

EXHIBIT U

Commonwealth of Pennsylvania
Department of Mines and Mineral Industries

MD Pollution Abatement Measures for the Beech Creek Watershed

MD DISCHARGE POINTS AFFECTED BY THE RECOMMENDED ABATEMENT PLAN

| <u>Abatement Measures (1)</u> | <u>Discharge Point Eliminated (2)</u> | <u>Discharge Point Reduced (2)</u> | <u>Discharge Point Treated (2)</u> | <u>Design Average Pollution Loads Abated</u> | | |
|--|---------------------------------------|------------------------------------|------------------------------------|--|------------------------|------------------------|
| | | | | <u>Volume (gpm)</u> | <u>Iron (lbs./day)</u> | <u>Acid (lbs./day)</u> |
| Preventive Measures, Complex A | | | | | | |
| 1. Restore B-20 and reconstruct BB | | 93 | | 289.0 | 156.00 | 624.0 |
| 2. Reconstruct AA and construct diversion ditches around S-57 and across S-55 | | 60 | | 90.0 | 59.00 | 270.0 |
| 3. Construct diversion ditch across S-8 and close D-2 | | 11 | | 2.0 | 6.00 | 50.0 |
| 4. Restore S-41 | 46 | | | 216.0 | 39.00 | 1,040.0 |
| 5. Restore S-110 | 86 | | | 195.0 | 17.60 | 351.0 |
| 6. Restore S-115 | 96, 97 | | | 89.2 | 7.41 | 270.2 |
| 7. Restore S-119, S-121, south portion of S-133, and move R-19 | 105, 106 | | | 743.7 | 245.07 | 7,111.3 |
| Preventive Measures, Complex C | | | | | | |
| 1. Excavate and restore deep mined area behind D-70 and D-71, including B-30 | 131 | | | 64.7 | 93.20 | 543.0 |
| 2. Construct peripheral seal around deep mine workings, restore B-31 and restore parts of S-151, S-152 and S-154 | 145, 146, 148, 149, 150, 151, 152 | | | 261.6 | 41.35 | 1,893.1 |
| 3. Restore S-84 | 78, 79 | | | 40.4 | 20.07 | 452.0 |
| 4. Restore S-120 and remove R-20 and R-21 | 110, 113 | | | 237.6 | 23.98 | 1,590.9 |
| 5. Restore S-126 | 111, 114 | | | 133.4 | 39.96 | 1,279.4 |
| 6. Restore S-129 and part of S-128 | 118, 119, 120, 121 | | | 100.9 | 4.77 | 442.5 |
| 7. Restore S-130 | 122 | | | 162.0 | 14.60 | 904.0 |

Exhibit U (Continued)

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| <u>Abatement Measures (1)</u> | <u>Discharge Point Eliminated (2)</u> | <u>Discharge Point Reduced (2)</u> | <u>Discharge Point Treated (2)</u> | <u>Design Average Pollution Loads Abated</u> | | |
|---|---------------------------------------|------------------------------------|--|--|------------------------|------------------------|
| | | | | <u>Volume (gpm)</u> | <u>Iron (lbs./day)</u> | <u>Acid (lbs./day)</u> |
| 8. Restore S-131 | 123, 124, 125, 126, 127 | | | 181.8 | 131.57 | 1,873.8 |
| 9. Restore part of S-149 | 135 | | | 20.2 | 1.94 | 242.0 |
| 10. Restore S-150 | 137, 138, 140, 141 | | | 24.9 | 22.53 | 493.8 |
| 11. Restore part of S-153 | 144 | | | 10.1 | 9.09 | 273.0 |
| Preventive Measures, Complex E | | | | | | |
| 1. Neutralize S-184 | 179, 180, 181, 182 | | | 829.7 | 9.19 | 1,693.6 |
| Preventive Measures, Complex D | | | | | | |
| 1. Restore parts of S-160 and S-161 on the south side of Kato-Orviston Road, restore S-159 and remove R-29 and R-30 | 157, 158 | | | 216.0 | 4.15 | 1,296.0 |
| 2. Restore S-166, S-167 and S-168 | 167, 168, 169, 172, 173, 174 | 166 | | 267.5 | 40.98 | 1,063.8 |
| Subtotal | | | | 4,175.7 | 987.46 | 23,757.4 |
| Treatment Measures, Complex A | | | 3, 4, 5, 11, 16, 56, 57, 58, 59, 60, 64, 65, 66, 67, 90, 91 92, 93 | 910.7 | 890.65 | 6,130.2 |
| Treatment Measures, Complex C | | | 112, 115, 116, 117, 129, 139 | 2,964.2 | 1,245.76 | 15,848.8 |
| Treatment Measures, Complex B | | | 99, 100, 101, 102, 103, 104 | 112.1 | 1.58 | 242.3 |
| Subtotal | | | | 3,987.0 | 2,137.99 | 22,221.3 |
| Total | | | | 8,162.7 | 3,125.45 | 45,978.7 |

(1) See Plates IV-A and IV-B for location of Abatement Measures.

(2) See Plates IV-A and IV-B for location of affected MD Discharge Points.