LAND RECLAMATION COMMISSION

STATE OF MISSOURI
P.O. BOX 176
JEFFERSON CITY, MISSOURI 65102
573-751-4041

Permit To Engage in Surface Mining

LAND RECLAMATION COMMISSION

ISSUES TO
LONESTAR INDUSTRIES, INC. dba BUZZI UNICEM USA

Pursuant to "The Land Reclamation Act," RSMo, 2001, and on conformity with the statements In the application, a permit is hereby granted to engage in surface mining of limestone in the state of Missouri. The extent of the Proposed mining operation(s) will be on 265 acres, more or less.
The locations of the operation(s) under this permit is/are as follows: Renewal

County	Section	Township	Range	Acres Renewed	Acres New	Total Acres	Site/Stream Name	Site Number
Cape Girardeau	18	30N	14E	101	0	101	Cape Girardeau	0435
Cape Girardeau	13	30N	13E	14	0	14	Cape Girardeau #2	0899
Scott	28	30N	14E	150	0	150	Scott City	1580

This permit may be suspended or revoked upon violation of any or all of the conditions set forth in "The Land Reclamation Act," RSMo. 2001, or in such rules and regulations as are promulgated pursuant thereto by the Land Reclamation Commission.

IN WITNESS WHEREOF I have hereunto set my hand this 4th day of August 2004

DIRECTOR OF STAFF
Land Reclamation Commission

Permit No. 0376
Effective Date 09/01/2004
Expiration Date 08/31/2005

MO 780-1122 (6-95)

RECEIVED

JUL 30 2004

MISSOURI LAND RECLAMATION COMMISSION

MISSOURI DEPARTMENT OF NATURAL RESOURCES
LAND RECLAMATION COMMISSION

PERMIT RENEWAL FOR INDUSTRIAL MINERAL MINES

P.O. BOX 176
JEFFERSON CITY, MO 65102-0176

NAME OF CORPORATION, COMPANY, PARTNERSHIP OR INDIVIDUAL			DATE
Lone Star Industries, Inc. dba Buzzi Unicem USA			July 26, 2004
ADDRESS: 2524 South Sprigg Street	CITY: Cape Girardeau	STATE: MO	ZIP CODE: 63703
CONTACT PERSON: Paul Schell		TELEPHONE NUMBER: (573) 335 - 5591	

FEES: COMPLETE SECTION I OR SECTION II

SECTION I. Fees: Open pit operators and those mining more than 5,000 tons of sand and/or gravel:

1. To compute the site fee complete the information below:

SITE NAME OR NUMBER (add a separate sheet for additional sites)	**Mark each month that the site will be operated during the permit year**	For sites operated less than six months per permit year pay **$150** For sites operated six months or more per permit year pay **$300**
1. 0435, 0899, 1580 (considered one site)	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	$ 300.00
2.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	$
3.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	$
4.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	$
5.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	$
6.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	$
7.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	$
8.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	$
9.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	$
10.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	$
TOTAL SITE FEE →		$

2. Acreage Fee $5 X 265 **number of acres bonded** ..... $ 1325.00

3. Annual Permit Fee ..... **$ 500**

4. Total Fee (Add totals from 1, 2 and 3) ..... $ 2125.00

NOTE: If Total Fee exceeds $2,500.00 then pay only ..... **$ 2,500**

SECTION II. FEES: Sand or gravel operators mining less than 5,000 tons per year:

1. Annual Permit Fee ..... **$ 300**

SIGNATURE OF APPLICANT	TITLE	DATE
Wm. Steven Leus, Jr.	Plant Manager	July 26 2004

Appeared before me this 26th day of July, 20 04, Wm. Steven Leus to me personally known, who executed the above as their free acts and deeds.

NOTARY PUBLIC EMBOSSER SEAL	STATE OF: Missouri	COUNTY (OR CITY OF ST. LOUIS): Cape Girardeau
	SUBSCRIBED AND SWORN BEFORE ME, THIS 26th DAY OF July YEAR 2004	USE RUBBER STAMP IN CLEAR AREA BELOW.
	NOTARY PUBLIC SIGNATURE: Theresa Pepple	MY COMMISSION EXPIRES: 05/21/2006
	NOTARY PUBLIC NAME (TYPED OR PRINTED): Theresa Pepple	

THERESA PEPPLE
Notary Public – Notary Seal
STATE OF MISSOURI
Scott County
My Commission Expires: 05/21/2006

DEPARTMENT USE ONLY: APPROVED BY	DATE APPROVED	PERMIT NUMBER	
Michael J. Abell	8/2/04	0376	8/31/05

MO 780-1780 (12-02)

MISSOURI DEPARTMENT OF NATURAL RESOURCES
LAND RECLAMATION COMMISSION

SITE INFORMATION FORM

RECEIVED
AUG - 1 1997
MISSOURI LAND
RECLAMATION COMMISSION

To be completed for each separate area of disturbance associated with mining operations.

SITE NAME OR NUMBER	PERMIT NUMBER
Cape Girardeau	0376

COMPANY NAME: Lone Star Industries, Inc.

COUNTY	1/4 SECTION	SECTION
Cape Girardeau	SE	18
TOWNSHIP	**RANGE**	**ACRES**
30 N	14E	18

RIVER OR STREAM NAME (FOR IN-STREAM ACRES):

MINERAL COMMODITY	ESTIMATED TONS/YEAR (FOR GRAVEL SITES)

NAME OF LANDOWNER (ATTACH LIST IF MORE THAN ONE): Lone Star Industries, Inc.

ADDRESS: 2524 S. Sprigg Street

CITY	STATE	ZIP CODE
Cape Girardeau	MO	63703

SOURCE OF RIGHT TO MINE (CHECK ONE):

- [ ] MINERAL DEED
- [x] WARRANTY DEED
- [ ] OTHER (DESCRIBE):
- [ ] LEASE
- [ ] VERBAL AGREEMENT

DATE OF AGREEMENT:

MINERAL RIGHTS OWNER (ATTACH LIST IF MORE THAN ONE): Same as above

ADDRESS:

CITY	STATE	ZIP CODE

SOURCE OF RIGHT TO MINE (CHECK ONE):

- [ ] MINERAL DEED
- [ ] WARRANTY DEED
- [ ] OTHER (DESCRIBE):
- [ ] LEASE
- [ ] VERBAL AGREEMENT

DATE OF AGREEMENT:

NOTE: Each site must be shown on a map and be included in a public notice and an approved mine plan.

MISSOURI DEPARTMENT OF NATURAL RESOURCES
LAND RECLAMATION COMMISSION
MINE PLAN

RECEIVED
AUG - 1997
MISSOURI LAND
RECLAMATION COMMISSION

P.O. BOX 176
JEFFERSON CITY, MO 65102

TYPE OF PLAN (CHECK ONE):
☐ SHORT TERM, FOR ONE PERMIT YEAR
☒ LONG TERM, FOR PERIOD THROUGH DATE: August 2022

COMPANY NAME Lone Star Industries, Inc.

DESCRIPTION OF SITE PRIOR TO LAND RECLAMATION COMMISSION PERMITTING (BY APPLICANT OR PRIOR OPERATOR), INCLUDING SOIL, VEGETATION AND TOPOGRAPHY.

This 18 acres was previously mined for clay and doesn't contain any topsoil. It is mostly covered with weeds, small schrubs, and large rocks.

OPERATION PLAN - 10 CSR 40-10.020(2)(D)1.

A. TOPSOIL

AVERAGE DEPTH OF TOPSOIL, PRIOR TO LAND RECLAMATION COMMISSION PERMITTING

None _____ INCHES

IS TOPSOIL TO BE SOLD OR DISCARDED OFFSITE?

☐ YES OR ☒ NO

DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL REMOVAL

None

DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL STORAGE AND PROTECTION

None

PERMIT NO._____ SITE NO.+/or NAME_____

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MISSOURI LAND
RECLAMATION COMMISSION

B. SPOIL

DESCRIBE METHODS AND LOCATION OF SPOIL PLACEMENT AND DISPOSAL

This 18 acre area will be used for placement of overburden. The sides will be graded to a maximum slope of (3:1). Part of this area will be topped with crushed limestone to make a storage area for limestone. The remaining area will be topped with soil and seeded.

C. ACID MATERIALS

DESCRIBE METHODS AND EQUIPMENT USED FOR HANDLING ACID MATERIALS (IF NONE IS ANTICIPATED, WRITE "NONE" BELOW)

None

D. PIT INFORMATION (GIVE ALL DIMENSIONS IN FEET)

DESCRIBE LOCATION AND ORIENTATION OF PIT, IF NOT CLEAR ON SITE MAPS

On map

YES	NO	
☐	☒	Will any excavation be at or within fifty feet (50') of the right-of-way of any public road?
☐	☒	Will any highwall consisting of unconsolidated materials be left within fifty feet of the right-of-way of any public road? (NOTE: For unconsolidated materials left in place, a slope of no more than forty degrees may start near the right of way, and in no case may the excavation be closer to the right of way than fifty feet or twenty-five feet plus one and one-half (1-½) times the depth of unconsolidated material, whichever is greater, unless a variance is granted by the Commission.)
☐	☒	Will any excavation start at or within fifty feet (50') of any property line? (NOTE: If the answer is "yes", a safety barrier may be needed.)

