

Applicant: <u>Warrior 282 LLC</u>
Mine Name: <u>Warrior Mine No. 1</u>
Permit Number: <u>P-3953</u>

Part IV - Reclamation Plan

A. Post-mining Land Use

1. Describe the proposed post-mining land use(s) for the permit area. If more than one land use is proposed, show on a map and give acreage for each use. Include comments from the legal owner of record concerning the proposed land use. (780.23, 816.133)

160.0 acres commercial/industrial/no current use and 7.0 acres permanent water impoundment, fish and wildlife habitat.

2. Is the proposed land use different from the current land use? (780.23, 816.133) (XXX)Yes ( ) No

If yes, complete the following:

- (a) Is the area zoned for the proposed land use? (XXX) Yes ( ) No ( ) N/A
- (b) Is the proposed use compatible with adjacent land uses and applicable local and state land use policies? (XXX) Yes ( ) No
- (c) Explain the feasibility of the proposed land use as related to land use trends, and explain how the land use will be developed, achieved, and sustained.
- Surrounding and adjacent properties are commercially developed with a strip mall, various restaurants, and fuel stations. The post mine land use will be compatible with the increase in commercial development encouraged by the City of Warrior along the I-65 corridor. Residential areas and fish ponds also lie adjacent to the permit boundary.
- (d) Include letters of commitment from outside parties ensuring the provision of any necessary public facilities and any state and local governmental agencies which have to initiate, implement, approve or authorize the proposed land use.
- (e) Enclose design plans for the proposed post-mining land use, if applicable.

See Attachment IV-A-2

Applicant: <u>Warrior 282 LLC</u>
Mine Name: <u>Warrior Mine No. 1</u>
Permit Number: <u>P-</u>

B. Grading and Contouring

1. Enclose detailed plans with appropriate cross-sections or maps which satisfy the requirements of Section 780.18(b) (3 and 4). See Attachment IV-B.-3. Terraces will be constructed a maximum of 100 feet apart on slopes to minimize erosion. Terraces will not be excessive in width or have greater than 50% outer slopes.

2. Complete the following timetable: [780.18(b) (1)]

Increment (if applicable)	# Months After Operation Begins	% Of Increment of Permit Which Will Be Graded and Contoured
------------------------------	------------------------------------	--

1	1 month	0%
	4 months	25%
	8 months	50%
	12 months	75%
	16 months	100%
2	16 month	0%
	20 months	25%
	24 months	50%
	28 months	75%
	32 months	100%
3	32 month	0%
	36 months	25%
	40 months	50%
	44 months	75%
	48 months	100%
4	48 month	0%
	52 months	25%
	56 months	50%
	60 months	75%
	66 months	100%
5	48 month	0%
	52 months	25%
	56 months	50%
	60 months	75%
	66 months	100%

\*\* Grading will be kept to within 6 months or four spoil ridges from the active pit. The ungraded disturbance is to be limited by a permit condition as agreed upon by Warrior 282, LLC and the ASMC. 180 days following removal of all coal from a given increment, the increment will be backfilled and graded.

Applicant: <u>Warrior 282 LLC</u>
Mine Name: <u>Warrior Mine No. 1</u>
Permit Number: <u>P-3953</u>

3. On appropriate map(s), show representative values for the following:[780.18(b)(3), 816.102]
- (a) Percent of slope before mining; and
  - (b) Proposed post-mining slope including final slope of the highwall(s) in percent.

Land slope measurements on the permit map indicate an average premining slope of 25%. The final average post-mining slope will not exceed the pre-mining slope. Final highwall slopes will not exceed the steepest premining slope which is approximately 45%. Please note that the term pre-mining as used above addresses the state of the land prior to any mining having occurred, whether conducted by Warrior 282, LLC or others. See slope measurements on permit map and reclamation cross-sections in attachment IV-B-3.

Also, see Attachment III-B-2(a), Basin 008P Detailed Design Plans, for reclamation cross-sections for fill and spoil placement south of Basin 008P.

Applicant: Warrior 282 LLC  
Mine Name: Warrior Mine No. 1  
Permit Number: P-

C. Revegetation

- (1) Outline procedures for soil testing required to determine type and amount of soil amendments to be applied and to evaluate results of topsoil handling and replacement. (780.18, 816.25)

Once the texture criteria for final graded overburden has been met as outlined on Attachment IV-C-2, the final texture samples taken shall be sent to a qualified soil testing laboratory where the following tests shall be conducted: pH, fertility ratings for phosphorus, potassium, and magnesium, and amendment recommendations for post mining revegetation for limestone, nitrogen, P<sub>2</sub>O<sub>5</sub> and K<sub>2</sub>O. Results of this analysis will be used to determine the amount of soil amendments, if any, to be applied to the plant medium and will be submitted to the Regulatory Authority for review.

- (2) Are selected overburden materials to be used as a supplement or substitute for topsoil?  
(XXX) Yes ( ) No  
Topsoil variance application is forthcoming.

