

- LEGEND**
- ▲ Reclamation Cross Section
 - Landhook, Indicates Both Surface & Mineral Ownership
 - Permit Boundary
 - Surface Contour
 - Sediment Basin
 - Natural Drainage Course
 - Drainage Divide
 - Land Slope Measurement
 - Existing Highway
 - Coal Stockpile (location subject to change)
 - Surface Property Boundary Line other Than A 1/4 - 1/4 Section Line.
 - Diversion Ditch
 - Occupied Dwelling
 - Unoccupied Dwelling (Barn, Shed, ect.)
 - County Road
 - Road (Private unless otherwise shown)
 - Indicates Mineral Ownership
 - Indicates Surface Ownership
 - Indicates Both Surface & Mineral Ownership
 - Area Previously Surface Mined
 - Projected Lick Creek Coal Seam Outcrop
 - Projected Jefferson Coal Seam Outcrop
 - Groundwater Monitoring Well
 - Primary Road
 - Ancillary Road
 - 6% Slope Measurement

- NOTES**
- All Buildings Within 1000' of Permit Area Are Shown
 - Surface and Mineral Ownership By 1/4 - 1/4 Section Unless Otherwise Shown
 - Coal Stockpiles Are Subject To Change
 - Public Road Rights-Of-Way Are Prescriptive And Are 100' Wide
 - Unless Otherwise Shown, All Rights-Of-Way Will Be As Shown
 - Surface & Mineral Ownership provided by Operator.

- REVISION R-3**
- 1) DELETE FOUR (4) INCIDENTAL ACRES (SEDIMENT BASINS 003, 005 & 006) FROM INCREMENT #1.
 - 2) DELETE NINE (9) UNDISTURBED MINING ACRES FROM INCREMENT #5.
 - 3) ADD TWENTY THREE (23) MINING ACRES TO INCREMENT #4.
 - 4) ADD TWENTY TWO (22) MINING ACRES TO INCREMENT #5.
 - 5) ADD THREE (3) INCIDENTAL ACRES (SEDIMENT BASINS 001, 022, DRAINAGE COURSE AND ACCESS ROAD) TO INCREMENT #4.
 - 6) ADD TWO (2) INCIDENTAL ACRES (MINE OFFICE, COAL STOCKPILE AND EQUIPMENT STORAGE AREA) TO INCREMENT #4.
 - 7) ADD ONE (1) INCIDENTAL ACRE (PRIMARY ROAD SP) TO INCREMENT #4.
 - 8) ADD ONE (1) UNDISTURBED MINING ACRES FROM INCREMENT #2.
 - 9) TRANSFER SIX (6) INCIDENTAL ACRES (SEDIMENT BASIN 001 & PRIMARY ROAD) FROM INCREMENT #4 TO INCREMENT #5.
 - 10) RELOCATE SEDIMENT BASINS 007 & 008 APPROXIMATELY FOUR HUNDRED FEET (400') DOWNSTREAM.

- REVISION R-5**
- 1) ADD ONE (1) INCIDENTAL ACRE TO INCREMENT #3 (MINING AREA AND STOCKPILE).
 - 2) DELETE TWELVE (12) UNDISTURBED MINING ACRES FROM INCREMENT #3.
 - 3) DELETE BASIN 009 AND PRIMARY ROAD #7.
 - 4) RELOCATE ANCILLARY ROAD TO BASIN 008P.
 - 5) ADD BASIN 009A TO INCREMENT #3.

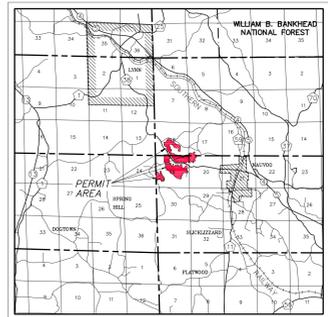
- NATURE OF REVISION R-7**
- 1) TRANSFER 33 MINING ACRES FROM INCREMENT NO. 2 TO INCREMENT NO. 3.
 - 2) ADD 21 MINING & INCIDENTAL ACRES (AREA PREVIOUSLY PERMITTED AND SUBSEQUENTLY RELEASED AS UNDISTURBED UNDER P-3675) TO INCREMENT NO. 3.
 - 3) UPDATE THE DRAINAGE CONTROL PLAN THROUGH THE MODIFICATION OF BASIN 007 TO 007B AND RELOCATE BASIN 007 DOWNSTREAM.

