



State of West Virginia  
 Department of Administration  
 Purchasing Division  
 2019 Washington Street East  
 Post Office Box 50130  
 Charleston, WV 25305-0130

# Request for Quotation

RFQ NUMBER  
**DEP14593**

PAGE  
**1**

ADDRESS CORRESPONDENCE TO ATTENTION OF  
**CHUCK BOWMAN**  
**304-558-2157**

**RFQ COPY**  
**TYPE NAME/ADDRESS HERE**

VENDOR

SHIP TO

**ENVIRONMENTAL PROTECTION**  
**DEPARTMENT OF**  
**OFFICE OF AML&R**  
**601 57TH STREET SE**  
**CHARLESTON, WV**  
**25304**                      **304-926-0499**

|                                   |               |          |        |               |
|-----------------------------------|---------------|----------|--------|---------------|
| DATE PRINTED<br><b>04/06/2009</b> | TERMS OF SALE | SHIP VIA | F.O.B. | FREIGHT TERMS |
|-----------------------------------|---------------|----------|--------|---------------|

BID OPENING DATE: **04/22/2009**                      BID OPENING TIME **01:30PM**

| LINE   | QUANTITY | UOP       | CAT. NO. | ITEM NUMBER   | UNIT PRICE | AMOUNT |
|--|----------|-----------|----------|---------------|------------|--------|
| <p>*****<b>ADDENDUM NO. 1</b>*****</p> <p>ADDENDUM ISSUED FOR THE SUNDAIL (HATFIELD) REFUSE PILE PROJECT TO DISTRIBUTE THE PRE-BID SIGN-IN SHEETS, THE Q/A, REVISED DRAWINGS, AND ADDITIONAL REQUESTED INFORMATION AS A RESULT OF THE 03/25/2009 MANDATORY PRE-BID MEETING.</p> <p>BID OPENING DATE AND TIME REMAIN UNCHANGED AS 04/22/09 AT 1:30 PM.</p> <p>*****<b>NO OTHER CHANGES</b>*****</p> |          |           |          |               |            |        |
| <b>0001</b>  | <b>1</b> | <b>JB</b> |          | <b>962-73</b> |            |        |
| <b>RECLAMATION: RESTORATION OF LAND &amp; OTHER PROPERTIES</b>   |          |           |          |               |            |        |

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

|           |           |      |
|-----------|-----------|------|
| SIGNATURE | TELEPHONE | DATE |
|-----------|-----------|------|

|       |      |                                   |
|-------|------|-----------------------------------|
| TITLE | FEIN | ADDRESS CHANGES TO BE NOTED ABOVE |
|-------|------|-----------------------------------|

WHEN RESPONDING TO RFQ, INSERT NAME AND ADDRESS IN SPACE ABOVE LABELED 'VENDOR'

**GENERAL TERMS & CONDITIONS  
REQUEST FOR QUOTATION (RFQ) AND REQUEST FOR PROPOSAL (RFP)**

1. Awards will be made in the best interest of the State of West Virginia.
2. The State may accept or reject in part, or in whole, any bid.
3. All quotations are governed by the *West Virginia Code* and the *Legislative Rules* of the Purchasing Division.
4. Prior to any award, the apparent successful vendor must be properly registered with the Purchasing Division and have paid the required \$125 fee.
5. All services performed or goods delivered under State Purchase Order/Contracts are to be continued for the term of the Purchase Order/Contracts, contingent upon funds being appropriated by the Legislature or otherwise being made available. In the event funds are not appropriated or otherwise available for these services or goods, this Purchase Order/Contract becomes void and of no effect after June 30.
6. Payment may only be made after the delivery and acceptance of goods or services.
7. Interest may be paid for late payment in accordance with the *West Virginia Code*.
8. Vendor preference will be granted upon written request in accordance with the *West Virginia Code*.
9. The State of West Virginia is exempt from federal and state taxes and will not pay or reimburse such taxes.
10. The Director of Purchasing may cancel any Purchase Order/Contract upon 30 days written notice to the seller.
11. The laws of the State of West Virginia and the *Legislative Rules* of the Purchasing Division shall govern all rights and duties under the Contract, including without limitation the validity of this Purchase Order/Contract.
12. Any reference to automatic renewal is hereby deleted. The Contract may be renewed only upon mutual written agreement of the parties.
13. **BANKRUPTCY:** In the event the vendor/contractor files for bankruptcy protection, this Contract may be deemed null and void, and terminated without further order.
14. **HIPAA BUSINESS ASSOCIATE ADDENDUM:** The West Virginia State Government HIPAA Business Associate Addendum (BAA), approved by the Attorney General, and available online at the Purchasing Division's web site (<http://www.state.wv.us/admin/purchase/vrc/hipaa.htm>) is hereby made part of the agreement. Provided that, the Agency meets the definition of a Cover Entity (45 CFR §160.103) and will be disclosing Protected Health Information (45 CFR §160.103) to the vendor.
15. **WEST VIRGINIA ALCOHOL & DRUG-FREE WORKPLACE ACT:** If this Contract constitutes a public improvement construction contract as set forth in Article 1D, Chapter 21 of the West Virginia Code ("The West Virginia Alcohol and Drug-Free Workplace Act"), then the following language shall hereby become part of this Contract: "The contractor and its subcontractors shall implement and maintain a written drug-free workplace policy in compliance with the West Virginia Alcohol and Drug-Free Workplace Act, as set forth in Article 1D, Chapter 21 of the West Virginia Code. The contractor and its subcontractors shall provide a sworn statement in writing, under the penalties of perjury, that they maintain a valid drug-free work place policy in compliance with the West Virginia and Drug-Free Workplace Act. It is understood and agreed that this Contract shall be cancelled by the awarding authority if the Contractor: 1) Fails to implement its drug-free workplace policy; 2) Fails to provide information regarding implementation of the contractor's drug-free workplace policy at the request of the public authority; or 3) Provides to the public authority false information regarding the contractor's drug-free workplace policy."

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**INSTRUCTIONS TO BIDDERS**

1. Use the quotation forms provided by the Purchasing Division.
2. **SPECIFICATIONS:** Items offered must be in compliance with the specifications. Any deviation from the specifications must be clearly indicated by the bidder. Alternates offered by the bidder as **EQUAL** to the specifications must be clearly defined. A bidder offering an alternate should attach complete specifications and literature to the bid. The Purchasing Division may waive minor deviations to specifications.
3. Complete all sections of the quotation form.
4. Unit prices shall prevail in case of discrepancy.
5. All quotations are considered F.O.B. destination unless alternate shipping terms are clearly identified in the quotation.
6. **BID SUBMISSION:** All quotations must be delivered by the bidder to the office listed below prior to the date and time of the bid opening. Failure of the bidder to deliver the quotations on time will result in bid disqualifications: Department of Administration, Purchasing Division, 2019 Washington Street East, P.O. Box 50130, Charleston, WV 25305-0130

2019 Washington Street, East  
P.O. Box 50130  
Charleston, WV 25305-0130  
Phone: (304) 558-2157  
Fax : (304) 558-4115

**WV Dept. of  
Administration  
Purchasing Division**

## MEMO

**To:** FILE  
**From:** Chuck Bowman, Buyer Supervisor  
charles.a.bowmanjr@wv.gov  
**Date:** 04/03/09  
**Re:** DEP14593

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This addendum contains full size engineering drawings that are not able to be scanned. To request a hard copy be delivered via the US Postal Service, please contact the Purchasing Division's Bid Request Line at 304.558.2063. Please reference the RFQ# above in your request of Addendum #1.