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MISSOURI LAND
RECLAMATION COMMISSION

RECLAMATION PLAN - 10 CSR 40-10.020(2)(D)2.

A. REVEGETATION (Attach additional sheets, if needed)

REVEGETATION MIX #1	PURPOSE OR LAND USE	B. SEEDING OR PLANTING TIME
#1	Pasture	Spring (March to June)

DESCRIBE METHODS AND EQUIPMENT TO BE USED FOR SEEDING OR PLANTING

During the first spring following topsoil placement, the seed mix will be broadcast and harrowed.

Reseeding will be done if needed to achieve grass cover sufficient to control erosion and to support pasture.

Lime and fertilizer will be applied according to recommendations made, based on an analysis of soil texture and nutrients. Mulch will be applied to all slopes exceeding 5:1.

SEEDED SPECIES	POUNDS/ACRE	TREE OR SHRUB SPECIES	STEMS/ACRE
Orchard grass	15		
Alfalfa	15		

REVEGETATION MIX #2	PURPOSE OR LAND USE	B. SEEDING OR PLANTING TIME
#2	Wildlife	Spring (March to June)

DESCRIBE METHODS AND EQUIPMENT TO BE USED FOR SEEDING OR PLANTING

During the first spring following topsoil placement, the seed mix will be broadcast and harrowed.

Reseeding will be done if needed.

Lime and fertilizer will be applied according to recommendations made, based on an analysis of soil texture and nutrients. Mulch will be applied to all slopes exceeding 5:1.

SEEDED SPECIES	POUNDS/ACRE	TREE OR SHRUB SPECIES	STEMS/ACRE
Red Clover	5		
White Clover	1		
Pasture Mix	20		

ATTACH ADDITIONAL SHEETS FOR ADDITIONAL SEED MIXES.

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AUG - 1 1997
MISSOURI LAND
RECLAMATION COMMISSION

B. GRADING

DESCRIBE PROPOSED RECLAIMED TOPOGRAPHY, INCLUDING SLOPES

The top portion will be flat with a slope towards the south. The sides will have a maximum slope of 3 to 1. Part of the top will have a crushed limestone pile and the remainder will be topped with soil and seeded.

C. DESCRIBE THE GENERAL SEQUENCE AND TIMING OF THE FOLLOWING ACTIVITIES

GRADING

As the spoil pile advances it will be graded within one year to a maximum slope of 3 to 1.

REPLACEMENT OF TOPSOIL

Crushed limestone will be spread within one year on the area for limestone piles. Also, within one year of the final grading the other area will have topsoil placed to a minimum depth of 12 inches.

REVEGETATION

All topsoil areas will be seeded during the first spring following topsoil placement. Seed mix #1 will be used on the flat top area and seed mix #2 used on the sloping areas.

AVERAGE DEPTH OF REPLACED TOPSOIL (INCHES)
12 inches minimum

D. USE OF LAND WHEN RECLAIMED

Estimate acreage of each land use below, after reclamation	ESTIMATED ACRES:
Wildlife (forest or other habitat with livestock excluded)	8
Agricultural (pasture, cropland, and horticultural)	4
Development (residential, industrial, and recreational)	6
Water impoundments (for wildlife, agricultural, or development)	0

RECEIVED
AUG - 1 1997
MISSOURI LAND
RECLAMATION COMMISSION

By my signature, I attest to the following:

1. All statements made on this Mine Plan Form are correct, complete, and true, to the best of my knowledge.

2. I or the company I am authorized to represent intend(s) to mine in accordance with this Mine Plan Form, and in accordance with the Missouri Land Reclamation Act, Sections 444.760 through 444.789, RSMo [redacted] and all rules, regulations, orders, decisions and permits of the Missouri Land Reclamation Commission pertaining to my company's surface mining operations.

3. I have obtained the approval of all landowner's for all proposed post-reclamation land uses.

4. I have a valid agreement with all landowners which gives me the right to grant access to the Director of the Missouri Land Reclamation Commission and his authorized representatives, and I grant such access, and further where I have no such right, I have attached signed affidavits from the landowners, granting such access.

SIGNATURE OF APPLICANT	TITLE	DATE
N. Steven Leus — Steve Leus	Plant Manager	7-29-97

NOTARY PUBLIC EMBOSSER SEAL	STATE	COUNTY (OR CITY OF ST. LOUIS)
	Missouri	Cape Girardeau
	SUBSCRIBED AND SWORN BEFORE ME, THIS 29th DAY OF July 19 97	USE RUBBER STAMP IN CLEAR AREA BELOW
	NOTARY PUBLIC SIGNATURE: Margaret Bowington — MY COMMISSION EXPIRES: 10-20-98	
	NOTARY PUBLIC NAME (TYPED OR PRINTED): Margaret Bowington	

APPROVED BY (DIRECTOR'S REPRESENTATIVE)	DATE APPROVED	PERMIT NUMBER
Mohsen Sahili	8-19-97	0376

PERMIT NO._____ SITE NO.+/or NAME_____

MISSOURI DEPARTMENT NATURAL RESOURCES
LAND RECLAMATION COMMISSION

SITE INFORMATION FORM

To be completed for each separate area of disturbance associated with mining operations.

SITE NAME OR NUMBER	PERMIT NUMBER
Cape Girardeau	376

COMPANY NAME: Lone Star Industries, Inc.

COUNTY	1/4 SECTION	SECTION
Cape Girardeau		18

TOWNSHIP	RANGE	ACRES
30N	14E	10

RIVER OR STREAM NAME (FOR IN-STREAM ACRES):

MINERAL COMMODITY	ESTIMATED TONS/YEAR (FOR GRAVEL SITES)
Limestone	

NAME OF LANDOWNER (ATTACH LIST IF MORE THAN ONE): Lone Star Industries, Inc.

ADDRESS: 2524 S. Sprigg Street

CITY	STATE	ZIP CODE
Cape Girardeau	MO	63701

SOURCE OF RIGHT TO MINE (CHECK ONE):

- [ ] MINERAL DEED
- [x] WARRANTY DEED
- [ ] OTHER (DESCRIBE):
- [ ] LEASE
- [ ] VERBAL AGREEMENT

DATE OF AGREEMENT:

MINERAL RIGHTS OWNER (ATTACH LIST IF MORE THAN ONE): Same as above

ADDRESS:

CITY	STATE	ZIP CODE

SOURCE OF RIGHT TO MINE (CHECK ONE):

- [ ] MINERAL DEED
- [ ] WARRANTY DEED
- [ ] OTHER (DESCRIBE):
- [ ] LEASE
- [ ] VERBAL AGREEMENT

DATE OF AGREEMENT:

FEB 05 199
MISSOURI LAND
RECLAMATION COMMISSION

NOTE: Each site must be shown on a map and be included in a public notice and an approved mine plan.

MISSOURI DEPARTMENT NATURAL RESOURCES
LAND RECLAMATION COMMISSION
MINE PLAN

P.O. BOX 176
JEFFERSON CITY, MO 65102

TYPE OF PLAN (CHECK ONE):

☐ SHORT TERM, FOR ONE PERMIT YEAR

☒ LONG TERM, FOR PERIOD THROUGH DATE: February 8, 1998 - February 8, ~~1998~~ 2022 - Cape Girardeau

DESCRIPTION OF SITE PRIOR TO LAND RECLAMATION COMMISSION PERMITTING (BY APPLICANT OR PRIOR OPERATOR), INCLUDING SOIL, VEGETATION AND TOPOGRAPHY.

This 10 acre area is the location of the old cement plant that was removed in 1955. It is presently a jagged area of broken concrete and twisted steel. This area does not have any soil. It is mostly covered with weeds and small shrubs.

OPERATION PLAN - 10 CSR 40-10.020(2)(D)1.

A. TOPSOIL

AVERAGE DEPTH OF TOPSOIL, PRIOR TO LAND RECLAMATION COMMISSION PERMITTING	IS TOPSOIL TO BE SOLD OR DISCARDED OFFSITE?
None 0 INCHES	☐ YES OR ☒ NO

DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL REMOVAL

None

DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL STORAGE AND PROTECTION

None

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FEB 05 1993
LAND RECLAMATION COMMISSION

B. SPOIL

DESCRIBE METHODS AND LOCATION OF SPOIL PLACEMENT AND DISPOSAL

This 10 acre area will be used for placement of overburden. The sides will be graded to a maximum of (3:1) slope. Part of this area will be topped with crushed stone to make a storage area and parking lot, the remainder will be topped with soil and seeded.

C. ACID MATERIALS

DESCRIBE METHODS AND EQUIPMENT USED FOR HANDLING ACID MATERIALS (IF NONE IS ANTICIPATED, WRITE "NONE" BELOW)

None

D. PIT INFORMATION (GIVE ALL DIMENSIONS IN FEET)

DESCRIBE LOCATION AND ORIENTATION OF PIT, IF NOT CLEAR ON SITE MAPS

On map

YES	NO	
☐	☒	Will any excavation be at or within fifty feet (50') of the right-of-way of any public road?
☐	☒	Will any highwall consisting of unconsolidated materials be left within fifty feet of the right-of-way of any public road? (NOTE: For unconsolidated materials left in place, a slope of no more than forty degrees may start near the right of way, and in no case may the excavation be closer to the right of way than fifty feet or twenty-five feet plus one and one-half (1-½) times the depth of unconsolidated material, whichever is greater, unless a variance is granted by the Commission.)
☐	☒	Will any excavation start at or within fifty feet (50') of any property line? (NOTE: If the answer is "yes", a safety barrier may be needed.)