- NATURE OF REVISION R-9**
- 1) ADD 60 Mining Acres (Including Coal Stockpile and Primary Roads) to Increment No. 3.
 - 2) Add 5 incidental Acres (Including Basin 023, Drainage Courses and Access Road) to Increment No. 6.
 - 3) Transfer 5 Mining Acres from Increment No. 4 to Increment No. 3.
 - 4) Transfer 4 incidental Acres (Basin 007 and Access) from Increment No. 3 to Increment No. 6.
 - 5) Transfer 19 Mining Acres from Increment No. 7 to Increment No. 2.
 - 6) Transfer 1 incidental Acre (Coal Stockpile and Equipment Storage Area) from Increment No. 2 to Increment No. 6.
 - 7) Transfer 5 incidental Acres (Basin 021, 022, and Access) from Increment No. 4 to Increment No. 6.
 - 8) To show the location of Primary Road No. 7 due to a recent mapping error.
 - Request to update the Hydrologic Monitoring Plan.
 - Request to extend the Topsoil Variance to cover the newly added area.
 - Request to change the Post Mining Landuse of Basin 007 from a Temporary Basin to a Permanent Water Impoundment (Fish and Wildlife Habitat).

POST REVISION R-15 BOND LEGEND

Increment No. 1 - Phase III Bond Release	
Increment No. 2 Mining Area, Primary Roads.....	99 Acres
Increment No. 3 Mining Area, Coal Stockpile and Primary Roads, Basins 024P, 025P, & drainage.....	144 Acres
Increment No. 4 - Phase III Bond Release	
Increment No. 5 Mining Area, Coal Stockpile, Primary Road, Access Roads, Basin 028P.....	53 Acres
Increment No. 6 Basins 007, 007A, 007B, 008, 009, 009A, 021, 022, 023, 023A, Access, Drainage Courses and Coal Stockpile.....	25 Acres
Total Permitted Area.....	321 Acres.

- NATURE OF REVISION R-15**
- Request to Change Diversions 1-2, 3-4 and 5-6 from Temporary Diversions to Permanent Diversions.
 - Submit Detailed Design Plans for Diversions 1-2, 3-4 and 5-6.
 - Show Correct Location of Diversion 1-2.
 - Delete 1.0 Incidental Acre as Undisturbed from Increment No. 3.



Vicinity Map
Scale: 1" = 2 Miles

- REVISION R-4**
- 1) SHOW CORRECT LOCATION OF COAL STOCKPILE IN INCREMENT #4.
 - 2) TRANSFER THIRTY NINE (39) MINING ACRES FROM INCREMENT #2 TO INCREMENT #3.
 - 3) TRANSFER ONE (1) INCIDENTAL ACRES FROM INCREMENT #2 TO INCREMENT #3 (BASIN 007 AND ACCESS).
 - 4) TRANSFER FORTY (40) MINING ACRES FROM INCREMENT #2 TO INCREMENT #5.
 - 5) TRANSFER TWO (2) INCIDENTAL ACRES FROM INCREMENT #2 TO INCREMENT #3 (BASIN 007 AND ACCESS).
 - 6) TRANSFER NINE (9) MINING ACRES FROM INCREMENT #5 TO INCREMENT #4.
 - 7) ADD ONE (1) INCIDENTAL ACRE TO INCREMENT #3 (HAUL ROAD).
 - 8) ADD ONE (1) INCIDENTAL ACRE TO INCREMENT #3 (HAUL ROAD).
 - 9) DELETE SIXTY THREE (63) UNDISTURBED MINING ACRES FROM INCREMENT #3.
 - 10) DELETE TWO (2) UNDISTURBED MINING ACRES FROM INCREMENT #4.
 - 11) DELETE THIRTEEN (13) UNDISTURBED MINING ACRES FROM INCREMENT #5.
 - 12) UPDATE THE HYDROLOGIC MONITORING PLAN.

- NATURE OF REVISION R-6**
- 1) ESTABLISH A NEW INCREMENT #6 FOR INCIDENTALS.
 - 2) TRANSFER TWO (2) INCIDENTAL ACRES FROM INCREMENT #2 (SEDIMENT BASIN 009) TO INCREMENT #6.
 - 3) TRANSFER ONE (1) INCIDENTAL ACRE FROM INCREMENT #3 (SEDIMENT BASIN 009) TO INCREMENT #6.
 - 4) TRANSFER ONE (1) INCIDENTAL ACRE FROM INCREMENT #5 (SEDIMENT BASIN 007, 007A, 008 AND ACCESS ROAD) TO INCREMENT #6.
 - 5) TRANSFER TWENTY NINE (29) MINING ACRES FROM INCREMENT #3 TO INCREMENT #2 AND RESERVE INCREMENT #3 FOR FUTURE MINING.
 - 6) ADD FOUR (4) MINING ACRES TO INCREMENT #5.

- NATURE OF REVISION R-8**
- 1) ADD 13 Mining & Incidental Acres (Area Previously Permitted and Subsequently Released as Undisturbed Under P-3675) to Increment No. 5.
 - 2) Transfer 3 Mining Acres from Increment No. 2 to Increment No. 5.
 - 3) Update the Drainage Control Plan through the modification of Basin 009.