Sincerely,



Chuck Bowman

Buyer Supervisor

MANDATORY PRE-BID SIGN-IN ATTENDANCE SHEET

PRINT LEGIBLY

RFQ # : 14593 Bid Date: 4/22/09  
Project: Sundial (Hatfield) Refuse Pile Pre-Bid Date: 3/25/09

Name : DAVID H. BROWN  
Company: Green Mountain Co  
Address: 511 50th Street  
Clarksburg WV 26304  
Phone #: 304-925-0253  
Fax #: 304-925-9230  
Email : Jody.Mayer@GMC.com

Name : Steve Szabo  
Company: Per Contracting Inc.  
Address: P.O. Box 2442  
Clarksburg WV 26301  
Phone #: 304-622-2400  
Fax #: 304-622-2410  
Email : procon.szabo@perco.com

Name : MIKE EVANS  
Company: KANAWHA STONE Co  
Address: P.O. Box 503  
W. ITT20 WV 25143  
Phone #: 304-755-8271  
Fax #: 304-755-8274  
Email : MIKE.EVANS@KANAWHA  
STONE.COM

Name : JAMES ALLEN  
Company: JF ALLEN CO  
Address: P.O. Box 2049  
Buckhannon WV 26201  
Phone #: 304-472-8890  
Fax #: 304-472-8897  
Email :

Name : JAMES COOPER  
Company: Mountaineer Grading Co  
Address: PO Box 159  
Elkview WV 25071  
Phone #: 304-548-6800  
Fax #: 304-548-6900  
Email : James.Cooper@mountainegrading.net

Name : ANN WARDWILL  
Company: TRAYTAM AREA 4  
Address: PO Box 4108  
CHARLESTON WV  
25301  
Phone #: 304-414-0255  
Fax #: 0256  
Email :

Name : TOM PRESGRAVES  
Company: PHILLIPS construction LLC  
Address: 3649 Hwy 41A  
HENDERSON KY 42420  
Phone #: (304) 728-2854  
Fax #: (304) 724-6859  
Email : tpresgraves@phillipsllc.net

Name : BASIL CARPENTER  
Company: BASIL CARPENTER EX Inc  
Address: 333 A Fall Rd  
Clarksburg WV 26312  
Phone #: (304) 546-1601  
Fax #: 984-3528  
Email : Basil.Carpenter@AT&T.net.com

MANDATORY PRE-BID SIGN-IN ATTENDANCE SHEET

PRINT LEGIBLY

RFQ # : 14593 Bid Date: 4/22/09  
Project: Sundial (Hatfield) Reserve Pite Pre-Bid Date: 3/25/09

Name : Ashley Adkins  
Company: Aspen Corporation  
Address: 2400 River Drive  
Daniels WV 25832

Phone #: (304) 763-4573  
Fax #: (304) 763-4591  
Email : jadkins@aspen-golf.com

Name : BARBIE F. FORSTER  
Company: ENGLE CONTRACTORS  
Address: P.O. Box 339  
Winifred WV 25213

Phone #: 304-552-7781  
Fax #: 304-955-3150  
Email :

Name : Randy Carpenter  
Company: Carpenter Renovation  
Address: PO Box 13015  
Sissonville W.V. 25360

Phone #: 304-984-1115  
Fax #: 984-2770  
Email :

Name : DONALD CARTER  
Company: CARTER DEV.  
Address: 99 Riverstone Dr  
Poca W.V. 25159

Phone #: 304-757-4500  
Fax #: 304-757-4501  
Email : dencarter22@yahoo.com

Name : Spencer C Wooddell  
Company: COWGIRL UP INC.  
Address: PO Box 243  
Simpson, WVa 26435

Phone#: 304 739 4397  
Fax #: 304 739 4401  
Email : SCW - Cowgirlup@earthlink.net

Name : TROY M BRADY  
Company: TRIPLE T PAINT & EXC INC  
Address: Box 1290  
Pineville WV. 24874

Phone#: 304 732 8303  
Fax #: 304 732 7855  
Email :

Name : Thomas HART  
Company: LEXINGTON MINE RECONSTRUCTION  
Address: Graves - P.O. Box 89  
Cabin Creek WV  
25035

Phone#: 304-949-2372  
Fax #: 304 949-2975  
Email : thart@lexingtoncoal.com

Name : TIM SHIRES  
Company: DLI/SHIRES  
Address: P.O. Box 1259 Bluefield  
WV. 24701

Phone#: 304-323-1996  
Fax #: 304-323-3037  
Email : timshires@dlishires.com

MANDATORY PRE-BID SIGN-IN ATTENDANCE SHEET

PRINT LEGIBLY

RFQ # : 14593 Bid Date: 4/22/09  
Project: SENTRIA (HATFIELD) REFUSE PILE Pre-Bid Date: 3/25/09

Name : Roger L. Collins Jr.  
Company: Collins Building & Construction Inc.  
Address: 3406 Corby-Corn Rd  
Flatwoods, WV  
26041  
Phone #: 304-765-3521  
Fax #: 304-765-3521  
Email : Collins.Bldg@Hughes.NET

Name : \_\_\_\_\_  
Company: \_\_\_\_\_  
Address: \_\_\_\_\_  
Phone# : \_\_\_\_\_  
Fax # : \_\_\_\_\_  
Email : \_\_\_\_\_

Name : GARY COVEY  
Company: G.A. COVEY ENGINEERING  
Address: P.O. Box 185  
SUTTON WV 26001  
Phone #: 304 364 4100  
Fax #: 304 364 5100  
Email : GCovey@WVDSL.NET

Name : \_\_\_\_\_  
Company: \_\_\_\_\_  
Address: \_\_\_\_\_  
Phone# : \_\_\_\_\_  
Fax # : \_\_\_\_\_  
Email : \_\_\_\_\_

Name : \_\_\_\_\_  
Company: \_\_\_\_\_  
Address: \_\_\_\_\_

Name : \_\_\_\_\_  
Company: \_\_\_\_\_  
Address: \_\_\_\_\_

Phone #: \_\_\_\_\_  
Fax #: \_\_\_\_\_  
Email : \_\_\_\_\_

Phone# : \_\_\_\_\_  
Fax # : \_\_\_\_\_  
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Company: \_\_\_\_\_  
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Phone #: \_\_\_\_\_  
Fax #: \_\_\_\_\_  
Email : \_\_\_\_\_

Phone# : \_\_\_\_\_  
Fax # : \_\_\_\_\_  
Email : \_\_\_\_\_



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west virginia department of environmental protection

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Administrative Services  
601 57<sup>th</sup> Street, SE  
Charleston, WV 25304  
(304) 926-0499  
(304) 926-0452 FAX

Joe Manchin III, Governor  
Randy C. Huffman, Cabinet Secretary  
[www.wvdep.org](http://www.wvdep.org)

**MEMORANDUM**

**To:** Chuck Bowman, Buyer Supervisor  
West Virginia Purchasing Division

**From:** Jamie Adkins, Procurement Manager  
WV DEP Administrative Services

**Date:** April 7, 2009

**Subject:** RFQ # DEP 14593  
Sundial (Hatfield) Refuse Pile  
Addendum #1 continued

Item 1:

Q) For erosion control matting, is it permissible to provide "American Excelsior Curlex Enforcer" as a substitute for C350 (North American Green)?  
(Specifically, this is on page 22 of the specifications, item 6.2.5.2 Regraded Slopes)

A) Yes.