RECLAMATION PLAN - 10 CSR 40-1 [illegible]0(2)(D)2.

A. REVEGETATION. (Attach additional sheets, if needed)

REVEGETATION MIX #1	PURPOSE OR LAND USE	B. SEEDING OR PLANTING TIME
#1	Pasture	Spring (March to June)

DESCRIBE METHODS AND EQUIPMENT TO BE USED FOR SEEDING OR PLANTING

During the first spring following topsoil replacement the seed mix will be broadcast and harrowed. Reseeding will be done as needed to achieve grass cover sufficient to control erosion and to support pasture.

Lime and fertilizer will be applied according to recommendations made, based on an analysis of soil texture and nutrients. Mulch will be applied to all slopes exceeding 5:1.

SEEDED SPECIES	POUNDS/ACRE	TREE OR SHRUB SPECIES	STEMS/ACRE
Orchard grass	15		
Alfalfa	15		

REVEGETATION MIX #2	PURPOSE OR LAND USE	B. SEEDING OR PLANTING TIME
#2	Wildlife	Spring (March to June)

DESCRIBE METHODS AND EQUIPMENT TO BE USED FOR SEEDING OR PLANTING

During the first spring following topsoil replacement the seed mix will be broadcast and harrowed. Reseeding will be done as needed.

Lime and fertilizer will be applied according to recommendations made, based on an analysis of soil texture and nutrients. Mulch will be applied to all slopes exceeding 5:1.

SEEDED SPECIES	POUNDS/ACRE	TREE OR SHRUB SPECIES	STEMS/ACRE
Red Clover	5		
White Clover	1		
Pasture mix	20		

FEB 0 1993
LAND
RECLAMATION COMMISSION

ATTACH ADDITIONAL SHEETS FOR ADDITIONAL SEED MIXES.

B. GRADING

DESCRIBE PROPOSED RECLAIMED TOPOGRAPHY, INCLUDING SLOPES

The spoil pile located on the 10 acres will be graded to a slope transferable by farm machinery. Part of this area will be topped with crushed stone and the remainder will be topped with soil and seeded.

C. DESCRIBE THE GENERAL SEQUENCE AND TIMING OF THE FOLLOWING ACTIVITIES

GRADING

As the spoil pile advances it will be graded within one year to a maximum slope of (3:1).

REPLACEMENT OF TOPSOIL

Crushed stone will be spread and compacted within one year on the areas for storage and parking. Topsoil will be placed within one year of the final grading to a minimum depth of twelve inches.

REVEGETATION

All topsoil areas will be seeded during the first spring following topsoil replacement. Seed mix #1 will be used on the top flat area and seed mix #2 will be used around the edges.

AVERAGE DEPTH OF REPLACED TOPSOIL (INCHES)

Twelve inch minimum

D. USE OF LAND WHEN RECLAIMED

Estimate acreage of each land use below, after reclamation	ESTIMATED ACRES:
Wildlife (forest or other habitat with livestock excluded)	1
Agricultural (pasture, cropland, and horticultural)	2
Development (residential, industrial, and recreational)	7
Water impoundments (for wildlife, agricultural, or development)	

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RECLAMATION CO. AMIS

By my signature, I attest to the following:

1. All statements made on this Mine Plan Form are correct, complete, and true, to the best of my knowledge.

2. I or the company I am authorized to represent intend(s) to mine in accordance with this Mine Plan Form, and in accordance with the Missouri Land Reclamation Act, Sections 444.760 through 444.789, RSMo (Supp. 1990), and all rules, regulations, orders, decisions and permits of the Missouri Land Reclamation Commission pertaining to my company's surface mining operations.

3. I have obtained the approval of all landowner's for all proposed post-reclamation land uses.

4. I have a valid agreement with all landowners which gives me the right to grant access to the Director of the Missouri Land Reclamation Commission and his authorized representatives, and I grant such access, and further where I have no such right, I have attached signed affidavits from the landowners, granting such access.

FEB 08 1993

LAND RECLAMATION COMMISSION

SIGNATURE OF APPLICANT	TITLE	DATE
John E Burian	Director of Operations, Cape Complex	2-5-93

NOTARY PUBLIC EMBOSSER SEAL	STATE	COUNTY (OR CITY OF ST. LOUIS)
	Missouri	Cape Girardeau
	SUBSCRIBED AND SWORN BEFORE ME, THIS 5th DAY OF February 1993	USE RUBBER STAMP IN CLEAR AREA BELOW
	NOTARY PUBLIC SIGNATURE: Margaret Bowington — MY COMMISSION EXPIRES: 10-20-94	
	NOTARY PUBLIC NAME (TYPED OR PRINTED): Margaret Bowington	

APPROVED BY (DIRECTOR'S REPRESENTATIVE)	DATE APPROVED	PERMIT NUMBER

MISSOURI DEPARTMENT NATURAL RESOURCES
LAND RECLAMATION COMMISSION

SITE INFORMATION FORM

To be completed for each separate area of disturbance associated with mining operations.

SITE NAME OR NUMBER	PERMIT NUMBER
Cape Girardeau	91-376

COMPANY NAME: Lone Star Industries, Inc.

COUNTY	1/4 SECTION	SECTION
Cape Girardeau		13
TOWNSHIP	**RANGE**	**ACRES**
30 N	13 E	14

RIVER OR STREAM NAME (FOR IN-STREAM ACRES):

MINERAL COMMODITY	ESTIMATED TONS/YEAR (FOR GRAVEL SITES)
Limestone	

NAME OF LANDOWNER (ATTACH LIST IF MORE THAN ONE): Lone Star Industries, Inc.

ADDRESS: 2524 S. Sprigg Street

CITY	STATE	ZIP CODE
Cape Girardeau	Missouri	63701

SOURCE OF RIGHT TO MINE (CHECK ONE):

- [ ] MINERAL DEED
- [x] WARRANTY DEED
- [ ] OTHER (DESCRIBE):
- [ ] LEASE
- [ ] VERBAL AGREEMENT

DATE OF AGREEMENT:

MINERAL RIGHTS OWNER (ATTACH LIST IF MORE THAN ONE): (Same as above)

ADDRESS:

CITY	STATE	ZIP CODE

SOURCE OF RIGHT TO MINE (CHECK ONE):

- [ ] MINERAL DEED
- [ ] WARRANTY DEED
- [ ] OTHER (DESCRIBE):
- [ ] LEASE
- [ ] VERBAL AGREEMENT

DATE OF AGREEMENT:

NOTE: Each site must be shown on a map and be included in a public notice and an approved mine plan.

MO 780-1036 (12-91)

MISSOURI DEPARTMENT OF NATURAL RESOURCES
LAND RECLAMATION COMMISSION

SITE INFORMATION FORM

Corrected 12-8-92

To be completed for each separate area of disturbance associated with mining operations.

SITE NAME OR NUMBER	PERMIT NUMBER
Cape Girardeau	91-376

COMPANY NAME: Lone Star Industries, Inc.

COUNTY	1/4 SECTION	SECTION
Cape Girardeau		18

TOWNSHIP	RANGE	ACRES
30 N	14 E	73

RIVER OR STREAM NAME (FOR IN-STREAM ACRES):

MINERAL COMMODITY	ESTIMATED TONS/YEAR (FOR GRAVEL SITES)
Limestone	

NAME OF LANDOWNER (ATTACH LIST IF MORE THAN ONE): Lone Star Industries, Inc.

ADDRESS: 2524 S. Sprigg Street

CITY	STATE	ZIP CODE
Cape Girardeau	Missouri	63701

SOURCE OF RIGHT TO MINE (CHECK ONE):

- [ ] MINERAL DEED
- [ ] LEASE
- [X] WARRANTY DEED
- [ ] VERBAL AGREEMENT
- [ ] OTHER (DESCRIBE):

DATE OF AGREEMENT:

MINERAL RIGHTS OWNER (ATTACH LIST IF MORE THAN ONE): (Same as above)

ADDRESS:

RECEIVED
DEC 09 1992
MISSOURI LAND RECLAMATION COMMISSION

CITY	STATE	ZIP CODE

SOURCE OF RIGHT TO MINE (CHECK ONE):

- [ ] MINERAL DEED
- [ ] LEASE
- [ ] WARRANTY DEED
- [ ] VERBAL AGREEMENT
- [ ] OTHER (DESCRIBE):

DATE OF AGREEMENT:

NOTE: Each site must be shown on a map and be included in a public notice and an approved mine plan.

MO 780-1036 (12-91)

MISSOURI DEPARTMENT C ATURAL RESOURCES
LAND RECLAMATION COMMISSION
MINE PLAN

P.O. BOX 176
JEFFERSON CITY, MO 65102

TYPE OF PLAN (CHECK ONE):

☐ SHORT TERM, FOR ONE PERMIT YEAR

☒ LONG TERM, FOR PERIOD THROUGH DATE: August 31, 2022 - Cape Girardeau -

DESCRIPTION OF SITE PRIOR TO LAND RECLAMATION COMMISSION PERMITTING (BY APPLICANT OR PRIOR OPERATOR), INCLUDING SOIL, VEGETATION AND TOPOGRAPHY.

