul | \$100/ea | 2,500.00 |
| <u>ASPHALT</u> | | | | | | |
| Haul Road | 4700'x24'x6" | Asphalt | Demolish | Haul | 6.60/SY | 82,720.00 |
| Parking Lot | 50'x140'x3" | Asphalt | Demolish | Haul | 4.02/SY | 3,126.67 |
| | | | | | | 85946.67 |
| <u>PUMPHOUSE</u> | | | | | | |
| Structure | 40'x26'x10'x0.35 | Mix | Demolish | Haul | \$35/CY | 4,718.52 |
| Shallow Tank | 12' Diam.x8' | Steel | Demolish | Haul | 0.23/CF | 69.37 |
| Deep Tank | 21' Diam.x30' | Steel | Demolish | Haul | 0.23/CF | 260.12 |
| Concrete | 40'x26'x0.5' | Concrete | Demolish | On-Site | 23.48/CY | 452.21 |
| | | | | | | 5500.92 |

| <u>STRUCTURE</u> | <u>SIZE</u> | <u>MATERIAL</u> | <u>DEMOLISH REMOVE</u> | <u>DISPOSAL</u> | <u>COST/UNIT</u> | <u>COST</u> |
|--------------------|-------------|-----------------|----------------------------|-----------------|------------------|-------------|
| <u>RIVER PUMP</u> | | | | | | |
| Pumphouse | 8'x8'x8' | Unit | Remove | Haul | 0.23/CF | 117.76 |
| Concrete | 8'x8'x1' | Concrete | Demolish | Haul | 23.48/CY | 55.66 |
| <u>GUARD RAILS</u> | | | | | | |
| Rails | 4950' | Steel | Demolish | Haul | \$5.85/LF | 28,957.50 |
| <u>CULVERTS</u> | | | | | | |
| 12" | 300' | Steel | Demolish | Haul | \$5.80/LF | 1,740.00 |
| 18" | 810' | Steel | Demolish | Haul | 7.65/LF | 6,196.50 |
| 24" | 750' | Steel | Demolish | Haul | 8.50/LF | 6,375.00 |

Sub-Total Demolition Cost = \$738,855.74

EARTHWORK COSTS

(1) General:

The Savage Coal Terminal is a relatively flat area, sloping less than 5%, and contains no highwalls or large cut slopes. Once the demolition is completed, the majority of the site will be brought to the final configuration by dozers. This includes all areas except the topsoil stockpile areas. The refuse pile will be reshaped to its final configuration by dozers, and the topsoil will be spread over the refuse area by scrapers.

Based on the site configuration, dozer push distance will not exceed 300' on average; therefore, the dozer cost of \$3.23/CY has been taken directly from Means. 1281 hrs D & N U M I

Cost of transport of topsoil to the refuse pile by scrapers has also been taken from Means, based on a 613 Cat scraper with a 1500' Haul. This cost is \$2.50/CY. There are presently 49,475 cubic yards of topsoil/subsoil stored on site. 1249.4 1450.9 160CY/hr

(2) Summary:

Recontouring - Dozer 98,639CY x \$3.23/CY = \$318,603.97 112 500 CY/hr 160N

Topsoiling - Scraper 49,475CY x \$2.50/CY = \$123,687.50 34.8

A mass balance for earthwork has not been completed at this site, since the bulk of the earthwork will involve relatively minor regrading and ripping by dozers. The earthwork volume is based on regrading and ripping of the top 6" of the entire 122.28 acre disturbed area. The total volume of earthwork based on this calculation is 98,639 cubic yards.

D & N U M I

32

15

| PROJECT | QUANTITY | EQUIPMENT | COST/UNIT | COST |
|---------|----------|-----------|-----------|------|
|---------|----------|-----------|-----------|------|

RECONTOURING / GROUND PREPARATION 19^c
6 CY M

Cleanup Coal Piles

| | | | |
|---------|-------------|---------|-----------|
| 3000 CY | D9 Dozer | 3.23/CY | 9690.00 |
| 3000CY | 988 Loader | 3.16/CY | 9480.00 |
| 3000CY | 12 CY Truck | 3.35/CY | 10,050.00 |

0 16409 52 50 1

14 3 HR

Recontour / Regrade

| | | | | |
|--------|----|----------|---------|--------------|
| 98,639 | CY | D9 Dozer | 3.23/CY | \$347,823.97 |
|--------|----|----------|---------|--------------|

Sub-Total \$347,823.97

TOPSOILING

Topsoil

| | | | | |
|--------|----|-------------|---------|--------------|
| 49,475 | CY | 613 Scraper | 2.50/CY | \$123,687.50 |
|--------|----|-------------|---------|--------------|

