



- LEGEND**
- Permit Boundary
  - Increment Boundary
  - P-3930 WP Mining, LLC / Fishtrap Mine #2
  - Surface Contour
  - Drainage Divide
  - Sediment Basin
  - Perennial Stream
  - Intermittent Stream
  - Land Slope Measurement
  - Property Line other than Forty Line
  - Division Ditch/Barr
  - Occupied Dwelling
  - Unoccupied Dwelling (Barn, Shed, etc.)
  - Primary Road
  - Ancillary Road
  - County Road (Paved unless otherwise designated)
  - Road (Private unless otherwise shown)
  - Private Road
  - Indicates Mineral Ownership
  - (S) Indicates Surface Ownership
  - (FE) Indicates Both Surface and Mineral Ownership
  - N:1389932.16 Alabama West Zone NAD83 State Plane Coordinates
  - E:2006874.46 in Feet
  - Monitoring Well
  - Previously Surface Mined
  - Cemetery
  - Underground Limits of Jim Water Resources, Inc. Bessie Mine
  - Existing Impoundment
  - Power Line
  - Gas Line
  - Water Line
  - Silt Fencing
  - Coal Stockpile
  - Adamsville City Limits
  - Current Highway Location Determined by Mine Survey, 2-23-2012
  - Reclamation Cross-Section
  - Area Where Mining has been Completed

- NOTES**
- All Buildings Within 1000' of Permit Area are shown.
  - Surface and Mineral Ownership By Forties Unless Otherwise Shown.
  - No Topsoil Shown Due to Topsoil Variance Request.
  - No Municipality has Police Jurisdiction Within or Contiguous to the Permit Area.
  - Police Jurisdiction Within and Contiguous to the Permit Area is Provided by Jefferson County and the City of Adamsville.
  - Coal Stockpile Locations are subject to change.

- POST REVISION R-20 BOND LEGEND**
- Area Permitted Under Increment No. 1, 148 Acres (Phase III Bond Release)
  - Area Permitted Under Increment No. 2, 426 Acres (424 Acres Mining Area and Coal Stockpile)
  - Area Permitted Under Increment No. 3, 4 Acres (Phase III Bond Release)
  - Area Permitted Under Increment No. 4, 87 Acres (85 Acres Mining Area, Coal Stockpile, and Diversion)
  - Area Permitted Under Increment No. 5, 88 Acres (Phase III Bond Release)
  - Area Permitted Under Increment No. 6, 62 Acres (24 Acres Access Roads)
  - Area Permitted Under Increment No. 7, 149 Acres (149 Acres Mining Area, Coal Stockpile, & Diversion)
  - Area Permitted Under Increment No. 8, 9 Acres (Access Roads)
  - Area Permitted Under Increment No. 9, 2 Acres (Access Roads)
  - Area Permitted Under Increment No. 10, 2 Acres (Access Roads)
  - Area Permitted Under Increment No. 11, 2 Acres (Access Roads)
  - Area Permitted Under Increment No. 12, 2 Acres (Access Roads)
  - Area Permitted Under Increment No. 13, 2 Acres (Access Roads)
  - Area Permitted Under Increment No. 14, 2 Acres (Access Roads)
  - Area Permitted Under Increment No. 15, 2 Acres (Access Roads)
  - Area Permitted Under Increment No. 16, 2 Acres (Access Roads)
  - Area Permitted Under Increment No. 17, 2 Acres (Access Roads)
  - Area Permitted Under Increment No. 18, 2 Acres (Access Roads)
  - Area Permitted Under Increment No. 19, 2 Acres (Access Roads)
  - Area Permitted Under Increment No. 20, 2 Acres (Access Roads)
  - Total Permitted Area.....974 Acres.

- NATURE OF REVISION R-17**
- Add 107 Mining Acres to Increment No. 7.
  - Transfer 11 Mining Acres from Increment No. 7 to Increment No. 2.
  - Add 1 Incidental Acre to Increment No. 2 for Access Rd.
  - Transfer 4 Mining Acres from Increment No. 7, to Increment No. 6 for Access Roads.
  - Transfer 1 Mining Acres from Increment No. 7, to Increment No. 6 for Basin 006A and Drainage Course.