The Cape Girardeau Portland Cement Company started production at this location in 1910 and portland cement has been produced continuously at this location. Also, several limestone quarries have operated at this location. Therefore, most of this area is active quarry or areas stripped of topsoil prior to permitting. Only about nine acres remain in the southwest corner that was not disturbed prior to permitting. This area is Menfro silt loam with six inches of topsoil and is sloped and heavily wooded.

OPERATION PLAN - 10 CSR 40-10.020(2)(D)1.

A. TOPSOIL

AVERAGE DEPTH OF TOPSOIL, PRIOR TO LAND RECLAMATION COMMISSION PERMITTING

Pit and Quarry Areas - None, Southwest area - 6 INCHES

IS TOPSOIL TO BE SOLD OR DISCARDED OFFSITE?

☐ YES OR ☒ NO

DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL REMOVAL

Trees will be cleared with a dozer. The top twelve inches of soil will be removed with a scraper or dozed into a pile and loaded with a loader into trucks. Topsoil removal will be kept at least twenty feet ahead of the excavation.

DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL STORAGE AND PROTECTION

The topsoil will be stored near the spoil pile in a sloped pile that will be grass seeded to protect it from erosion.

B. SPOIL

DESCRIBE METHODS AND LOCATION OF SPOIL PLACEMENT AND DISPOSAL

Some of the spoil will be moved offsite. Most will be moved to onsite permitted areas that will not be mined in the future. Spoil piles will be graded to a maximum of (3:1) slope. Some of the spoil piles will be topped with crushed stone to produce parking lots or storage areas, most spoil will be topped with soil and seeded.

C. ACID MATERIALS

DESCRIBE METHODS AND EQUIPMENT USED FOR HANDLING ACID MATERIALS (IF NONE IS ANTICIPATED, WRITE "NONE" BELOW)

None

D. PIT INFORMATION (GIVE ALL DIMENSIONS IN FEET)

DESCRIBE LOCATION AND ORIENTATION OF PIT, IF NOT CLEAR ON SITE MAPS

On map

YES	NO	
☐	☒	Will any excavation be at or within fifty feet (50') of the right-of-way of any public road?
☐	☒	Will any highwall consisting of unconsolidated materials be left within fifty feet of the right-of-way of any public road? (NOTE: For unconsolidated materials left in place, a slope of no more than forty degrees may start near the right of way, and in no case may the excavation be closer to the right of way than fifty feet or twenty-five feet plus one and one-half (1-½) times the depth of unconsolidated material, whichever is greater, unless a variance is granted by the Commission.)
☒	☐	Will any excavation start at or within fifty feet (50') of any property line? (NOTE: If the answer is "yes", a safety barrier may be needed.) Safety barrier and a six foot fence are installed.

RECLAMATION PLAN - 10 CSR 40-10.020(2)(D)2.

A. REVEGETATION (Attach additional sheets, if needed)

REVEGETATION MIX #1	PURPOSE OR LAND USE	B. SEEDING OR PLANTING TIME
#1	Pasture	Spring (March to June)

DESCRIBE METHODS AND EQUIPMENT TO BE USED FOR SEEDING OR PLANTING

During the first spring following topsoil replacement the seed mix will be broadcast and harrowed. Reseeding will be done as needed to achieve grass cover sufficient to control erosion and to support pasture.

Lime and fertilizer will be applied according to recommendations made, based on an analysis of soil texture and nutrients. Mulch will be applied to all slopes exceeding 5:1.

SEEDED SPECIES	POUNDS/ACRE	TREE OR SHRUB SPECIES	STEMS/ACRE
Orchard grass	15		
Alfalfa	15		

REVEGETATION MIX #2	PURPOSE OR LAND USE	B. SEEDING OR PLANTING TIME
#2	Wildlife	Spring (March to June)

DESCRIBE METHODS AND EQUIPMENT TO BE USED FOR SEEDING OR PLANTING

During the first spring following topsoil replacement the seed mix will be broadcast and harrowed. Reseeding will be done as needed.

Lime and fertilizer will be applied according to recommendations made, based on an analysis of soil texture and nutrients. Mulch will be applied to all slopes exceeding 5:1.

SEEDED SPECIES	POUNDS/ACRE	TREE OR SHRUB SPECIES	STEMS/ACRE
Red Clover	5		
White Clover	1		
Pasture mix	20		

ATTACH ADDITIONAL SHEETS FOR ADDITIONAL SEED MIXES.

B. GRADING

DESCRIBE PROPOSED RECLAIMED TOPOGRAPHY, INCLUDING SLOPES

All spoil piled areas will be graded to a slope transversable by farm machinery. The pit with its rock walls will be allowed to fill with water. This fresh water lake could be a recreation lake stocked with fish or the water supply for the City of Cape Girardeau.

C. DESCRIBE THE GENERAL SEQUENCE AND TIMING OF THE FOLLOWING ACTIVITIES

GRADING

Removal of topsoil and spoil will be done as the pit advances. As the spoil pile advances it will be graded within one year to a maximum slope of (3:1).

REPLACEMENT OF TOPSOIL

Topsoil will be placed within one year after final grading to a minimum depth of twelve inches.

REVEGETATION

All topsoil areas will be seeded during the first spring following topsoil replacement.

AVERAGE DEPTH OF REPLACED TOPSOIL (INCHES)

Twelve inches minimum

D. USE OF LAND WHEN RECLAIMED

Estimate acreage of each land use below, after reclamation	ESTIMATED ACRES:
Wildlife (forest or other habitat with livestock excluded)	7
Agricultural (pasture, cropland, and horticultural)	5
Development (residential, industrial, and recreational)	10
Water impoundments (for wildlife, agricultural, or development)	68

By my signature, I attest to the following:

1. All statements made on this Mine Plan Form are correct, complete, and true, to the best of my knowledge.

2. I or the company I am authorized to represent intend(s) to mine in accordance with this Mine Plan Form, and in accordance with the Missouri Land Reclamation Act, Sections 444.760 through 444.789, RSMo (Supp. 1990), and all rules, regulations, orders, decisions and permits of the Missouri Land Reclamation Commission pertaining to my company's surface mining operations.

3. I have obtained the approval of all landowner's for all proposed post-reclamation land uses.

4. I have a valid agreement with all landowners which gives me the right to grant access to the Director of the Missouri Land Reclamation Commission and his authorized representatives, and I grant such access, and further where I have no such right, I have attached signed affidavits from the landowners, granting such access.

SIGNATURE OF APPLICANT	TITLE	DATE
John C. Brown	Director of Operations, Cape Complex	8-13-92

NOTARY PUBLIC EMBOSSER SEAL	STATE	COUNTY (OR CITY OF ST. LOUIS)
	Missouri	Cape Girardeau
	SUBSCRIBED AND SWORN BEFORE ME, THIS 13th DAY OF August 1992	USE RUBBER STAMP IN CLEAR AREA BELOW
	NOTARY PUBLIC SIGNATURE: Margaret Bowington	MY COMMISSION EXPIRES: 10/20/94
	NOTARY PUBLIC NAME (TYPED OR PRINTED): Margaret Bowington	

APPROVED BY (DIRECTOR'S REPRESENTATIVE)	DATE APPROVED	PERMIT NUMBER
[illegible]	12-15-92	376

RECEIVED

APR 27 2001

MISSOURI LAND RECLAMATION COMMISSION

MISSOURI DEPARTMENT OF NATURAL RESOURCES
LAND RECLAMATION COMMISSION

SITE INFORMATION FORM

To be completed for each separate area of disturbance associated with mining operations.

SITE NAME OR NUMBER	PERMIT NUMBER
Scott City	#0376

COMPANY NAME: Lone Star Industries, Inc.

COUNTY	1/4 SECTION	SECTION
Scott	SW,NW,NE,SE	28
TOWNSHIP	**RANGE**	**ACRES**
30 N	14 E	57

RIVER OR STREAM NAME (FOR IN-STREAM ACRES):

MINERAL COMMODITY	ESTIMATED TONS/YEAR (FOR GRAVEL SITES)
Limestone	

NAME OF LANDOWNER (ATTACH LIST IF MORE THAN ONE): Lone Star Industries, Inc.

ADDRESS: 2524 S. Sprigg St.

CITY	STATE	ZIP CODE
Cape Girardeau	MO	63703

SOURCE OF RIGHT TO MINE (CHECK ONE):

- [ ] MINERAL DEED
- [x] WARRANTY DEED
- [ ] OTHER (DESCRIBE):
- [ ] LEASE
- [ ] VERBAL AGREEMENT

DATE OF AGREEMENT:

MINERAL RIGHTS OWNER (ATTACH LIST IF MORE THAN ONE): Same as above

ADDRESS:

CITY	STATE	ZIP CODE

SOURCE OF RIGHT TO MINE (CHECK ONE):

- [ ] MINERAL DEED
- [ ] WARRANTY DEED
- [ ] OTHER (DESCRIBE):
- [ ] LEASE
- [ ] VERBAL AGREEMENT

DATE OF AGREEMENT:

NOTE: Each site must be shown on a map and be included in a public notice and an approved mine plan.

MO 780-1036 (12-91)

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APR 27 01

MISSOURI LAND RECLAMATION COMMISSION

MISSOURI DEPARTMENT OF NATURAL RESOURCES
LAND RECLAMATION COMMISSION
MINE PLAN

P.O. BOX 176
JEFFERSON CITY, MO 65102

TYPE OF PLAN (CHECK ONE):

☐ SHORT TERM, FOR ONE PERMIT YEAR

☒ LONG TERM, FOR PERIOD THROUGH DATE: April 15, 2025

COMPANY NAME Lone Star Industries, Inc.