**REQ # DEP14593**  
**Sundial (Hatfield) Refuse Pile**  
**Addendum #1**

Item 1: Additional information concerning Item 11.0 of the specifications, demolition and removal of Abandoned Mine Structures, bid Items 11.1 and 11.2 (Contractors Bid Sheet). This information is included with this addendum.

Item 2: Contractor is to submit Erosion & Sediment control plan on the plan sheets during the pre-construction meeting.

Item 3: Q) Will access roads stay in?

A) Yes roads will stay in and be constructed as shown on plans. Roads shall be maintained throughout the construction period.

Item 4: Q) Is the miscellaneous riprap item a consistent thickness?

A) Yes, it is 2.5 ft and is shown on the plans.

Item 5: Q) Can we get a copy of the cut / fill balance sheets?

A) Yes, they will be included in the addendum.

Item 6: Q) The specifications show one hundred and fifty (150) days for construction purposes. Is this correct?

A) No, the contractor will have 365 calendar days to complete the project from said date.

Item 7: Q) Does DEP have permission from the property owner to transport heavy equipment across the bridge accessing the site?

A) No, the contractor must obtain his own approval from the landowner to place heavy equipment across the bridge. There is another access to the project which the contractor may utilize without crossing the bridge.

Item 8: Q) Is railroad protective liability insurance required for this project?

A) No, railroad liability insurance is not required.

Item 9: Q) Clarification on statement in specifications concerning no extra pay for additional excavation associated with extinguishing burning refuse.

A) Item 8.3.1 – Eliminate last sentence. “There shall be no extra pay for additional excavation and other construction methods associated with extinguishing burning coal refuse.”

Add: Excavating, extinguishing and replacing burning coal refuse shall be paid at the contract unit price for 8.1, Unclassified Excavation. Excavation quantities may go beyond planned template lines in order to extinguish burning material. Contractor will take cross-sections of burning area before and after excavation as per Specification 8.4. This method (excavation



beyond planned template) will require prior approval of the Engineer. Contractor shall also note that they shall be paid for the excavation only, not the embankment or replacement.

- Item 10: Q) Item 11.3.1, Contractor asked how asbestos removal and disposal can be their contractor's responsibility. How do we know what is here?
- A) Item 11.3.1 – 8<sup>th</sup> paragraphs, add sentence: “Contractor shall refer to Article III – General Conditions 3.0 Contractor Examination of Premises. Contractor shall follow this specification when dealing with ACM's or any other item on this project.
- Item 11: Q) Reference to note on miscellaneous regrading detail on plans: Is the seeding incidental to this item?
- A) No, seeding will fall under Item 6.2 Revegetation (per acre).
- Item 12: Q) Are the grading volumes based on a horizontal plan?
- A) Yes
- Item 13: Q) Are the riprap aprons incidental to the ditch items?
- A) Yes
- Item 14: Q) Can the riprap aprons be made a separate pay item?
- A) No
- Item 15: Q) What consideration is given to the spawning season for Hazy Creek?
- A) Contractor is responsible for obtaining a PCL permit which addresses construction during spawning season.

## Addendum

Additional information concerning item 11.0 of specifications, Demolition and Removal of Abandoned Mine Structures, bid items 11.1 and 11.2. (Contractor's Bid Sheet).

The following items are to be removed from the site and transported to a storage facility in Mount Hope, West Virginia. Care is to be taken not to destroy these items during removal and transport operations.

1. A minimum of four (4) panels from the hoist house that includes writing/signatures; see attached photographs 54, 54a and 53B.
2. Type 3 metal mine cars; see attached photographs 1, 2, 3, 5, and 6. See attached Figure 51.
3. Other mine cars; see attached photographs 11, 79, and 80.

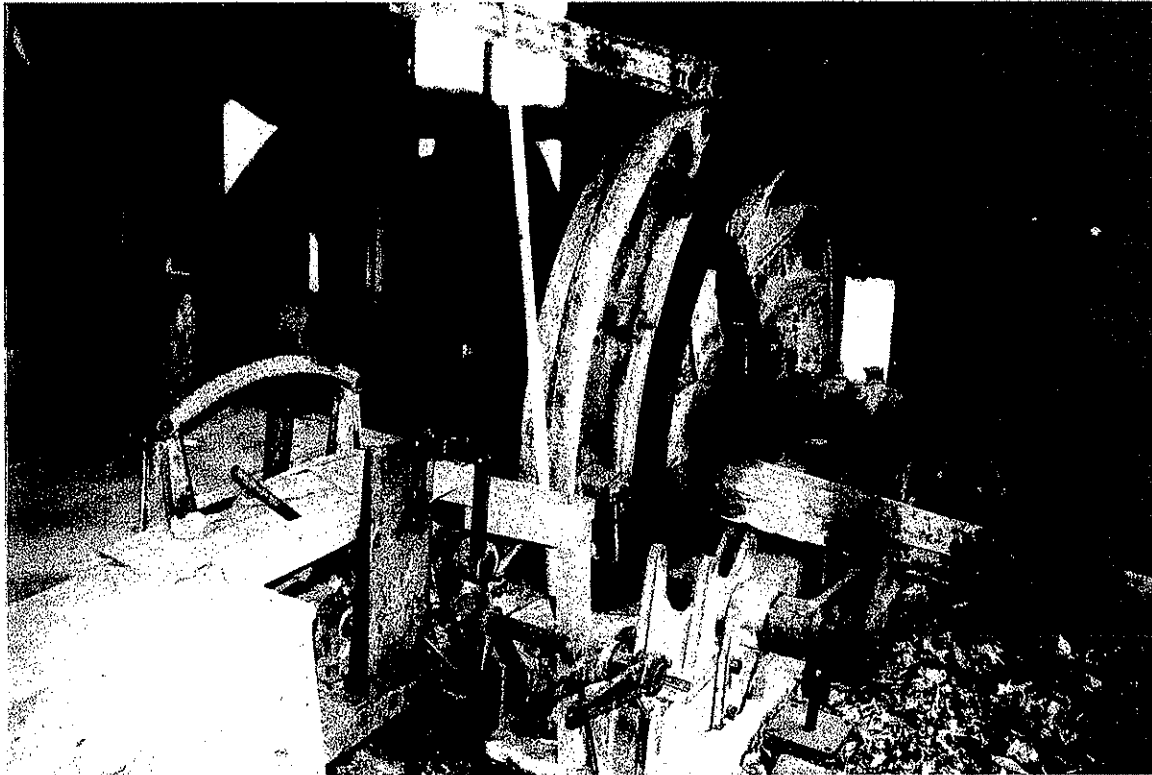
(Note; it is estimated that a total of eight (8) mine cars will be removed for items 2. & 3.)