If, yes, provide results of analysis, trials, and tests required under Section 816.22(e). (779.21)

- (3) Are commercial or introduced species to be used?  
( ) Yes ( X ) No

If yes, give a narrative with supporting references which show that the species meet the requirements of Section 816.112. (780.18, 816.112)

- (4) Is the area to be reclaimed for fish and wildlife habitat?  
( X ) Yes ( ) No

If yes, list the species of plants to be used with a brief description of how they meet the criteria of Section 816.97(d)(6). [780.18(b)(5 and 6), 816.97(d)(6)]

All basins are to remain as permanent water impoundments, fish and wildlife habitat.

- (5) Complete the following schedules for each increment or sub-area of the permit area. [780.18(b)(5)]

Applicant: <u>Warrior 282 LLC</u>
Mine Name: <u>Warrior Mine No. 1</u>
Permit Number: <u>P-</u>

VEGETATION SCHEDULE

Increment 1-6

Temporary Vegetation

<u>Planting Species</u>	<u>Planting Rate</u>	<u>Planting Methods</u>	<u>Dates</u>	<u>Areas to be Planted</u>
Rye Grass	10#/acre	Broadcast	Fall	All Disturbance
Browntop Millet	10#/acre	Broadcast	Spring	All Disturbance

Permanent Vegetation

<u>Planting Species</u>	<u>Planting Rate</u>	<u>Planting Methods</u>	<u>Dates</u>	<u>Areas to be Planted</u>
Fescue	50#/Acre	Broadcast	Both	All Disturbance
Kobe Lespedeza	30#/Acre	Broadcast	Spring	All Disturbance
Vetch	30#/Acre	Broadcast	Fall	All Disturbance
Bermuda Grass	10#/Acre	Broadcast	Spring	All Disturbance

Note: Planting will take place the 1st planting season after grading occurs.

Applicant: Warrior 282 LLC

Mine Name: Warrior Mine No. 1

Permit Number: P-

6. Describe, in detail, proposed husbandry practices to be used. [780.18(b)(5), 805.13(b)(3)]

In cases where rills and gullies form that exceed performance standards, these areas will be regraded and reseeded. Areas where adequate vegetative cover is not established will be reseeded accordingly using those planting techniques described earlier in response to question IV-C.-5.

7. Describe, in detail, the measures and sampling methods to be used to determine and demonstrate success of revegetation; or methods to demonstrate the productive capacity of reconstructed prime farmland. (780.18, 816.116)

Productivity and revegetation success will be determined in accordance with the Alabama Surface Mining Commission's Technical Manual No. 1, "Approved Statistical Analysis and Sampling Techniques for Determining Revegetation Success on Surface Mine Lands in Alabama", or by other methods which have approval from the Alabama Surface Mining Commission.

Warrior 282, LLC  
Warrior Mine No. 1 P-3953  
Attachment IV-A-2

Alabama Surface Mining Commission  
P.O. Box 2390  
Jasper, Alabama 35502-2390

RE: Warrior 282 LLC  
Warrior Mine No. 1  
P-3953

Gentlemen:

We hereby consent to the land use change in the reclamation plan covering land disturbed at the above referenced facility. The reclamation plan is to reclaim a portion of the Permitted area as Commercial Development, a portion as Residential and the remainder as Permanent Water Impoundment Fish & Wildlife Habitat.. This is authorized by the City of Warrior, Alabama.

Sincerely,

  
Signature      MAYOR

RENA HUDSON      1/13/11

Printed Name and Date

December 13, 2011

Alabama Surface Mining Commission  
P.O. Box 2390  
Jasper, Alabama 35502-2390

STATE OF ALABAMA)  
JEFFERSON COUNTY)

RE: Warrior 282, LLC  
Warrior Mine No. 1  
P-3953

We I, GARRY P. CRANE & JOHN N. HORTON,  
own the occupied dwelling located within the NW/NE of Section 23, Township 14 South, Range  
3 West, Jefferson County, Alabama, hereby grants permission to Warrior 282, LLC to conduct  
coal mining and reclamation operations inside the 300 feet setback limit required by the Alabama  
Surface Mining Commission up to the west property line common to Alma Jean and George W.  
Jones and myself approximately 40 feet of our/my residence, but no closer than our/my west  
property line.

Garry P. Crane 12-13-11  
Signature Date

John N. Horton 12-13-11  
Signature Date

December 13, 2011

Alabama Surface Mining Commission  
P.O. Box 2390  
Jasper, Alabama 35502-2390

STATE OF ALABAMA)  
JEFFERSON COUNTY)

RE: Warrior 282, LLC  
Warrior Mine No. 1  
P-3953

We/I, Bobby D. Hayes  
own the occupied dwelling located within the NW/NE of Section 23, Township 14 South, Range 3 West, Jefferson County, Alabama, hereby grants permission to Warrior 282, LLC to conduct coal mining and reclamation operations inside the 300 feet setback limit required by the Alabama Surface Mining Commission up to the west property line common to Alma Jean and George W. Jones and myself approximately 40 feet of our/my residence, but no closer than our/my west property line.