DESCRIPTION OF SITE PRIOR TO LAND RECLAMATION COMMISSION PERMITTING (BY APPLICANT OR PRIOR OPERATOR), INCLUDING SOIL, VEGETATION AND TOPOGRAPHY.

This 57 acres site is mostly covered with trees and has areas of limestone outcrops. It has very steep eroded slopes. The subsoil is a hard fine clay and most of the topsoil has been eroded away. The only topsoil is on the ridge tops and held by the tree roots. The north area is bordered on the north by State Route AB and the south area is bordered on the east by Route K.

OPERATION PLAN - 10 CSR 40-10.020(2)(D)1.

A. TOPSOIL

AVERAGE DEPTH OF TOPSOIL, PRIOR TO LAND RECLAMATION COMMISSION PERMITTING	IS TOPSOIL TO BE SOLD OR DISCARDED OFFSITE?
One INCHES	☐ YES OR ☒ NO

DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL REMOVAL

The trees will be cleared from this area. The topsoil will be removed with a scraper or dozed into a pile and loaded into trucks. The topsoil removal will be kept at least 20 feet ahead of the excavation.

DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL STORAGE AND PROTECTION

The topsoil will be stored in a shaped pile that will be seeded to protect it from erosion.

B. SPOIL

DESCRIBE METHODS AND LOCATION OF SPOIL PLACEMENT AND DISPOSAL

The spoil removed to expose the limestone will be moved to an area that will not be mined in the future. This area will be permitted before being used. The spoil pile will be graded to a maximum (3:1) slope before topsoil is spread and seed planted. Some of the spoil will be moved offsite.

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MISSOURI LAND
RECLAMATION COMMISSION

C. ACID MATERIALS

DESCRIBE METHODS AND EQUIPMENT USED FOR HANDLING ACID MATERIALS (IF NONE IS ANTICIPATED, WRITE "NONE" BELOW)

None

D. PIT INFORMATION (GIVE ALL DIMENSIONS IN FEET)

DESCRIBE LOCATION AND ORIENTATION OF PIT, IF NOT CLEAR ON SITE MAPS

On map

YES	NO	
☐	☒	Will any excavation be at or within fifty feet (50') of the right-of-way of any public road?
☐	☒	Will any highwall consisting of unconsolidated materials be left within fifty feet of the right-of-way of any public road? (NOTE: For unconsolidated materials left in place, a slope of no more than forty degrees may start near the right of way, and in no case may the excavation be closer to the right of way than fifty feet or twenty-five feet plus one and one-half (1-½) times the depth of unconsolidated material, whichever is greater, unless a variance is granted by the Commission.)
☐	☒	Will any excavation start at or within fifty feet (50') of any property line? (NOTE: If the answer is "yes", a safety barrier may be needed.)

RECLAMATION PLAN - 10 CSR 40-10.020(2)(D)2.

A. REVEGETATION (Attach additional sheets, if needed)

REVEGETATION MIX #1	PURPOSE OR LAND USE	B. SEEDING OR PLANTING TIME
#1	Pasture	Spring (March to June)

DESCRIBE METHODS AND EQUIPMENT TO BE USED FOR SEEDING OR PLANTING

During the first spring following topsoil replacement the seed mix will be broadcast and harrowed. Reseeding will be done as needed to achieve gross cover sufficient to control erosion and to support pasture.

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MISSOURI LAND RECLAMATION COMMISSION

Lime and fertilizer will be applied according to recommendations made, based on an analysis of soil texture and nutrients. Mulch will be applied to all slopes exceeding 5:1.

SEEDED SPECIES	POUNDS/ACRE	TREE OR SHRUB SPECIES	STEMS/ACRE
Orchard Grass	30		
Alfalfa	15		

REVEGETATION MIX #2	PURPOSE OR LAND USE	B. SEEDING OR PLANTING TIME
#2	Wildlife	Spring (March to June)

DESCRIBE METHODS AND EQUIPMENT TO BE USED FOR SEEDING OR PLANTING

During the first spring following topsoil replacement the seed mix will be broadcast and harrowed. Reseeding will be done as needed.

Lime and fertilizer will be applied according to recommendations made, based on an analysis of soil texture and nutrients. Mulch will be applied to all slopes exceeding 5:1.

SEEDED SPECIES	POUNDS/ACRE	TREE OR SHRUB SPECIES	STEMS/ACRE
Red Clover	15		
White Clover	10		
Pasture Mix	20		

ATTACH ADDITIONAL SHEETS FOR ADDITIONAL SEED MIXES.

B. GRADING

DESCRIBE PROPOSED RECLAIMED TOPOGRAPHY, INCLUDING SLOPES

All spoil piled areas will be graded to a slope transversable by farm machinery. The pit with its rock walls will be allowed to fill with water. This fresh water lake could be a recreation lake stocked with fish and/or the water supply for Scott City.

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APR 2 7 2001

MISSOURI LAND
RECLAMATION COMMISSION

C. DESCRIBE THE GENERAL SEQUENCE AND TIMING OF THE FOLLOWING ACTIVITIES

GRADING

Removal of topsoil and spoil will be done as the pit advances. As the spoil pile advances it will be graded within one year to a maximum slope of (3:1).

REPLACEMENT OF TOPSOIL

Topesoil will be placed within one year after final grading to a minimum depth of twelve inches.

SEEDING

All topsoil areas will be seeded during the first spring following topsoil replacement.

AVERAGE DEPTH OF REPLACED TOPSOIL (INCHES)

Twelve (12) inches will be the minimum

D. USE OF LAND WHEN RECLAIMED

Estimate acreage of each land use below, after reclamation	ESTIMATED ACRES:
Wildlife (forest or other habitat with livestock excluded)	
Agricultural (pasture, cropland, and horticultural)	
Development (residential, industrial, and recreational)	
Water impoundments (for wildlife, agricultural, or development)	57

By my signature, I attest to the following:

1. All statements made on this Mine Plan Form are correct, complete, and true, to the best of my knowledge.

2. I or the company I am authorized to represent intend(s) to mine in accordance with this Mine Plan Form, and in accordance with the Missouri Land Reclamation Act, Sections 444.760 through 444.789, RSMo and all rules, regulations, orders, decisions and permits of the Missouri Land Reclamation Commission pertaining to my company's surface mining operations.

3. I have obtained the approval of all landowner's for all proposed post-reclamation land uses.

4. I have a valid agreement with all landowners which gives me the right to grant access to the Director of the Missouri Land Reclamation Commission and his authorized representatives, and I grant such access, and further where I have no such right, I have attached signed affidavits from the landowners, granting such access.

RECEIVED
APR 27 2001
MISSOURI LAND RECLAMATION COMMISSION

SIGNATURE OF APPLICANT	TITLE	DATE
W. Steven Jens, Jr.	Plant Manager	April 12, 2001

NOTARY PUBLIC EMBOSSER SEAL	STATE	COUNTY (OR CITY OF ST. LOUIS)
	Missouri	Scott
	SUBSCRIBED AND SWORN BEFORE ME, THIS 12th DAY OF April 2001	USE RUBBER STAMP IN CLEAR AREA BELOW
	NOTARY PUBLIC SIGNATURE: Theresa Pepple — MY COMMISSION EXPIRES: 5-21-02	THERESA PEPPLE Notary Public - Notary Seal STATE OF MISSOURI Scott County My Commission Expires: 05-21-2002
	NOTARY PUBLIC NAME (TYPED OR PRINTED): Theresa Pepple	

APPROVED BY (DIRECTOR'S REPRESENTATIVE)	DATE APPROVED	PERMIT NUMBER
[signature]	6/8/01	0376

MO 780-1327 (12-91)

MISSOURI DEPARTMENT OF NATURAL RESOURCES
LAND RECLAMATION COMMISSION

SITE INFORMATION FORM

RECEIVED
AUG 20 1998
MISSOURI LAND RECLAMATION COMMISSION

To be completed for each separate area of disturbance associated with mining operations.

SITE NAME OR NUMBER: Scott City	PERMIT NUMBER: 376

COMPANY NAME: Lone Star Industries, Inc.

COUNTY	1/4 SECTION	SECTION
Scott	SE, SW, NE, NW	28
TOWNSHIP	**RANGE**	**ACRES**
30N	14E	47

RIVER OR STREAM NAME (FOR IN-STREAM ACRES):

MINERAL COMMODITY: Limestone	ESTIMATED TONS/YEAR (FOR GRAVEL SITES):

NAME OF LANDOWNER (ATTACH LIST IF MORE THAN ONE): Lone Star Industries, Inc.

ADDRESS: 2524 So. Sprigg Street

CITY	STATE	ZIP CODE
Cape Girardeau,	MO	63703

SOURCE OF RIGHT TO MINE (CHECK ONE):

- [ ] MINERAL DEED
- [x] WARRANTY DEED
- [ ] OTHER (DESCRIBE):
- [ ] LEASE
- [ ] VERBAL AGREEMENT

DATE OF AGREEMENT:

MINERAL RIGHTS OWNER (ATTACH LIST IF MORE THAN ONE): Same as above

ADDRESS:

CITY	STATE	ZIP CODE

SOURCE OF RIGHT TO MINE (CHECK ONE):

- [ ] MINERAL DEED
- [ ] WARRANTY DEED
- [ ] OTHER (DESCRIBE):
- [ ] LEASE
- [ ] VERBAL AGREEMENT

DATE OF AGREEMENT:

NOTE: Each site must be shown on a map and be included in a public notice and an approved mine plan.