4. Jeffery Coal Cutter; see attached photographs 50 and 51.

All the above items are located in areas that are difficult to access.

The distance to Mount Hope from the Sundial site is approximately forty (40) miles.

Contact person: Christy Bailey, Coal Heritage Highway Authority, ph 304 256-6941.



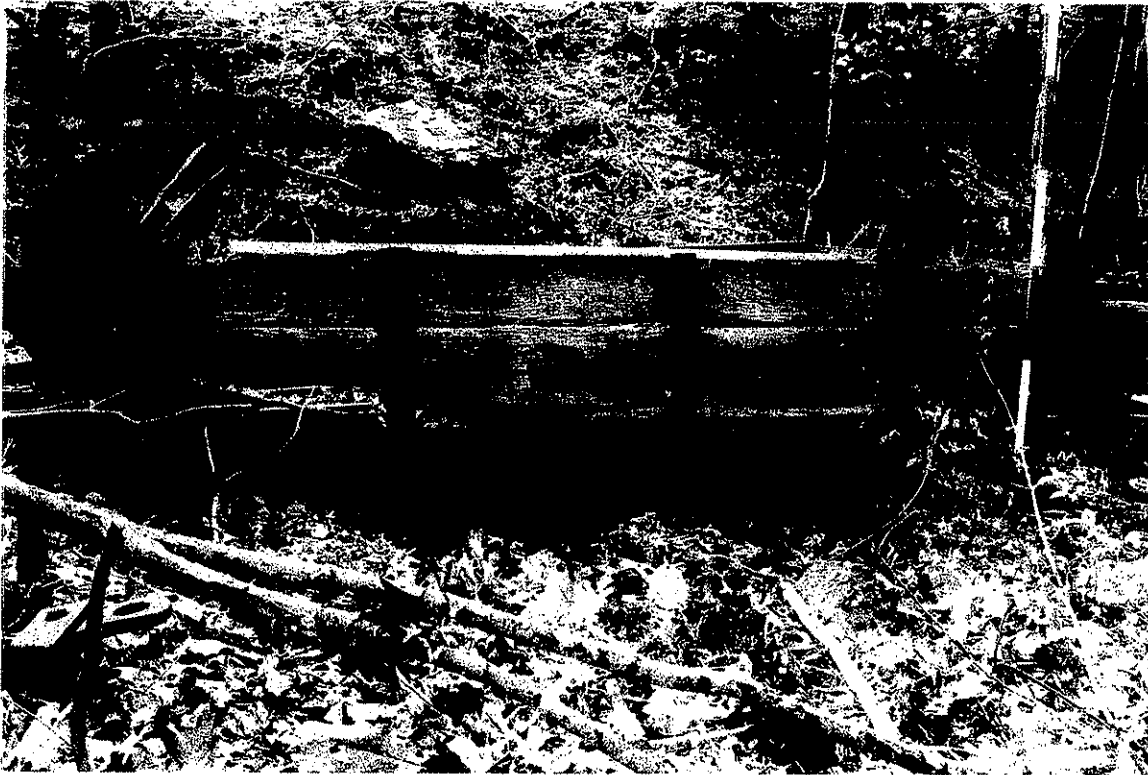
**Photograph 54**  
**Hoist Cable Drum Inside of Hoist House**  
**Also Visible Behind Drum is Hoist Brake System**

**Photograph 54a**  
**Interior View of Hoist House Showing**  
**Electrical Transformers and other Miscellaneous Items**





**Photograph 53B**  
**"Wheeling Steel Reg. U.S. Patent of Ohio Metal"**  
**Trademark Found on Interior Siding of Main Hoist House**



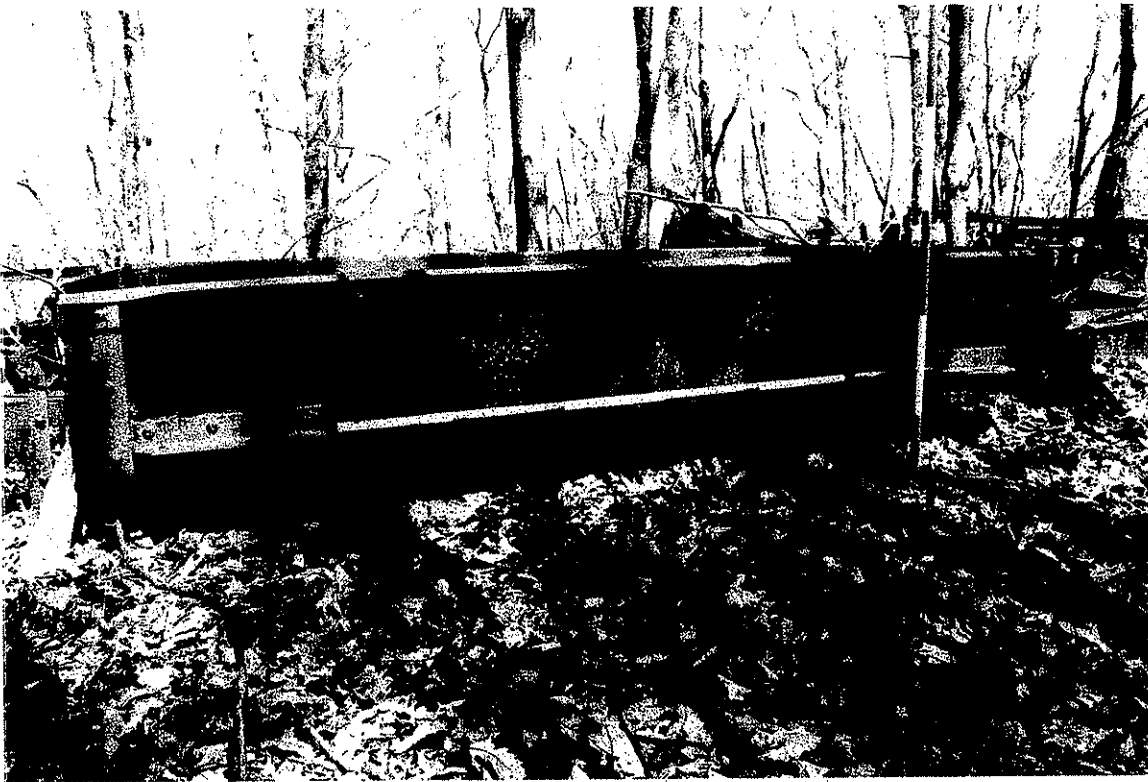
**Photograph 1**  
**Mine Car Type 1**



**Photograph 2**  
**Interior Metal Framework of Mine Car Type 1**



**Photograph 3**  
**Interior Metal Framework of Mine Car Type 2**



**Photograph 5**  
**Mine Car Type 3**



**Photograph 6**  
**Interior Detail of Mine Car Type 3**



Edwight Mine Car Type 3  
"Steel Colliery"