43560 ft² area

Sub-Total \$123,687.50

REVEGETATION

4940 sq 1 acre

| | | | | |
|--------------------|-----------|---------------------|------------|------------|
| Ground Preparation | 125.0 Ac. | Grader/Scarifier | 190.36/Ac. | 23,277.22 |
| Seeding | 125.0 Ac. | Tractor Spreader | 936.54/Ac. | 114,520.11 |
| Mulching | 125.0 Ac. | Large Power Mulcher | 892.98/Ac. | 109,193.59 |
| Fertilizer | 125.0 Ac. | Hydro Spreader | 87.99/Ac. | 10,759.42 |

Sub-Total \$257,750.34

MAINTENANCE/MONITORING

10 Years @ 15,000/yr. = \$150,000.00

Sub-Total = \$150,000.00

Total Cost = \$1,618,117.55



State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt
Governor
Ted Stewart
Executive Director
James W. Carter
Division Director

1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, Utah 84114-5801
801-538-5340
801-359-3940 (Fax)
801-538-7223 (TDD)

September 18, 1997

James Jensen
Savage Industries, Inc.
5250 South 300 West, Suite 200
Salt Lake City, Utah 84107

Re: Approval of Revised Reclamation Cost Estimate, (Midterm Review), Savage Coal Industries, Savage Coal Terminal, ACT/007/022-MT97, Folder #2, Carbon County, Utah

Dear Mr. Jensen:

As a follow up to the Mid Term review, Savage submitted a revised reclamation cost estimate for the Savage Coal Terminal on July 31, 1997. Taking this new information into account we have recalculated the bond for the Savage loadout and have determined that the appropriate bond should be \$2,525,000.00. This is based on the year 2001 dollars.

Since the bond currently posted for the Savage Loadout (\$2,728,178.00) exceeds the amount required, no adjustment is necessary at this time.

Savage may choose to retain the current bond amount in order to cover future permitting actions and contingencies or reduce the bond amount to \$2,525,000.00 if so desired. A copy of the Division's bond cost summary is enclosed for your information and files.

If you have any questions, please don't hesitate to call me or Wayne Western.

Sincerely,

Daron R. Haddock
Permit Supervisor

tat
Enclosure

cc: Dan Guy, Blackhawk Engineering
Boyd Rhodes, Savage Industries
William Malencik, DOGM

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September 16, 1997

TO: File

THRU: Daron Haddock, Permit Supervisor *DQH*

FROM: Wayne H. Western, Senior Reclamation Specialist *W. H. W.*

RE: Revised Reclamation Cost Estimate, Savage Industries, Savage Coal Terminal, ACT/007/022-MT, File #2, Carbon County, Utah

Summary:

On July 31, 1997, the Division revised a revised reclamation cost estimate for the Savage Coal Terminal. The revision was requested by the Division because the estimate in the approved MRP was not compatible with the Division format for bond calculations.

Technical Analysis:

The Division reviewed the reclamation cost estimate submitted by the Permittee on July 31, 1997. The reclamation estimate was in a form that could be used by the Division to determine the bond amount.

The Division calculated the bond amount for the Savage Coal Terminal to be \$2,525,000 in 2001 dollars. The Permittee calculated the reclamation costs to be \$1,927,408.38. The major area where the Division and the Permittee disagreed on costs was the indirect costs. The Division estimates the indirect costs to be 35% of the direct costs. The Permittee estimates that the indirect costs will be 10% of the direct costs.

The current bond is for \$2,728,178.00, which is \$203,178 more than the Division reclamation cost estimate. The current bond is adequate to cover reclamation. The Permittee could reduce the bond amount from \$2,728,178.00 to \$2,525,000. Attached is a copy of the detailed reclamation cost estimate.

The Permittee met the minimum requirements of R645-301-830.140 and R645-301-

830.110 have been met. The Permittee supplied the Division with a detailed reclamation cost estimate. The Division used the Permittee's estimate to calculate the bond amount.

Findings:

The Permittee has met the minimum requirements of R645-301-830.140 by providing the Division with a detailed reclamation cost estimate. The Division met the minimum requirements of R645-301-830.100 by determining the bond amount.

Recommendation:

Since the current bond amount is greater than the Division's reclamation cost estimates the Division should:

- Consider the current bond to be adequate,
- Give the Permittee the option to reduce the current bond amount from \$2,728,178.00 to \$2,525,000,
- Informally send the Permittee a copy of the Division's reclamation cost estimate and ask the Permittee to submit comments.