MO 780-1036 (12-91)

MISSOURI DEPARTMENT OF NATURAL RESOURCES
LAND RECLAMATION COMMISSION
MINE PLAN

RECEIVED
AUG 2 0 1993

P.O. BOX 176
JEFFERSON CITY, MO 65102

TYPE OF PLAN (CHECK ONE):
☐ SHORT TERM, FOR ONE PERMIT YEAR
☒ LONG TERM, FOR PERIOD THROUGH DATE: 8/31/2023

COMPANY NAME Lone Star Industries, Inc.

DESCRIPTION OF SITE PRIOR TO LAND RECLAMATION COMMISSION PERMITTING (BY APPLICANT OR PRIOR OPERATOR), INCLUDING SOIL, VEGETATION AND TOPOGRAPHY.

This 47 acre site is covered with trees and has areas of limestone outcrops. It has very steep eroded slopes. The subsoil is a hard fine clay and most of the topsoil has been eroded away. The only topsoil is on the ridge tops and held by the tree roots. This area is bordered on the east by Route K.

OPERATION PLAN - 10 CSR 40-10.020(2)(D)1.

A. TOPSOIL

AVERAGE DEPTH OF TOPSOIL, PRIOR TO LAND RECLAMATION COMMISSION PERMITTING: 3 INCHES

IS TOPSOIL TO BE SOLD OR DISCARDED OFFSITE? ☐ YES OR ☒ NO

DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL REMOVAL

The trees will be cleared from this area. The topsoil will be removed with a scraper or dozed into a pile and loaded into trucks. The topsoil removal will be kept at least 20 feet ahead of the excavation.

DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL STORAGE AND PROTECTION

The topsoil will be stored in a shaped pile that will be seeded to protect it from erosion.

RECEIVED
AUG 20 1998
MISSOURI LAND
RECLAMATION COMMISSION

B. SPOIL

DESCRIBE METHODS AND LOCATION OF SPOIL PLACEMENT AND DISPOSAL

The spoil removed to expose the limestone will be moved to an area that will not be mined in the future. This area will be permitted before being used. The spoil pile will be graded to a maximum (3:1) slope before topsoil is spread and seed planted. Some of the spoil will be moved offsite.

C. ACID MATERIALS

DESCRIBE METHODS AND EQUIPMENT USED FOR HANDLING ACID MATERIALS (IF NONE IS ANTICIPATED, WRITE "NONE" BELOW)

None

D. PIT INFORMATION (GIVE ALL DIMENSIONS IN FEET)

DESCRIBE LOCATION AND ORIENTATION OF PIT, IF NOT CLEAR ON SITE MAPS

On map

YES	NO	
☐	☒	Will any excavation be at or within fifty feet (50') of the right-of-way of any public road?
☐	☒	Will any highwall consisting of unconsolidated materials be left within fifty feet of the right-of-way of any public road? (NOTE: For unconsolidated materials left in place, a slope of no more than forty degrees may start near the right of way, and in no case may the excavation be closer to the right of way than fifty feet or twenty-five feet plus one and one-half (1-½) times the depth of unconsolidated material, whichever is greater, unless a variance is granted by the Commission.)
☐	☒	Will any excavation start at or within fifty feet (50') of any property line? (NOTE: If the answer is "yes", a safety barrier may be needed.)

RECEIVED
AUG 2 0 1998
MISSOURI LAND
RECLAMATION COMMISSION

RECLAMATION PLAN - 10 CSR 40-10.020(2)(D)2.

A. REVEGETATION (Attach additional sheets, if needed)

REVEGETATION MIX #1	PURPOSE OR LAND USE	B. SEEDING OR PLANTING TIME
#1	Pasture	Spring (March to June)

DESCRIBE METHODS AND EQUIPMENT TO BE USED FOR SEEDING OR PLANTING

During the first spring following topsoil replacement the seed mix will be broadcast and harrowed. Reseeding will be done as needed to achieve gross cover sufficient to control erosion and to support pasture.

Lime and fertilizer will be applied according to recommendations made, based on an analysis of soil texture and nutrients. Mulch will be applied to all slopes exceeding 5:1.

SEEDED SPECIES	POUNDS/ACRE	TREE OR SHRUB SPECIES	STEMS/ACRE
Orchard grass	30		
Alfalfa	15		

REVEGETATION MIX #2	PURPOSE OR LAND USE	B. SEEDING OR PLANTING TIME
#2	Wildlife	Spring (March to June)

DESCRIBE METHODS AND EQUIPMENT TO BE USED FOR SEEDING OR PLANTING

Durign the first spring following topsoil replacement the seed mix will be broadcast and harrowed. Reseeding will be done as needed.

Lime and fertilizer will be applied according to recommendations made, based on an analysis of soil texture and nutrients. Mulch will be applied to all slopes exceeding 5:1.

SEEDED SPECIES	POUNDS/ACRE	TREE OR SHRUB SPECIES	STEMS/ACRE
Red clover	15		
White clover	10		
Pasture mix	20		

ATTACH ADDITIONAL SHEETS FOR ADDITIONAL SEED MIXES.

B. GRADING

DESCRIBE PROPOSED RECLAIMED TOPOGRAPHY, INCLUDING SLOPES

All spoil piled areas will be graded to a slope transversable by farm machinery. The pit with its rock walls will be allowed to fill with water. This fresh water lake could be a recreation lake stocked with fish and/or the water supply for Scott City.

RECEIVED
AUG 20 1998
MISSOURI LAND
RECLAMATION COMMISSION

C. DESCRIBE THE GENERAL SEQUENCE AND TIMING OF THE FOLLOWING ACTIVITIES

GRADING

Removal of topsoil and spoil will be done as the pit advances. As the spoil pile advances it will be graded within one year to a maximum slope of (3:1).

REPLACEMENT OF TOPSOIL

Topsoil will be placed within one year after final grading to a minimum depth of twelve inches.

REVEGETATION

All topsoil areas will be seeded during the first spring following topsoil replacement.

AVERAGE DEPTH OF REPLACED TOPSOIL (INCHES)
Twelve inches minimum

D. USE OF LAND WHEN RECLAIMED Estimate acreage of each land use below, after reclamation	ESTIMATED ACRES:
Wildlife (forest or other habitat with livestock excluded)	
Agricultural (pasture, cropland, and horticultural)	
Development (residential, industrial, and recreational)	
Water impoundments (for wildlife, agricultural, or development)	47

By my signature, I attest to the following:

1. All statements made on this Mine Plan Form are correct, complete, and true, to the best of my knowledge.

2. I or the company I am authorized to represent intend(s) to mine in accordance with this Mine Plan Form, and in accordance with the Missouri Land Reclamation Act, Sections 444.760 through 444.789, RSMo and all rules, regulations, orders, decisions and permits of the Missouri Land Reclamation Commission pertaining to my company's surface mining operations.

3. I have obtained the approval of all landowner's for all proposed post-reclamation land uses.

4. I have a valid agreement with all landowners which gives me the right to grant access to the Director of the Missouri Land Reclamation Commission and his authorized representatives, and I grant such access, and further where I have no such right, I have attached signed affidavits from the landowners, granting such access.

RECEIVED
AUG 20 1998
MISSOURI LAND
RECLAMATION COMMISSION

SIGNATURE OF APPLICANT	TITLE	DATE
W. Steven Theis, Jr.	Plant Manager	8-19-98

NOTARY PUBLIC EMBOSSER SEAL	STATE	COUNTY (OR CITY OF ST. LOUIS)
	Missouri	Cape Girardeau
	SUBSCRIBED AND SWORN BEFORE ME. THIS 19th DAY OF August 19 98	USE RUBBER STAMP IN CLEAR AREA BELOW
	NOTARY PUBLIC SIGNATURE: Margaret Bowington — MY COMMISSION EXPIRES: 10-20-98	
	NOTARY PUBLIC NAME (TYPED OR PRINTED): Margaret Bowington	

APPROVED BY (DIRECTOR'S REPRESENTATIVE)	DATE APPROVED	PERMIT NUMBER
William S. Seaman	8-28-98	0376

MISSOURI DEPARTMENT OF NATURAL RESOURCES
LAND RECLAMATION COMMISSION

SITE INFORMATION FORM

To be completed for each separate area of disturbance associated with mining operations.

SITE NAME OR NUMBER	PERMIT NUMBER
Scott City	91-376

COMPANY NAME: Lone Star Industries, Inc.

COUNTY	1/4 SECTION	SECTION
Scott		28
TOWNSHIP	**RANGE**	**ACRES**
30 N	14 E	46

RIVER OR STREAM NAME (FOR IN-STREAM ACRES):

MINERAL COMMODITY	ESTIMATED TONS/YEAR (FOR GRAVEL SITES)
Limestone	

NAME OF LANDOWNER (ATTACH LIST IF MORE THAN ONE): Lone Star Industries, Inc.