Bobby D. Hayes  
Signature

Dec 13, 2011  
Date

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

December 13, 2011

Alabama Surface Mining Commission  
P.O. Box 2390  
Jasper, Alabama 35502-2390

STATE OF ALABAMA)  
JEFFERSON COUNTY)

RE: Warrior 282, LLC  
Warrior Mine No. 1  
P-3953

We/I, THELMA HUGHES,  
own the occupied dwelling located within the NW/NE of Section 23, Township 14 South, Range 3 West, Jefferson County, Alabama, hereby grants permission to Warrior 282, LLC to conduct coal mining and reclamation operations inside the 300 feet setback limit required by the Alabama Surface Mining Commission up to the west property line common to Alma Jean and George W. Jones and myself approximately 40 feet of our/my residence, but no closer than our/my west property line.

Thelma Hughes  
Signature

12-13-11  
Date

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

December 13, 2011

Alabama Surface Mining Commission  
P.O. Box 2390  
Jasper, Alabama 35502-2390

STATE OF ALABAMA)  
JEFFERSON COUNTY)

RE: Warrior 282, LLC  
Warrior Mine No. 1  
P-3953

We/I, BILLY RAY & LOUISE JONES  
own the occupied dwelling located within the NW/NE of Section 23, Township 14 South, Range 3 West, Jefferson County, Alabama, hereby grants permission to Warrior 282, LLC to conduct coal mining and reclamation operations inside the 300 feet setback limit required by the Alabama Surface Mining Commission up to the west property line common to Alma Jean and George W. Jones and myself approximately 40 feet of our/my residence, but no closer than our/my west property line.

Billy Ray Jones  
Signature

12-13-11  
Date

Louise A Jones  
Signature

12-13-11  
Date

October 24, 2012

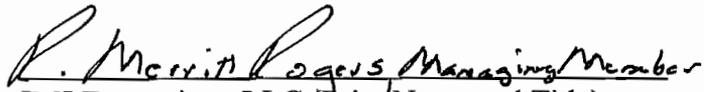
Alabama Surface Mining Commission  
P.O. Box 2390  
Jasper, Alabama 35502-2390

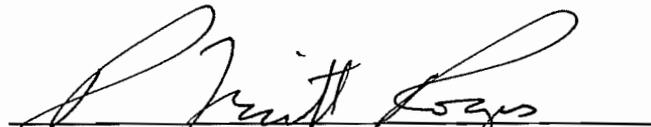
RE: Warrior 282, LLC  
Warrior Mine No. 1  
P-3953

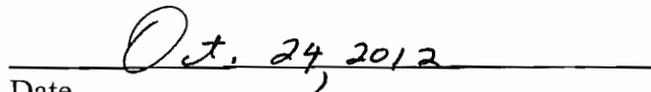
To Whom It May Concern:

I hereby consent to the reclamation plan covering land disturbed at the above referenced facility. The reclamation plan is to reclaim my property to undeveloped or no current landuse.

Sincerely,

  
P. Merritt Rogers, Managing Member  
JMJ Enterprises, LLC (Print Name and Title)

  
JMJ Enterprises, LLC (Signature)

  
Date

October 24, 2012

Alabama Surface Mining Commission  
P.O. Box 2390  
Jasper, Alabama 35502-2390

RE: Warrior 282, LLC  
Warrior Mine No. 1  
P-3953

To Whom It May Concern:

I hereby consent to the reclamation plan covering land disturbed at the above referenced facility. The reclamation plan is to reclaim my property to undeveloped or no current landuse. I also consent to leave water impoundments where acceptable, as permanent water impoundments, fish and wildlife habitats. After Phase III Bond Release approval we will be responsible for the sound and future maintenance of the basins.

Sincerely,

By: Gregory D. Hyde, Member + Manager  
Warrior Land, LLC (Print Name and Title)

By: [Signature]  
Warrior Land, LLC (Signature)

October 25, 2012  
Date

October 24, 2012

Alabama Surface Mining Commission  
P.O. Box 2390  
Jasper, Alabama 35502-2390

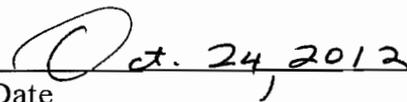
RE: Warrior 282, LLC  
Warrior Mine No. 1  
P-3953

To Whom It May Concern:

I hereby consent to the reclamation plan covering land disturbed at the above referenced facility. The reclamation plan is to reclaim my property to undeveloped or no current landuse. I also consent to leave water impoundments where acceptable, as permanent water impoundments, fish and wildlife habitats. After Phase III Bond Release approval we will be responsible for the sound and future maintenance of the basins.

Sincerely,

  
\_\_\_\_\_  
Gibson Rogers

  
\_\_\_\_\_  
Date