- NATURE OF REVISION R-20**
- Add 76 Mining Acres to Increment No. 2.
  - Add 9 Mining Acres to Increment No. 4.
  - Add 0 (Less than 1 Acre) Incidental Acres to Increment No. 6 for Primary Road 14P.
  - Update the General Plan through the Re-evaluation of Basins 001E, 001AE, 001BE, 001CP and 010E, and Update the General Plan with regard to the Construction Timetable of Basin 001P.
  - Update the Operations Plan.
  - Extend the Topsoil Variance to include the area added by R-20.
  - Update the Reclamation Plan to add Cross-section 0-0'.
  - Request to Remove the Permit Condition for the Maximum Ungraded Acres for Increment No. 2.
  - Submit the Detailed Design Plans for Primary Road 14P.

- NATURE OF REVISION R-18**
- Update Operations Plan with regard to Cut Sequence and Alignment.
  - Modify the Boundary of the Area Previously Identified as Area Where Mining has been Completed to be Consistent with the Revised Operation Plan with this Revision Application.
  - Request to Rescind Permit Condition R-17-4 which requires Basin 001C to be Constructed and Certified to the Regulatory Authority no Later than 90 Days from the issuance of Revision R-17.

- NATURE OF REVISION R-19**
- Update the General Plan with regard to the Construction Timetable of Basin 001C.

- NATURE OF REVISION R-15**
- Transfer 23.0 Mining acres from Increment No. 2 to Increment No. 1.
  - Add 8.0 Mining acres to Increment No. 4.
  - Add 33.0 Mining acres to Increment No. 2.
  - Transfer 3.0 Incidental acres (Roads) from Increment No. 6 to Increment No. 2 as Mining Area.
  - Add 15.0 Mining and Incidental acres to Increment No. 2.
  - Transfer 4.0 Incidental Acres (Basin 003, Access and Diversion) from Increment No. 6 to Increment No. 3 for Reclamation Purposes Only.
  - Update the General Plan through the Re-evaluation of Basins 001, 001A, 010, & the Addition of Basin 001B, modification of the detailed design plans of Basins 009P and 006P, and the modification of Basin 001BE.
  - Request to Update the Operations Plan.
  - Request to Update the Topsoil Variance to Cover the Newly added Area.
  - Update Surface Ownership.
  - Change Primary Roads 009P 0+00 to 2+81 and 010P 0+00 to 2+03 to Ancillary Roads.
  - Correct map symbol and road classification from Primary Roads to Ancillary Roads located in the SE/4 of Section 27, the NW/4 and SE/4 of Section 34, and SW/4 of Section 35, Township 16 South, Range 5 West Jefferson County, Alabama.
  - Transfer 4 Mining Acres from Increment No. 2 to Increment No. 7.
  - Transfer 0 Acres for Basin 001OP from Increment No. 1 to Increment No. 6. (No Acreage Change)
  - Transfer 3 Acres for Basin 001OP from Increment No. 2 to Increment No. 6.

- NATURE OF REVISION R-16**
- Add 15.0 Mining acres to Increment No. 2.
  - Add 54.0 Mining acres to newly created Increment No. 7.
  - Add 2.0 Incidental Acres (Basin 005 & 006)
  - Delete 0.45 Incidental Acres from Increment No. 2 to Increment No. 2.
  - Add 1.0 Incidental acre to Increment No. 6.
  - Update the Drainage Control Plan through the Addition of Sediment Basins 005 & 006.
  - Update the Operations Plan.
  - Request to Update the Topsoil Variance to Cover the Newly added Area.
  - Request to Change the Post Mining Land Use of the Area Assigned to Basins 004, 005, and 006 from Undeveloped/Current Use to Permanent Water Impoundment, Plant And Wildlife Habitat.
  - Submit Detailed Design Plans for Basin 005 & 006.
  - Update Hydrologic Monitoring Plan.
  - Show Correct Location of Basin 004.