ADDRESS: 2524 S. Sprigg Street

CITY	STATE	ZIP CODE
Cape Girardeau	Missouri	63701

SOURCE OF RIGHT TO MINE (CHECK ONE):

- [ ] MINERAL DEED
- [x] WARRANTY DEED
- [ ] LEASE
- [ ] VERBAL AGREEMENT
- [ ] OTHER (DESCRIBE):

DATE OF AGREEMENT:

MINERAL RIGHTS OWNER (ATTACH LIST IF MORE THAN ONE): (Same as above)

ADDRESS:

CITY	STATE	ZIP CODE

SOURCE OF RIGHT TO MINE (CHECK ONE):

- [ ] MINERAL DEED
- [ ] WARRANTY DEED
- [ ] LEASE
- [ ] VERBAL AGREEMENT
- [ ] OTHER (DESCRIBE):

DATE OF AGREEMENT:

NOTE: Each site must be shown on a map and be included in a public notice and an approved mine plan.

MISSOURI DEPARTMENT O ATURAL RESOURCES
LAND RECLAMATION COMMISSION

MINE PLAN

P.O. BOX 176
JEFFERSON CITY, MO 65102

TYPE OF PLAN (CHECK ONE):

☐ SHORT TERM, FOR ONE PERMIT YEAR

☒ LONG TERM, FOR PERIOD THROUGH DATE: August 31, 2022 - Scott City -

DESCRIPTION OF SITE PRIOR TO LAND RECLAMATION COMMISSION PERMITTING (BY APPLICANT OR PRIOR OPERATOR), INCLUDING SOIL, VEGETATION AND TOPOGRAPHY.

Scott City

The 46 acres permitted for mining is indicated on the map. Most of this area is steeply sloped and heavily wooded. The topsoil is classified by the SCS as Memphis silt loam.

OPERATION PLAN - 10 CSR 40-10.020(2)(D)1.

A. TOPSOIL

AVERAGE DEPTH OF TOPSOIL, PRIOR TO LAND RECLAMATION COMMISSION PERMITTING	IS TOPSOIL TO BE SOLD OR DISCARDED OFFSITE?
From SCS Book 5 INCHES	☐ YES OR ☒ NO

DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL REMOVAL

Trees will be cleared with a dozer. The top 12 inches of soil will be removed with a scraper or dozed into a pile and loaded with a loader into trucks. Topsoil removal will be kept at least 20 feet ahead of the excavation.

DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL STORAGE AND PROTECTION

The topsoil will be stored near the spoil pile in a shaped pile that will be grass seeded to protect it from erosion.

B. SPOIL

DESCRIBE METHODS AND LOCATION OF SPOIL PLACEMENT AND DISPOSAL

The spoil removed to expose the limestone will be moved to an area that will not be mined in the future. This lay down area will be permitted before being used. The spoil pile will be graded to a maximum (3:1) slop before topsoil is spread and seed planted. Some of the spoil will be moved offsite.

C. ACID MATERIALS

DESCRIBE METHODS AND EQUIPMENT USED FOR HANDLING ACID MATERIALS (IF NONE IS ANTICIPATED, WRITE "NONE" BELOW)

None

D. PIT INFORMATION (GIVE ALL DIMENSIONS IN FEET)

DESCRIBE LOCATION AND ORIENTATION OF PIT, IF NOT CLEAR ON SITE MAPS

On map

YES	NO	
☐	☒	Will any excavation be at or within fifty feet (50') of the right-of-way of any public road?
☐	☒	Will any highwall consisting of unconsolidated materials be left within fifty feet of the right-of-way of any public road? (NOTE: For unconsolidated materials left in place, a slope of no more than forty degrees may start near the right of way, and in no case may the excavation be closer to the right of way than fifty feet or twenty-five feet plus one and one-half (1-½) times the depth of unconsolidated material, whichever is greater, unless a variance is granted by the Commission.)
☐	☒	Will any excavation start at or within fifty feet (50') of any property line? (NOTE: If the answer is "yes", a safety barrier may be needed.)

RECLAMATION PLAN - 10 CSR 40-10.020(2)(D)2.

A. REVEGETATION (Attach additional sheets, if needed)

REVEGETATION MIX #1	PURPOSE OR LAND USE	B. SEEDING OR PLANTING TIME
#1	Pasture	Spring (March to June)

DESCRIBE METHODS AND EQUIPMENT TO BE USED FOR SEEDING OR PLANTING

During the first spring following topsoil replacement the seed mix will be broadcast and harrowed. Reseeding will be done as needed to achieve gross cover sufficient to control erosion and to support pasture.

Lime and fertilizer will be applied according to recommendations made, based on an analysis of soil texture and nutrients. Mulch will be applied to all slopes exceeding 5:1.

SEEDED SPECIES	POUNDS/ACRE	TREE OR SHRUB SPECIES	STEMS/ACRE
Orchard grass	15		
Alfalfa	15		

REVEGETATION MIX #2	PURPOSE OR LAND USE	B. SEEDING OR PLANTING TIME
#2	Wildlife	Spring (March to June)

DESCRIBE METHODS AND EQUIPMENT TO BE USED FOR SEEDING OR PLANTING

During the first spring following topsoil replacement the seed mix will be broadcast and harrowed. Reseeding will be done as needed.

Lime and fertilizer will be applied according to recommendations made, based on an analysis of soil texture and nutrients. Mulch will be applied to all slopes exceeding 5:1.

SEEDED SPECIES	POUNDS/ACRE	TREE OR SHRUB SPECIES	STEMS/ACRE
Red Clover	5		
White Clover	1		
Pasture Mix	20		

ATTACH ADDITIONAL SHEETS FOR ADDITIONAL SEED MIXES.

B. GRADING

DESCRIBE PROPOSED RECLAIMED TOPOGRAPHY, INCLUDING SLOPES

All spoil piled areas will be graded to a slope transversable by farm machinery. The pit with its rock walls will be allowed to fill with water. This fresh water lake could be a recreation lake stocked with fish and/or the water supply for Scott City.

C. DESCRIBE THE GENERAL SEQUENCE AND TIMING OF THE FOLLOWING ACTIVITIES

GRADING

Removal of topsoil and spoil will be done as the pit advances. As the spoil pile advances it will be graded within one year to a maximum slope of (3:1).

REPLACEMENT OF TOPSOIL

Topsoil will be placed within one year after final grading to a minimum depth of twelve inches.

All topsoil areas will be seeded during the first spring following topsoil replacement.

AVERAGE DEPTH OF REPLACED TOPSOIL (INCHES)

Twelve inches minimum

D. USE OF LAND WHEN RECLAIMED

Estimate acreage of each land use below, after reclamation	ESTIMATED ACRES:
Wildlife (forest or other habitat with livestock excluded)	
Agricultural (pasture, cropland, and horticultural)	
Development (residential, industrial, and recreational)	
Water impoundments (for wildlife, agricultural, or development)	46

By my signature, I attest to the following:

1. All statements made on this Mine Plan Form are correct, complete, and true, to the best of my knowledge.

2. I or the company I am authorized to represent intend(s) to mine in accordance with this Mine Plan Form, and in accordance with the Missouri Land Reclamation Act, Sections 444.760 through 444.789, RSMo (Supp. 1990), and all rules, regulations, orders, decisions and permits of the Missouri Land Reclamation Commission pertaining to my company's surface mining operations.

3. I have obtained the approval of all landowner's for all proposed post-reclamation land uses.

4. I have a valid agreement with all landowners which gives me the right to grant access to the Director of the Missouri Land Reclamation Commission and his authorized representatives, and I grant such access, and further where I have no such right, I have attached signed affidavits from the landowners, granting such access.

SIGNATURE OF APPLICANT	TITLE	DATE
X [signature]	Director of Operations, Cape Complex	August 13, 1992

NOTARY PUBLIC EMBOSSER SEAL	STATE	COUNTY (OR CITY OF ST. LOUIS)
	Missouri	Cape Girardeau
	SUBSCRIBED AND SWORN BEFORE ME, THIS 13th DAY OF August 1992	USE RUBBER STAMP IN CLEAR AREA BELOW
	NOTARY PUBLIC SIGNATURE: Margaret Bowington — MY COMMISSION EXPIRES: 10/20/94	
	NOTARY PUBLIC NAME (TYPED OR PRINTED): Margaret Bowington	