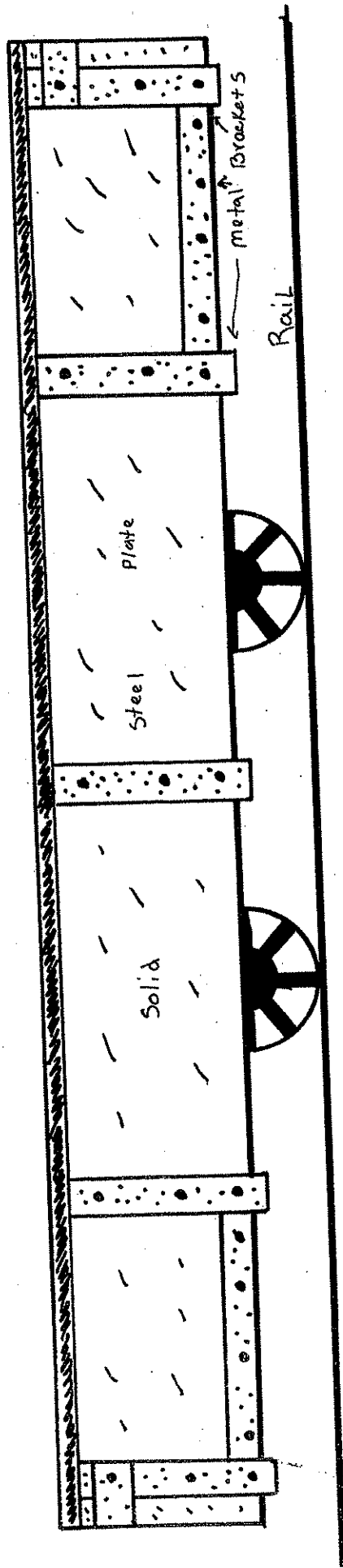
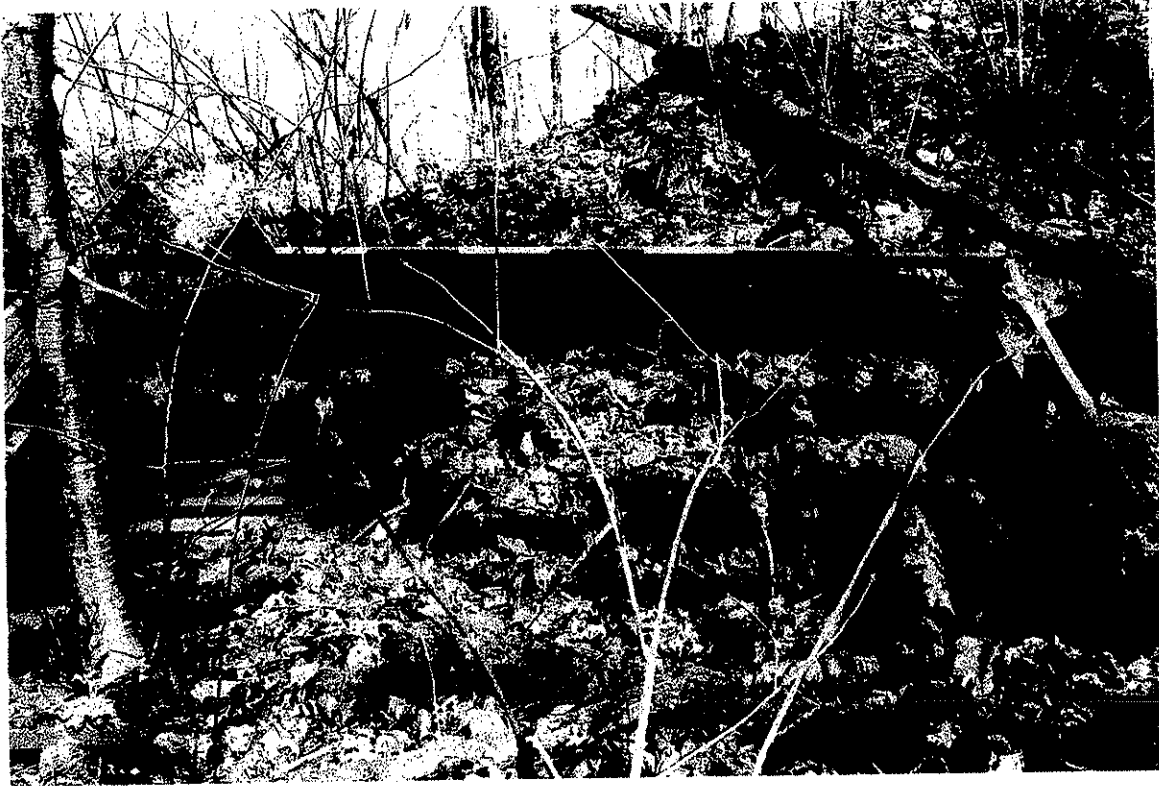