- NATURE OF REVISION R-14**
- Add 2.0 acres Incidental Area to Increment No. 6 for an Ancillary Road.
  - Transfer 52.0 acres from Increment No. 3 to Increment No. 2.
  - Delete 1.0 Undisturbed and Unbonded mining acre from Increment No. 3.
  - Transfer 0.10 acres from Increment No. 3 to Increment No. 6 for an extension of an ancillary road (No acreage change).
  - Transfer 4.0 acres from Increment No. 5 to Increment No. 2.
  - Update the Drainage Control Plan.
  - Request to extend the Topsoil Variance to cover the newly added area to Increment No. 2.
  - Request to modify Primary Road 7P.

- NATURE OF REVISION R-13**
- Add 18.0 acres Mining Area to Increment No. 2.
  - Transfer 26.0 acres Mining Area from Increment No. 2 to Increment No. 1.
  - Transfer 14.0 acres Mining Area from Increment No. 3 to Increment No. 2.
  - Transfer 2.0 acres Incidental Area from Increment No. 6 to Increment No. 2.
  - Add 2.0 acres Incidental Area to Increment No. 6.
  - Transfer 2.0 acres Incidental Area from Increment No. 1 to Increment No. 6 (Ancillary Road & Primary Road 13P).
  - Show the correct location of an Access Road. (No Acreage Change).
  - Add 0.20 acres Incidental Area (Primary Road 13P) to Increment No. 4. (No acreage change).
  - Add 2.0 acres Incidental Area (Ancillary Road) from Increment No. 6 to Increment No. 1. (No acreage change)
  - Request to extend the Topsoil Variance to cover the newly added area to Increment No. 2.
  - Update Operations Plan.

- NATURE OF REVISION R-10**
- Transfer 14.0 acres Mining Area from Increment No. 3 to Increment No. 2.
  - Add 17.0 acres Mining Area to Increment No. 2.
  - Transfer 10.0 Acres Mining Area from Increment No. 1 to Increment No. 6 For Equipment Storage, & Coal Stockpile.
  - Transfer 4.0 Acres Mining Area from Increment No. 1 to Increment No. 6 For Access.
  - Transfer 1.0 Acres Mining Area from Increment No. 2 to Increment No. 6 For Access.
  - Transfer 1.0 Acres Mining Area from Increment No. 6 to Increment No. 5 For Access.
  - Transfer 1.0 Acres Mining Area from Increment No. 6 to Increment No. 5 For Access.
  - Transfer 1.0 Acres Mining Area from Increment No. 6 to Increment No. 5 For Access.
  - Add 2 Incidental Acres to Increment No. 6
  - Add 3 Acres Mining Area to Increment No. 4 that was previously permitted & subsequently released.
  - Request to extend the Topsoil Variance to cover the newly added area to Increment No. 2.
  - Request to update the Operation Plan.
  - Request to Re-Evaluate Sediment Basin 001A.
  - Request to modify Primary Road 7P.

- NATURE OF REVISION R-11**
- Add 25.0 acres Mining Area to Increment No. 4.
  - Add 4.0 acres Incidental Area (Borrow Area) to Increment No. 6.
  - Add 1.0 acre Incidental Area (Ancillary Road) to Increment No. 6.
  - Transfer 0.40 acres Mining Area from Increment No. 2 to Increment No. 6 for a portion of an Ancillary Road. (No Acreage Change)
  - Transfer 1.0 acre Mining Area from Increment No. 5 to Increment No. 6 for a portion of an Ancillary Road.
  - Update Drainage Control Plan.
  - Request to extend the Topsoil Variance to cover the newly added area to Increment No. 2.

- NATURE OF REVISION R-12**
- Add 11.0 acres Mining Area to Increment No. 2.
  - Transfer 14.0 acres Mining Area from Increment No. 3 to Increment No. 2.
  - Update Operations Plan with regard to the Cut Alignment within Increment No. 3 and Increment No. 4.
  - Request to extend the Topsoil Variance to cover the newly added area to Increment No. 2.

- NATURE OF REVISION R-9**
- Withdrawn

- NATURE OF REVISION R-8**
- Mining area added to Increment No.5. 6.0 acres.
  - Mining area transferred from Increment No.3 to Increment No.2, 14.0 acres.
  - Mining area transferred from Increment No.3 to Increment No.5, 22.0 acres.
  - Undisturbed area deleted from Increment No.5, 9.0 acres.

