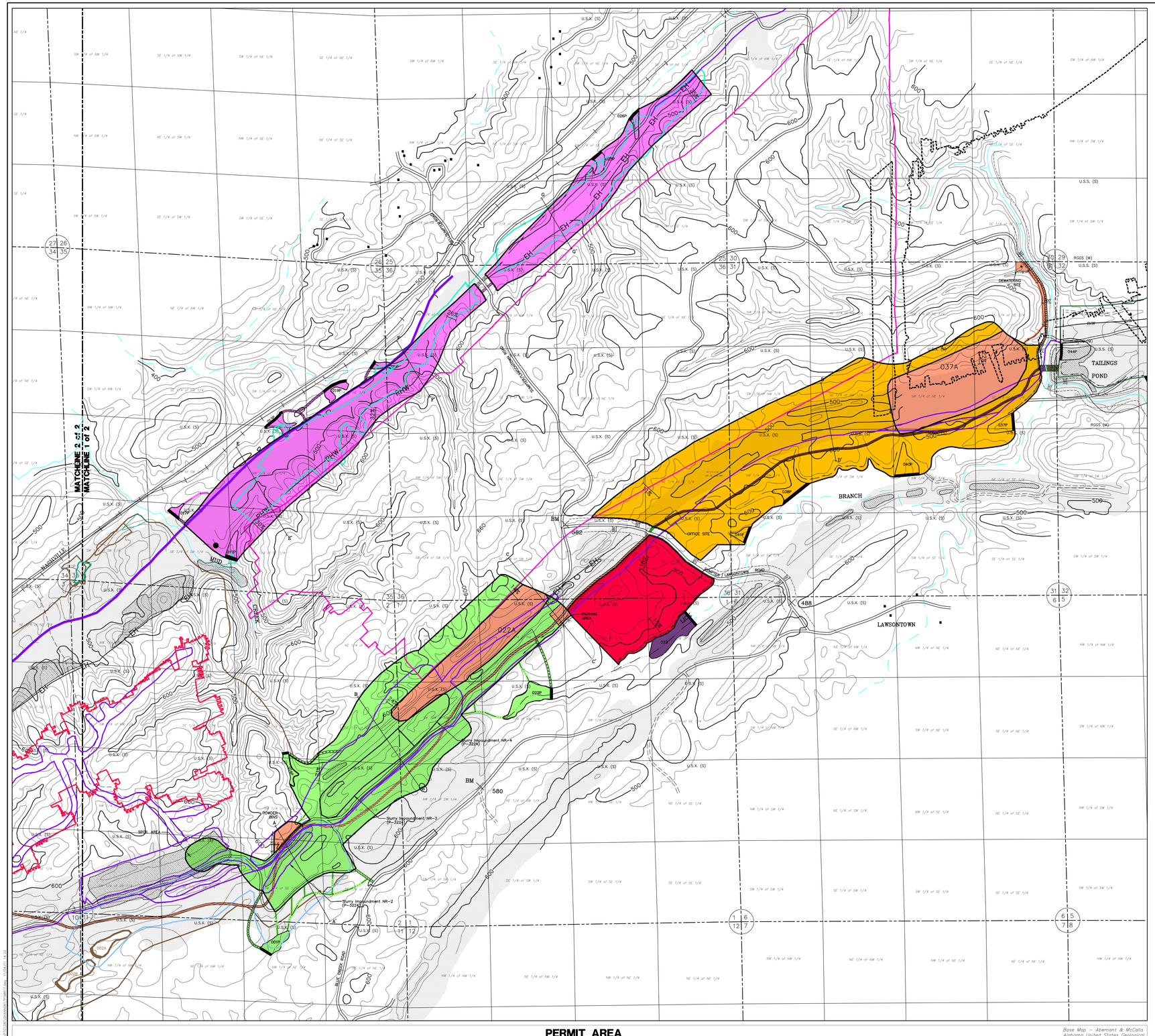
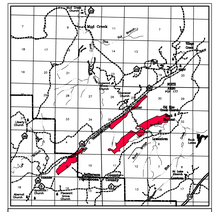


PERMIT AREA

SCALE: 1" = 500'
CONTOUR INTERVAL = 20'

Base Map – Abernant & McCalla Alabama United States Geological Survey Quadrangle Map.