Figure 51

Profile Drawing of Mine Car Type 3, As Field Recorded

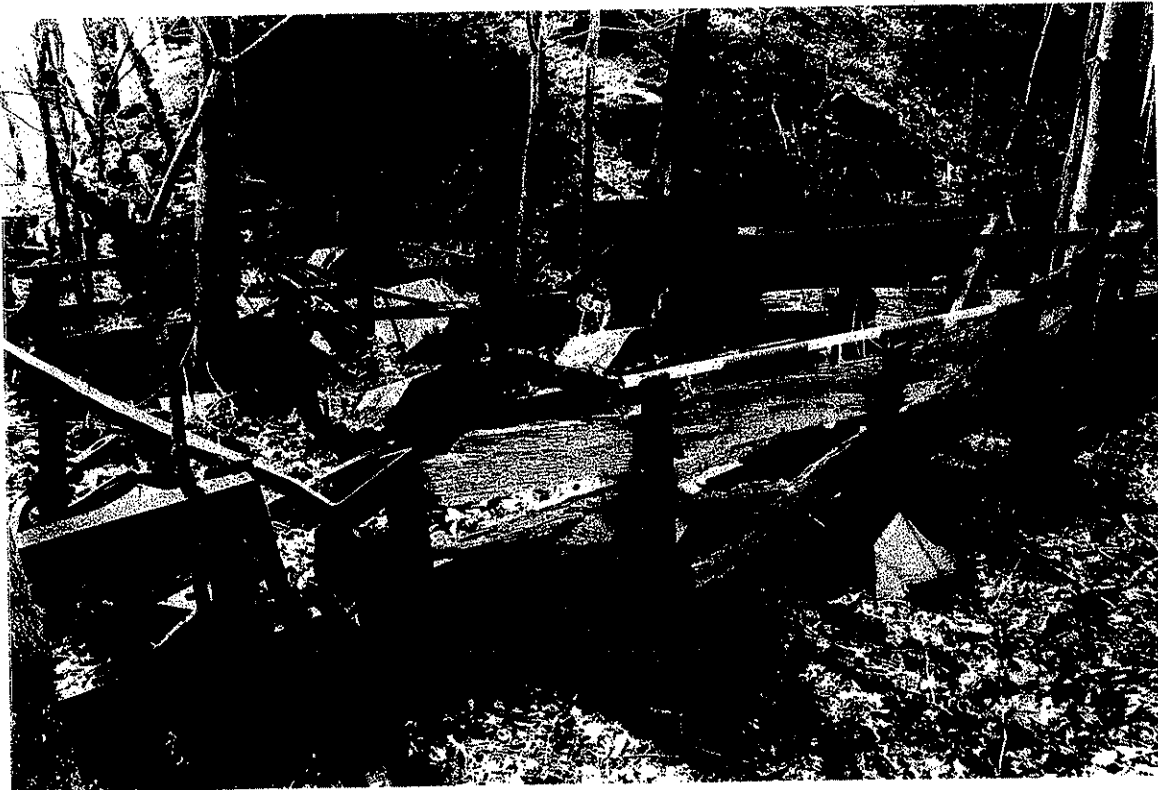




**Photograph 11**  
**Interior View of Car Type 5's Metal and Wood Framework**



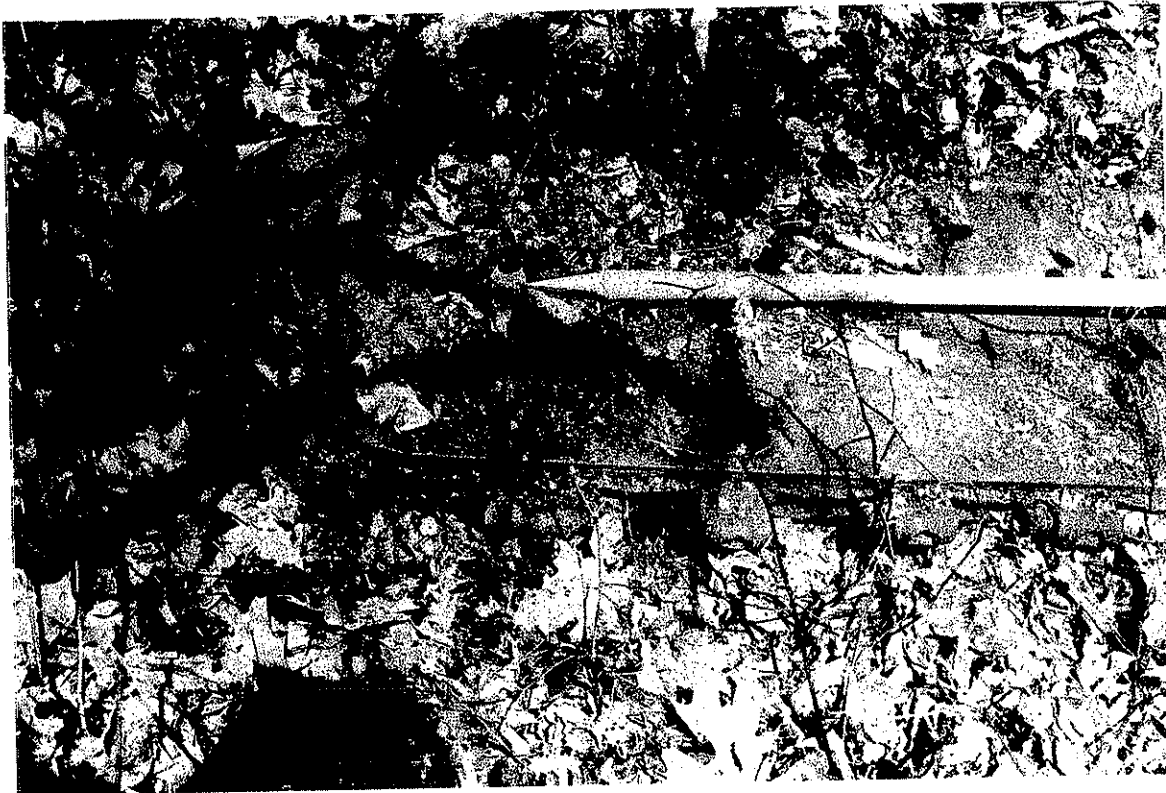
**Photograph 79**  
**Mine Car Type 3, *In Situ* Along Mine Bench D**



**Photograph 80**  
**Mine Car Type 1, *In Situ* Along Mine Bench D**



**Photograph 50**  
**Overall View of Jeffrey Coal Cutter**  
**Showing Cutting Bar and Motor**



**Photograph 51**  
**Detailed View of Cutting Bar Showing Cutting Chain Without Teeth**

Summary of Excavation and Fill Computations  
Sundial (Hatfield) Refuse Pile

| Baseline | Excavation (CY) | Fill (CY) | Pile          |
|----------|-----------------|-----------|---------------|
| A        | 40,004          | 42,694    | A             |
| B        | 84,069          | 66,227    | B             |
| C        | 48,296          | 22,839    | C             |
| D        | 23,589          | 26,263    | C             |
| E        | 5,494           | 2,306     | C             |
| F        | 75,466          | 0         | D             |
| G        | 33,415          | 0         | Valley Fill D |
| H        | 0               | 147,824   | Valley Fill D |
| Totals   | 310,333         | 308,153   |               |

Baseline A

| STA  | FILL      |                   |               |             |                        | CUT       |                   |               |             |                        |
|------|-----------|-------------------|---------------|-------------|------------------------|-----------|-------------------|---------------|-------------|------------------------|
|      | Area (SF) | Average Area (SF) | Distance (FT) | Volume (CF) | Cumulative Volume (CF) | Area (SF) | Average Area (SF) | Distance (FT) | Volume (CF) | Cumulative Volume (CF) |
| 0+00 | 2,970     | 3251.50           | 50            | 162,575     | 162,575                | 642       | 1574.5            | 50            | 78,725      | 78,725                 |
| 0+50 | 3,533     | 3654.00           | 50            | 182,700     | 345,275                | 2,507     | 3799              | 50            | 189,950     | 268,675                |
| 1+00 | 3,775     | 3589.00           | 50            | 179,450     | 524,725                | 5,091     | 4149.5            | 50            | 207,475     | 476,150                |
| 1+50 | 3,403     | 3003.00           | 50            | 150,150     | 674,875                | 3,208     | 2526              | 50            | 126,300     | 602,450                |
| 2+00 | 2,603     | 2524.50           | 50            | 126,225     | 801,100                | 1,844     | 2255              | 50            | 112,750     | 715,200                |
| 2+50 | 2,446     | 2153.00           | 50            | 107,650     | 908,750                | 2,666     | 2616              | 50            | 130,800     | 846,000                |
| 3+00 | 1,860     | 1487.50           | 50            | 74,375      | 983,125                | 2,566     | 2505              | 50            | 125,250     | 971,250                |
| 3+50 | 1,115     | 1078.00           | 50            | 53,900      | 1,037,025              | 2,444     | 1629.5            | 50            | 81,475      | 1,052,725              |
| 4+00 | 1,041     | 1162.00           | 50            | 58,100      | 1,095,125              | 815       | 477.5             | 50            | 23,875      | 1,076,600              |
| 4+50 | 1,283     | 1152.50           | 50            | 57,625      | 1,152,750              | 140       | 70                | 50            | 3,500       | 1,080,100              |
| 5+00 | 1,022     |                   |               |             |                        | 0         |                   |               |             |                        |
|      |           |                   |               |             | CY = 42,694            |           |                   |               |             | CY = 40,004            |