- NATURE OF REVISION R-7**
- Mining area transferred from Increment No. 3 to Increment No. 2, 30.0 acres.

- NATURE OF REVISION R-6**
- Delete 10.0 undisturbed acres mining area from Increment No. 1.
  - Delete 1.0 acres mining area and 1.0 acres Access Roads from Increment No. 4 as undisturbed.
  - Delete 16.0 acres mining area from Increment No. 2 as undisturbed.
  - Transfer 33.0 acres mining area, and 2.0 acres Access Roads from Increment No. 4 to Increment No. 3.
  - Delete 2.0 acres Basin 010 and Access from Increment No. 8 as undisturbed.
  - Update Operation Plan.
  - Renome Pre-Revision R-2 Basin 002 to Basin 002B.
  - Re-evaluate Basins 002B & 002A Relocation

- NATURE OF REVISION R-5**
- Transfer 10.0 acres mining area from Increment No. 1 to Increment No. 2.
  - Transfer 11.0 undisturbed acres mining area from Increment No. 1 to Increment No. 2.
  - Add 1.0 acre mining area to Increment No. 1.
  - Update surface and mineral ownership on permit map.

- NATURE OF REVISION R-4**
- Transfer 10.0 acres mining area from Increment No. 1 to Increment No. 2.
  - Transfer 11.0 undisturbed acres mining area from Increment No. 1 to Increment No. 2.
  - Add 1.0 acre mining area to Increment No. 1.
  - Update surface and mineral ownership on permit map.

- NATURE OF REVISION R-3**
- Transfer 14.0 acres mining area from Increment No. 2 to Increment No. 1.
  - Transfer 16.0 undisturbed acres mining area from Increment No. 2 to Increment No. 1.
  - Transfer 20.0 acres mining area from Increment No. 5 to Increment No. 1.
  - Update surface ownership within the NW 1/4 of NW 1/4 of Section 36, Township 16 South, Range 5 West, Jefferson County.
  - Request to condition the Reclamation Plan to allow for a Maximum Ungraded Area of 20.0 Acres for Increment No. 5.

- NATURE OF REVISION R-2**
- Mining Area added to Increment No. 1, 10.0 Acres.
  - Area added to Increment No. 6, 2.0 Acres for Basins 001 and 002 Relocation and Access.
  - Area transferred from Increment No. 6 to Increment No. 1, 8.0 Acres.
  - Request to relocate Basin 001 and 002.
  - Request to rename Basin 001 Pre R-2 location to Basin 001A.
  - Request to delete Basins 008 and 009 through the mining process.
  - Request to disturb within the 100' setback to the Rights-of-Way limits of Woodruff Mill Road within the E 1/2 of SE 1/4 of Section 27 and the W 1/2 of SW 1/4 of Section 28, all within Township 16 South, Range 5 West, Jefferson County.
  - Request for assumption of Rule 899-3-100-13 for an area below the Rolling Division within the NW 1/4 of the SW 1/4 of Section 26, Township 16 South, Range 5 West, Jefferson County.
  - Area transferred from Increment No. 1 to Increment No. 2, 18.0 Acres.
  - Request for the extension of the Topsoil Variance.
  - Request to change the Permit condition for the Maximum ungraded acres from 40 to 80 Acres.

**PERMIT AREA**  
Scale: 1" = 500'  
Contour Interval = 20'

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

**PERC ENGINEERING CO., INC.**  
1606 Hwy. 76 West Jasper, AL 35501/P.O. Box 1712-35502  
(205) 384-5553 Office (205) 384-9481 Fax

**REVISIONS**

**PERMIT AND VICINITY MAP**  
**C & H Mining Company, Inc.**  
**Lindbergh Mine No. 2**  
**P-3765 / Revision R-20**  
Part of Sections 26, 27, 34, 35, & 36  
Township 16 South, Range 5 West  
Part of Sections 2 & 3, Township 17 South, Range 5 West  
Jefferson County, Alabama

Initial Date: March 25, 2013

Stephen Miles, P.E.  
AL License No. 33253

Date

I, Stephen Miles, a Licensed Professional Engineer, hereby certify the foregoing to be a true and correct map to the best of my knowledge, information, and belief.