- NATURE OF REVISION R-10**
- Add 69.0 New Acres Mining Area and 1.0 New Acre Haul Road to Increment No. 5.
 - Add 2.0 New Acres Basin 023A and 1.0 New Acre Drainage Course and Access Road to Increment No. 6.
 - Delete 3.0 Acres Mining Area from Increment No. 5 as Undisturbed.
 - Transfer 13.0 Acres Mining Area from Increment No. 5 to Increment No. 2.
 - Delete 11.0 Acres Mining Area and 1.0 Acre Haul Roads from Increment No. 2 as Undisturbed.
 - Delete 1.0 Acre Mining Area and 1.0 Acre Haul Road from Increment No. 3 as Undisturbed.
 - Delete 8.0 Acres Mining Area from Increment No. 1 as Undisturbed.
 - Extend Topsoil Variance to include all Areas added by Revision R-10.
 - **Total Permitted Area.....320 Acres.**

- NATURE OF REVISION R-11**
- Transfer 69.0 Acres Mining Area, Coal Stockpile & Primary Road from Increment No. 5 to Increment No. 3.
 - Add 131.0 New Acres Mining Area and diversions, 1.0 New Acre Ancillary Roads, 1.0 New Acre Primary Roads, and 6.0 New Acres Basins 035P, 038P, and Drainage to Increment No. 6.
 - Add 39.0 New Acres Mining Area and diversions, 1.0 New Acre Ancillary Roads, 1.0 New Acre Primary Roads, 3.0 New Acres Basins 024P, 025P and Drainage to Increment No. 3. Basin 025P to remain as a Permanent Water Impoundment, Fish & Wildlife Habitat.
 - Update Surface Ownership in the W 1/2 of the SE 1/4, and the E 1/2 of the SW 1/4 of Section 18, in Winston County, and the NW 1/4 of Section 19, in Walker County, All within Township 12 South, Range 9 West, Alabama.
 - Request to extend the Topsoil Variance for the area added by Revision R-11.
 - Update Hydrologic Monitoring Plan.
 - Change the Post Mining Landuse of Basins 021 & 022 to Permanent Water Impoundment, Fish & Wildlife Habitat.
 - Limit amount of ungraded area in any increment to ten acres.

- NATURE OF REVISION R-12**
- Delete 4.0 Bonded and Undisturbed Mining Acres from Increment No. 2.
 - Delete 31.0 Bonded and Undisturbed Mining Acres from Increment No. 3.
 - Delete 108.0 Mining and Incidental Acres from Increment No. 5.
 - Show Correct Location of Coal Stockpile within Increment No. 3.
 - Modify the Hydrologic Monitoring Plan.

- NATURE OF REVISION R-13**
- Add 3.0 Mining Acres to Increment No. 5.
 - Request to extend the Topsoil Variance for the area added by Revision R-13.
 - Update Operations Plan.
 - Request to mine within the 100' setback of Winston County Road 38.

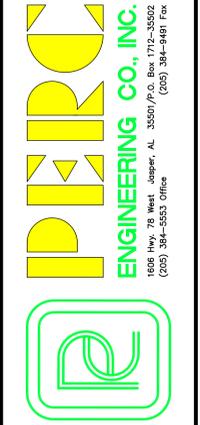
- NATURE OF REVISION R-14**
- Add 28.0 mining acres & access (24 of the 28 acres was previously permitted and subsequently released as undisturbed under P-3675) to Increment No. 5.
 - Add 2.0 incidental acre (drainage courses & access) to Increment No. 5 previously permitted and subsequently released.
 - Delete 11.0 bonded and undisturbed mining acres from Increment No. 5.
 - Request to extend the Topsoil Variance to cover the area added by Revision R-14 (area was previously permitted and subsequently released as undisturbed under P-3675).
 - Update the Operations Plan.
 - Request to mine within the 100' setback of Winston County Road 38 and drain surface mine drainage through and existing existing culvert under County Road 38.

PERMIT AREA
SCALE: 1" = 300'
CONTOUR INTERVAL = 20'

Base Map - Carbon Hill & Lynn
Alabama United States Geological
Survey Quadrangle Map.

I, Leslie G. Stephens, a Registered Professional Engineer and Land Surveyor, hereby certify the foregoing to be a true and correct map to the best of my knowledge, information, and belief.

Leslie G. Stephens, P.L.S. & P.E. _____ Date
AL Reg. No. 14117-E



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

PERMIT AND VICINITY MAP
Birmingham Coal & Coke Co. Inc.
Ninna V Mine
P-3675 / Revision R-15
Sections 17, 18, 19 & 20, T12S - R9W
Winston & Walker Counties, Alabama

Initial Map Date: January 12, 2011
BCNVPRI5.DWG