CUT/FILL VOLUMES

Project No. 02-0311  
 Sundial (Hatfield) Refuse Pile  
 Raleigh County, West Virginia

Baseline B

| STA  | FILL      |                   |               |             |                        | CUT       |                   |               |             |                        |
|------|-----------|-------------------|---------------|-------------|------------------------|-----------|-------------------|---------------|-------------|------------------------|
|      | Area (SF) | Average Area (SF) | Distance (FT) | Volume (CF) | Cumulative Volume (CF) | Area (SF) | Average Area (SF) | Distance (FT) | Volume (CF) | Cumulative Volume (CF) |
| 0+00 | 111       | 85.50             | 50            | 4,275       | 4,275                  | 8,611     | 11522             | 50            | 576,100     | 576,100                |
| 0+50 | 60        | 281.00            | 50            | 14,050      | 18,325                 | 14,433    | 13564             | 50            | 678,200     | 1,254,300              |
| 1+00 | 502       | 771.50            | 50            | 38,575      | 56,900                 | 12,695    | 10206             | 50            | 510,300     | 1,764,600              |
| 1+50 | 1,041     | 1375.50           | 50            | 68,775      | 125,675                | 7,717     | 4689.5            | 50            | 234,475     | 1,999,075              |
| 2+00 | 1,710     | 1979.00           | 50            | 98,950      | 224,625                | 1,662     | 1305              | 50            | 65,250      | 2,064,325              |
| 2+50 | 2,248     | 2040.00           | 50            | 102,000     | 326,625                | 948       | 1000.5            | 50            | 50,025      | 2,114,350              |
| 3+00 | 1,832     | 2743.50           | 50            | 137,175     | 463,800                | 1,053     | 526.5             | 50            | 26,325      | 2,140,675              |
| 3+50 | 3,655     | 4236.00           | 50            | 211,800     | 675,600                | 0         | 0                 | 50            | 0           | 2,140,675              |
| 4+00 | 4,817     | 5135.00           | 50            | 256,750     | 932,350                | 0         | 235               | 50            | 11,750      | 2,152,425              |
| 4+50 | 5,453     | 5655.50           | 50            | 282,775     | 1,215,125              | 470       | 521               | 50            | 26,050      | 2,178,475              |
| 5+00 | 5,858     | 5486.00           | 50            | 274,300     | 1,489,425              | 572       | 578               | 50            | 28,900      | 2,207,375              |
| 5+50 | 5,114     | 3622.50           | 50            | 181,125     | 1,670,550              | 584       | 543               | 50            | 27,150      | 2,234,525              |
| 6+00 | 2,131     | 1620.50           | 50            | 81,025      | 1,751,575              | 502       | 418.5             | 50            | 20,925      | 2,255,450              |
| 6+50 | 1,110     | 731.00            | 50            | 36,550      | 1,788,125              | 335       | 288.5             | 50            | 14,425      | 2,269,875              |
| 7+00 | 352       |                   |               |             |                        | 242       |                   |               |             |                        |
|      |           |                   |               | CY = 66,227 |                        |           |                   |               | CY = 84,069 |                        |



**Baseline C**

| STA  | FILL      |                   |               |                    |                        | CUT       |                   |               |                    |                        |
|------|-----------|-------------------|---------------|--------------------|------------------------|-----------|-------------------|---------------|--------------------|------------------------|
|      | Area (SF) | Average Area (SF) | Distance (FT) | Volume (CF)        | Cumulative Volume (CF) | Area (SF) | Average Area (SF) | Distance (FT) | Volume (CF)        | Cumulative Volume (CF) |
| 0+00 | 1,329     | 1138.00           | 50            | 56,900             | 56,900                 | 2,282     | 3021.5            | 50            | 151,075            | 151,075                |
| 0+50 | 947       | 1602.50           | 50            | 80,125             | 137,025                | 3,761     | 3633.5            | 50            | 181,675            | 332,750                |
| 1+00 | 2,258     | 1784.00           | 50            | 89,200             | 226,225                | 3,506     | 5146.5            | 50            | 257,325            | 590,075                |
| 1+50 | 1,310     | 1547.50           | 50            | 77,375             | 303,600                | 6,787     | 5820.5            | 50            | 291,025            | 881,100                |
| 2+00 | 1,785     | 976.00            | 50            | 48,800             | 352,400                | 4,854     | 5150              | 50            | 257,500            | 1,138,600              |
| 2+50 | 167       | 525.00            | 50            | 26,250             | 378,650                | 5,446     | 2918              | 50            | 145,900            | 1,284,500              |
| 3+00 | 883       | 1631.50           | 50            | 81,575             | 460,225                | 390       | 292.5             | 50            | 14,625             | 1,299,125              |
| 3+50 | 2,380     | 3128.50           | 50            | 156,425            | 616,650                | 195       | 97.5              | 50            | 4,875              | 1,304,000              |
| 4+00 | 3,877     |                   |               |                    |                        | 0         |                   |               |                    |                        |
|      |           |                   |               | <b>CY = 22,839</b> |                        |           |                   |               | <b>CY = 48,296</b> |                        |

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 Raleigh County, West Virginia

Baseline D

| STA  | FILL      |                   |               |             |                        | CUT       |                   |               |             |                        |
|------|-----------|-------------------|---------------|-------------|------------------------|-----------|-------------------|---------------|-------------|------------------------|
|      | Area (SF) | Average Area (SF) | Distance (FT) | Volume (CF) | Cumulative Volume (CF) | Area (SF) | Average Area (SF) | Distance (FT) | Volume (CF) | Cumulative Volume (CF) |
| 0+00 | 0         | 111.50            | 50            | 5,575       | 5,575                  | 0         | 1116              | 50            | 55,800      | 55,800                 |
| 0+50 | 223       | 2213.00           | 50            | 110,650     | 116,225                | 2,232     | 1516              | 50            | 75,800      | 131,600                |
| 1+00 | 4,203     | 3227.00           | 50            | 161,350     | 277,575                | 800       | 1790              | 50            | 89,500      | 221,100                |
| 1+50 | 2,251     | 2427.50           | 50            | 121,375     | 398,950                | 2,780     | 2408              | 50            | 120,400     | 341,500                |
| 2+00 | 2,604     | 2278.00           | 50            | 113,900     | 512,850                | 2,036     | 1366.5            | 50            | 68,325      | 409,825                |
| 2+50 | 1,952     | 1227.00           | 50            | 61,350      | 574,200                | 697       | 962               | 50            | 48,100      | 457,925                |
| 3+00 | 502       | 1204.50           | 50            | 60,225      | 634,425                | 1,227     | 697               | 50            | 34,850      | 492,775                |
| 3+50 | 1,907     | 1223.50           | 50            | 61,175      | 695,600                | 167       | 288               | 50            | 14,400      | 507,175                |
| 4+00 | 540       | 270.00            | 50            | 13,500      | 709,100                | 409       | 1181              | 50            | 59,050      | 566,225                |
| 4+50 | 0         | 0.00              | 50            | 0           | 709,100                | 1,953     | 1413.5            | 50            | 70,675      | 636,900                |
| 5+00 | 0         |                   |               |             |                        | 874       |                   |               |             |                        |
|      |           |                   |               | CY = 26,263 |                        |           |                   |               | CY =        | 23,589                 |