VICINITY MAP

Scale: 1" = 2 Miles

LEGEND

- Permit Boundary
- Previously Surface Mined by Others
- Occupied Dwelling
- Unoccupied Dwelling
- Surface Contour
- Sediment Basin
- Natural Drainage Course
- Perennial Stream
- Intermittent Stream
- Drainage Divide
- Diversion Ditch, Berm, or Low Wall
- County Road (Paved unless otherwise designated)
- Road (Private unless otherwise shown)
- Haulroad
- Ancillary Road
- Impounded Water
- Property Line other than Forty Line
- (M) Indicates Mineral Ownership
- (S) Indicates Surface Ownership
- Slope Measurements
- Reclamation Cross-Section
- Coal Boundary
- Coal Stockpile, Location Subject to Change
- Powerline
- Monitoring Well
- Current Highwall as of 2-21-11
- A.S.M.C. Permit P-3699
- A.S.M.C. Permit P-3224
- A.S.M.C. Permit P-3483
- A.S.M.C. Permit P-3438
- A.S.M.C. Permit P-3925
- Shannon Underground Works
- Sumter Underground Works
- Black Diamond Underground Works
- Silt Fence
- Pumpline

NOTES

1) No Buildings Within 1000' of Permit Area Other Than Shown.
2) Surface and Mineral Ownership is shown by 1/4-1/4 Sections unless otherwise noted.
3) No Topsoil Stockpiles are Shown due to a Request for a Topsoil Variance.
4) This site is within the Jefferson & Tuscaloosa County Sheriff's jurisdiction and is not within a municipality.
5) U.S.X. represents US Steel Corporation.
6) All Mineral Ownership is ROGG Land And Mineral. Ltd., L.p. unless otherwise shown.

SMALL SURFACE OWNERS

S-1 MILDRED GOODWIN, ETAL
S-2 EVELYN JOYCE CRISS
S-3 LARRY LYNN CRISS
S-4 RONEY LEE CRISS
S-5 DANE CRISS, JR., ETUX
S-6 SE'NOURINE WAYNE CRISS
S-7 JOYCE ELIZABETH EMERY
S-8 MICHAEL EDWARD CRISS
S-9 CHRISTY KAY CRISS FIELDS
S-10 ANTHONY ESTES & JANET JACOBS
S-11 ARLAS STANLEY CAFFEE

BOND LEGEND

Area bonded under Increment No. 1, 102 Acres
- 91 Acres Mining Area & Coal Stockpiles
- 2.0 Acres for Basin 001 Drainage Courses & Access
- 1.0 Acres for Access Roads
- 8.0 Acres for Spoil Area from P-3699

Area bonded under Increment No. 2, 201 Acres
- 187.0 Acres Mining Area & Coal Stockpiles
- 11.0 Acres for Basins 022, 024, 036, & 038, Drainage Courses & Access
- 3.0 Acres for Access Roads

Area bonded under Increment No. 3, 60.0 Acres
- 51.0 Acres Mining Area & Coal Stockpiles
- 8.0 Acres for Basins 003, Drainage Courses & Access
- 1.0 Acres for Access Roads

Area bonded under Increment No. 4, 171.0 Acres
- 160.0 Acres Mining Area & Coal Stockpiles
- 10.0 Acres for Basins 012, 013, 017, 019, 020, 025, 026 Drainage Courses & Access
- 1.0 Acres for Access Roads

Area bonded under Increment No. 5, 108.0 Acres
- 98.0 Acres Mining Area & Coal Stockpiles
- 9.0 Acres for Basins 004, 006 & 021
- 1.0 Acres for Access Roads

Total Permit Area 622.0 Acres

POST REVISION R-17 BOND LEGEND

Area bonded under Increment No. 1, 167.0 Acres
- 148.0 Acres Mining Area & Coal Stockpiles
- 11.0 Acres for Basin 001, 014, 022 Drainage Courses & Access
- 8.0 Acres for Spoil Area from P-3699

Area bonded under Increment No. 2, 211.0 Acres
- 191.0 Acres Mining Area, Coal Stockpiles & Office Area
- 11.0 Acres for Basins 037, 038, 040 & 041, Drainage Courses & Access
- 1.0 Acres for Access Roads
- 8.0 Acres for Office, Scale and Coal Stockpile Area

Area bonded under Increment No. 3, 67.0 Acres
- 67.0 Acres Mining Area & Coal Stockpiles

Area bonded under Increment No. 4, 183.0 Acres
- 168.0 Acres Mining Area & Coal Stockpiles
- 14.0 Acres for Basins 012, 013, 017, 019, 020, 025, 026 & Drainage Courses & Access
- 1.0 Acres for Access Roads

Area bonded under Increment No. 5, 102.0 Acres
- 99.0 Acres Mining Area & Coal Stockpiles
- 3.0 Acres for Access Roads

Area bonded under Increment No. 6, 250.0 Acres
- 48.0 Acres Coal Loading & Coal Stockpile Area
- 29.0 Acres for Access Road & Low Water Crossing
- 107.0 Acres for Basin 003, 004, 006, 021, 022A, 023, 037A, Access & Drainage Courses
- 2.0 Acres for Ancillary Road
- 4.0 Acres for Powder Bin Storage Area
- 2.0 Acres for Dewatering Site, Pumpline & Access
- 58.0 Acres for a Warehouse/Maintenance Area

Total Permit Area 950.0 Acres

NATURE OF REVISION R-1

- Transfer 4.0 Incidental Acres (Basin 022, Access & Drainage Course) from Increment No. 2 to Increment No. 1.
- Add 3.0 Incidental Acres (Basin 014 & Access) to Increment No. 1.
- Transfer 1.0 Mining Acre from Increment No. 2 to Increment No. 1 for Access.
- Add 5.0 Mining Acres to Increment No. 1.
- Update Drainage Control Plan.
- Update Operations Plan.
- Update Hydrologic Monitoring Plan.