Baseline E

| STA  | FILL      |                   |               |             |                        | CUT       |                   |               |                   |                        |
|------|-----------|-------------------|---------------|-------------|------------------------|-----------|-------------------|---------------|-------------------|------------------------|
|      | Area (SF) | Average Area (SF) | Distance (FT) | Volume (CF) | Cumulative Volume (CF) | Area (SF) | Average Area (SF) | Distance (FT) | Volume (CF)       | Cumulative Volume (CF) |
| 0+00 | 223       | 111.50            | 50            | 5,575       | 5,575                  | 558       | 1162.5            | 50            | 58,125            | 58,125                 |
| 0+50 | 0         | 83.50             | 50            | 4,175       | 9,750                  | 1,767     | 1274              | 50            | 63,700            | 121,825                |
| 1+00 | 167       | 567.00            | 50            | 28,350      | 38,100                 | 781       | 460.5             | 50            | 23,025            | 144,850                |
| 1+50 | 967       | 483.50            | 50            | 24,175      | 62,275                 | 140       | 70                | 50            | 3,500             | 148,350                |
| 2+00 | 0         | 0.00              | 50            | 0           | 62,275                 | 0         | 0                 | 50            | 0                 | 148,350                |
| 2+50 | 0         | 0.00              | 50            | 0           | 62,275                 | 0         | 0                 | 50            | 0                 | 148,350                |
| 3+00 | 0         |                   |               |             | <b>CY = 2,306</b>      | 0         |                   |               | <b>CY = 5,494</b> |                        |

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Baseline F

| STA  | FILL      |                   |               |             |                        | CUT       |                   |               |             |                        |
|------|-----------|-------------------|---------------|-------------|------------------------|-----------|-------------------|---------------|-------------|------------------------|
|      | Area (SF) | Average Area (SF) | Distance (FT) | Volume (CF) | Cumulative Volume (CF) | Area (SF) | Average Area (SF) | Distance (FT) | Volume (CF) | Cumulative Volume (CF) |
| 0+00 | 0         | 0.00              | 50            | 0           | 0                      | 4,669     | 6119.5            | 50            | 305,975     | 305,975                |
| 0+50 | 0         | 0.00              | 50            | 0           | 0                      | 7,570     | 8779              | 50            | 438,950     | 744,925                |
| 1+00 | 0         | 0.00              | 50            | 0           | 0                      | 9,988     | 9699.5            | 50            | 484,975     | 1,229,900              |
| 1+50 | 0         | 0.00              | 50            | 0           | 0                      | 9,411     | 8681              | 50            | 434,050     | 1,663,950              |
| 2+00 | 0         | 0.00              | 50            | 0           | 0                      | 7,951     | 5724              | 50            | 286,200     | 1,950,150              |
| 2+50 | 0         | 0.00              | 50            | 0           | 0                      | 3,497     | 1748.5            | 50            | 87,425      | 2,037,575              |
| 3+00 | 0         |                   |               |             | <b>CY = 0</b>          | 0         |                   |               |             | <b>CY = 75,466</b>     |

CUT/FILL VOLUMES

Baseline G

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| STA  | FILL      |                   |               |             |                        | CUT       |                   |               |             |                        |
|------|-----------|-------------------|---------------|-------------|------------------------|-----------|-------------------|---------------|-------------|------------------------|
|      | Area (SF) | Average Area (SF) | Distance (FT) | Volume (CF) | Cumulative Volume (CF) | Area (SF) | Average Area (SF) | Distance (FT) | Volume (CF) | Cumulative Volume (CF) |
| 0+00 | 0         | 0.00              | 50            | 0           | 0                      | 0         | 1851              | 50            | 92,550      | 92,550                 |
| 0+50 | 0         | 0.00              | 50            | 0           | 0                      | 3,702     | 7222              | 50            | 361,100     | 453,650                |
| 1+00 | 0         | 0.00              | 50            | 0           | 0                      | 10,742    | 7171              | 50            | 358,550     | 812,200                |
| 1+50 | 0         | 0.00              | 50            | 0           | 0                      | 3,600     | 1800              | 50            | 90,000      | 902,200                |
| 2+00 | 0         |                   |               |             |                        | 0         |                   |               |             |                        |
|      |           |                   |               |             | CY = 0                 |           |                   |               |             | CY = 33,415            |

CUT/FILL VOLUMES

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Baseline H

| STA  | FILL      |                   |               |             | CUT                    |           |                   |               |             |                        |
|------|-----------|-------------------|---------------|-------------|------------------------|-----------|-------------------|---------------|-------------|------------------------|
|      | Area (SF) | Average Area (SF) | Distance (FT) | Volume (CF) | Cumulative Volume (CF) | Area (SF) | Average Area (SF) | Distance (FT) | Volume (CF) | Cumulative Volume (CF) |
| 0+00 | 0         | 0.00              | 50            | 0           | 0                      | 0         | 0                 | 50            | 0           | 0                      |
| 0+50 | 0         | 3354.00           | 50            | 167,700     | 167,700                | 0         | 0                 | 50            | 0           | 0                      |
| 1+00 | 6,708     | 15518.50          | 50            | 775,925     | 943,625                | 0         | 0                 | 50            | 0           | 0                      |
| 1+50 | 24,329    | 26217.00          | 50            | 1,310,850   | 2,254,475              | 0         | 0                 | 50            | 0           | 0                      |
| 2+00 | 28,105    | 22924.50          | 50            | 1,146,225   | 3,400,700              | 0         | 0                 | 50            | 0           | 0                      |
| 2+50 | 17,744    | 10341.50          | 50            | 517,075     | 3,917,775              | 0         | 0                 | 50            | 0           | 0                      |
| 3+00 | 2,939     | 1469.50           | 50            | 73,475      | 3,991,250              | 0         | 0                 | 50            | 0           | 0                      |
| 3+50 | 0         |                   |               |             | <b>CY = 147,824</b>    | 0         |                   |               | <b>CY =</b> | <b>0</b>               |

Summary

| Pile | Baseline | FILL (CY) | CUT (CY) |
|------|----------|-----------|----------|
| A    | A        | 42,694    | 40,004   |
| B    | B        | 66,227    | 84,069   |
| C    | C        | 22,839    | 48,296   |
|      | D        | 26,263    | 23,589   |
|      | E        | 2,306     | 5,494    |
| D    | F        | 0         | 75,466   |
|      | G        | 0         | 33,415   |
| VFD  | H        | 147,824   | 0        |
|      | SUM =    | 308,154   | 310,333  |