NATURE OF REVISION R-2

- Add 2.0 Incidental Acres (Powder Bins) to Increment No. 1.
- Add 1.0 Mining Acre to Increment No. 1.
- Add 0.45 Incidental Acres (Drainage Course) to Increment No. 1. (No Acreage Change)
- Delete 3.0 Bonded and Undisturbed Mining Acres from Increment No. 1.
- Delete 0.55 Bonded and Undisturbed Incidental Acres from Increment No. 1. (No Acreage Change)
- Add 0.55 Incidental Acres (Access) to Increment No. 1. (No Acreage Change)
- Request for an Exemption of Rule 880-X-10D-.13 (3) for a portion of the Powder Bin Area.

NATURE OF REVISION R-3

- Mining And Spoil Area Added To Increment No. 1, 41.0 Acres.
- Request To Extend Topsoil Variance With Regard To Area Added

NATURE OF REVISION R-4

- Area transferred from Increment No. 2 to Increment No. 1, 14.0 acres; 9.0 acres for a Coal Yard, 2.0 acres for an Office and Scale area, and 3.0 acres for Primary Road No. 6P Extension.
- Request To change the Grading Condition of Increment No. 1 from a maximum of 20 Ungraded acres to a maximum of 80 Ungraded acres.

NATURE OF REVISION R-5

- Mining And Spoil Area Added To Increment No. 1, 7.0 Acres.
- Mining Area Transfered from Increment No. 2 to Increment No. 1, 25.0 Acres.
- Incidental Area added to newly created Increment No. 6 32.0 Acres 24.0 Acres for a Coal Loading & Coal Stockpile area, 7.0 acres for Primary Road 10P, 1.0 acre Drainage Course.
- Incidental Area Transferred from Increment No. 3 to newly created Increment No. 6, 1.0 Acre.
- Incidental Area Transferred from Increment No. 3 to newly created Increment No. 6, 8.0 Acres. 1.0 Acres Access, 1.0 Acre Drainage Course, 6.0 Acres Basin 003.
- Incidental Area deleted from newly created Increment No. 6, 1.0 Acre.
- Update the Operations Plan.

NATURE OF REVISION R-6

- Area added to Increment No. 2, 68.0 Acres 58.0 Acres Mining Area, 2.0 Acres for Basin 041P and 8.0 Acres for Office, Scale and Coal Stockpile Areas.
- Mining Area transferred from to Increment No. 2 to Increment No. 4, 60.0 Acres.
- Area added to Increment No. 4, 80.0 Acres 74.0 Acres Mining Area and 6.0 Acres for Basin 037P and 040P.
- Undisturbed Area deleted from Increment No. 2, 30.0 Acres
- Area added to Increment No. 1 for Drainage Courses, 1.0 Acres
- Area added to Increment No. 6 for Coal Loading and Stockpile Extension, 21.0 Acres
- Update Drainage Control Plan through the deletion of Basin 036P and the addition of Basins 037P and 038P.
- Request for Exemption of Rule 880-X-10C-.13(3) for an area within the S 1/2 of the SW 1/4 of Section 3 and the NE 1/4 of the NW 1/4 and the NW 1/4 of the NE 1/4 of Section 1, all within Township 20, Range 6 West; and the SE 1/4 of the SW 1/4 of Section 36, Township 19 South, Range 6 West, All within Jefferson County, Alabama.
- Request to update Operation Plan within Increments No. 2 and 4

NATURE OF REVISION R-7

- Area added to Increment No. 6 For Ancillary Road, 2.0 Acres.
- Request to change the Grading Condition of the entire Permit to a maximum of 80 ungraded acres per Increment.

NATURE OF REVISION R-8

- Area added to Increment No. 1 for final reclamation, 15.0 Acres.
- Area transferred from Increment No. 1 to Increment No. 6 for Basin 022A, 35.0 Acres.
- Area transferred from Increment No. 4 to Increment No. 2 47.0 Acres; 44.0 mining acres and 3.0 acres for Basin 040.
- Update the drainage control plan through the addition of Basins 022A and 037A and the modification of Basin 038.
- A request to change the landuse of Basins 022A and 037A to permanent water impoundment, fish and wildlife habitat.
- Update permit map to show office area and coal stockpile within Increment No. 2(No acreage change).

NATURE OF REVISION R-9

- Area transferred from Increment No. 4 to Increment No. 2 27.0 Mining Acres.

NATURE OF REVISION R-10

- Area transferred from Increment No. 4 to Increment No. 2, 36.0 Acres; 34.0 Mining Acres and 2.0 Acres for Basin 037.

NATURE OF REVISION R-11

- Area transferred from Increment No. 4 to Increment No. 2, 18.0 Mining Acres.
- Mining Area added to Increment No. 2, 5.0 Acres. (Note all added acres area previously disturbed by others.)

NATURE OF REVISION R-12

- Area transferred from Increment No. 1 to Increment No. 6, 14.0 Acres, 10.0 Acres for Primary Road 6 extension, 2.0 Acres for a parking area, and 2.0 Acres for a Powder Bin Storage Area.
- Undisturbed area deleted from Increment No. 1, 2.0 Areas.
- A request for exemption of Rule 880-X-10C-13(3) for an area within the NE 1/4 of the NW 1/4 and the NW 1/4 of the NE 1/4 of Section 1, Township 20 South, Range 6 West, Jefferson County, Alabama.

NATURE OF REVISION R-13

- Area transferred from Increment No. 2 to Increment No. 6, 48.0 Acres for Basin 037A.

NATURE OF REVISION R-14

- Transfer 36.0 Mining and Incidental Acres from Increment No. 5 to Increment No. 3.
- Transfer 10.0 Incidental Acres(Basins 004, 006 & 021)from Increment No. 5 to Increment No. 6.
- Add 3.0 Incidental Acres, Existing Road (Primary Road 11P) to Increment No. 5.
- Add 1.0 Incidental Acres (Ancillary Roads to Basins 004 & 006) to Increment No. 6.
- Add 35.0 Mining Acres to Increment No. 5.
- Update the Operations Plan.
- Update the surface ownership in the S 1/2 of SW 1/4 of NE 1/4, Section 9, Township 20 South, Range 6 West.

NATURE OF REVISION R-15

- Add 2.0 incidental acres (an existing dewatering site, pumpline, and and access road) to Increment No. 6.
- Add Primary Road 12P to Increment No. 6(No acreage change).
- A request for exemption of Rule 880-X-10C-.13(3) for an area within the NE 1/4 of NE 1/4 of Section 31, Township 19 South, Range 5 West.
- A request to extend the topsoil variance to cover the newly added area.
- Update the General Plan.
- Update the Operation Plan with regard to cut alignment and a request to mine through Basin 021.

NATURE OF REVISION R-16

- Add 2.0 spoiling acres to Increment No. 5.
- Add 4.0 incidental acres to Increment No. 6, 2.0 acres for powder bin, explosive storage area, and 3.0 acres for Coal Stockpile Area.
- A request to extend the topsoil variance to cover the newly added area.

NATURE OF REVISION R-17

- Add 58.0 incidental acres (warehouse/maintenance area) to Increment No. 6.
- Add 3.0 incidental acres (Basin 023) to Increment No. 6.
- Add 1.0 incidental acre (low water crossing) to Increment No. 6.
- Transfer 8.0 acres from Increment No. 2 to Increment No. 6 for an extension of Primary Road 7.
- Transfer 0.10 acre (Primary Road 7) from Increment No. 2 to Increment No. 6 (No Acreage Change).
- Update the drainage control plan through the addition of Basin 023.
- Update the Hydrologic Monitoring Plan.
- A request for a delay in Contemporaneous Reclamation for 12 months on the highwall in Increment No. 5, located in the NE 1/4 of SW 1/4 and SE 1/4 of SW 1/4 of Section 9, Township 20 South, Range 6 West, Tuscaloosa County, Alabama.

I, Steven R. Ingle, a Registered Professional Engineer, hereby certify the foregoing to be a true and correct map to the best of my knowledge and belief.

ALABAMA REGISTERED No. 18213 PROFESSIONAL ENGINEER STEVEN R. INGLE

Steven R. Ingle, P.E. Date
AL Reg. #18213

Twin Pines, LLC
74 Industrial Parkway
P.O. Box 621 Jasper, Alabama 35502
(205) 295-0095 Office
(205) 295-0799 Fax

REVISIONS

NO.	DATE	NATURE OF REVISION
1		
2		
3		
4		
5		
6		

PERMIT AND VICINITY MAP
SHANNON, LLC
SHANNON MINE
P-3859 / REVISION R-17
MAP 1 OF 2

Part of Sections 1, 2, 3, 4, 9, 10, & 11, Township 20 South, Range 6 West, Part of Sections 25, 35 & 36, Township 19 South, Range 6 West, Part of Sections 1 & 2, Township 19 South, Range 5 West.
Jefferson and Tuscaloosa Counties, Alabama