APPROVED BY (DIRECTOR'S REPRESENTATIVE)	DATE APPROVED	PERMIT NUMBER
[signature]	12-15-92	376

COMPANY Lone Star Ind. Inc

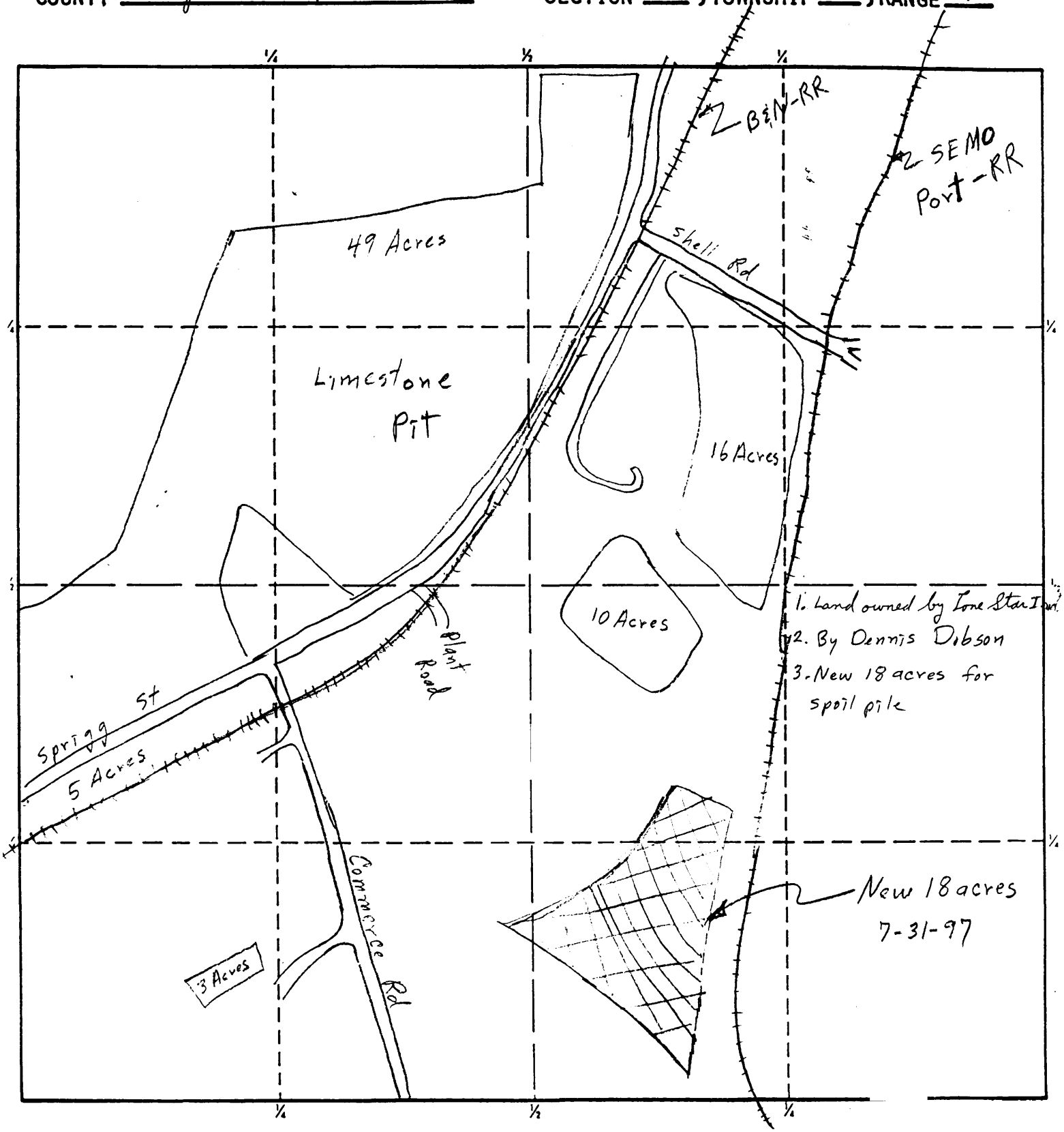
MINE/PIT Pit

COUNTY Cape Girardeau

DATE July 28, 1997

COMMODITY MINED Limestone

SECTION 18, TOWNSHIP 30N, RANGE 14E



SCALE: 8" = 1 MILE

COMPANY Lone Star Ind. Inc

MINE/PIT Pit

COUNTY Cape Girardeau

DATE Aug. 13, 1992

COMMODITY MINED Limestone

SECTION 13, TOWNSHIP 30N, RANGE 13E

3. Land owned by Lone Star Ind.

4. Areas mined before Aug 28, 90

Areas not mined before Aug 28, 90

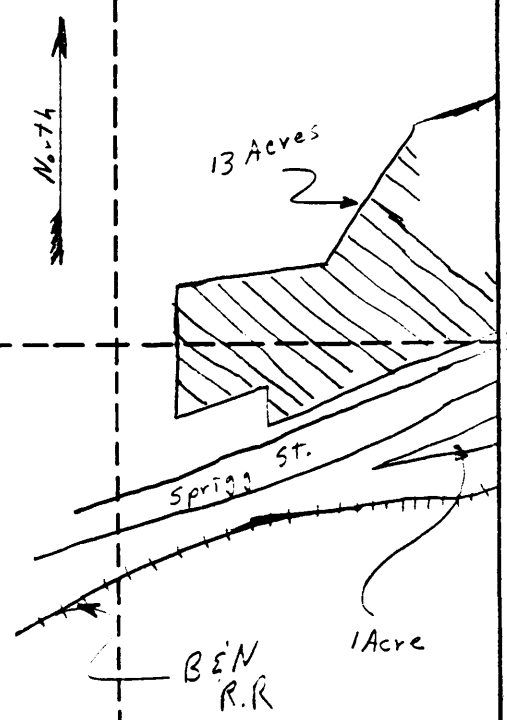
5. Spring St is next to South boundry

6. No Creeks or Streams

7. By Dennis Dobson

8 - Total - 14 acres

RECEIVED
AUG 17 1992
MISSOURI LAND
RECLAMATION COMMISSION

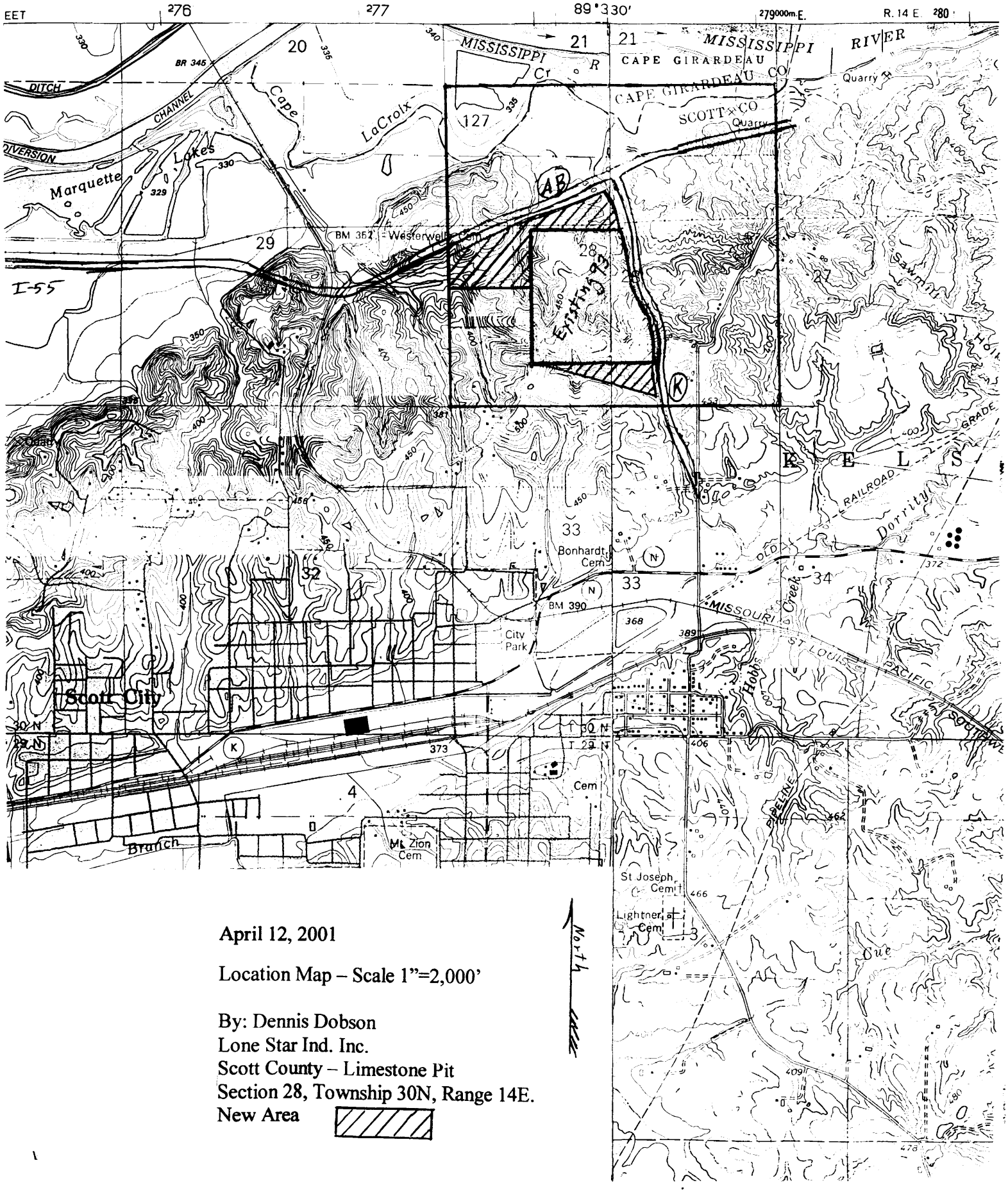


SCALE: 8" = 1 MILE

RECEIVED
APR 27 2001
MISSOURI LAND
RECLAMATION COMMISSION

SCOTT CITY QUADRANGLE
MISSOURI
7.5-MINUTE SERIES (TOPOGRAPHIC)

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY



April 12, 2001

Location Map – Scale 1"=2,000'

By: Dennis Dobson
Lone Star Ind. Inc.
Scott County – Limestone Pit
Section 28, Township 30N, Range 14E.
New Area

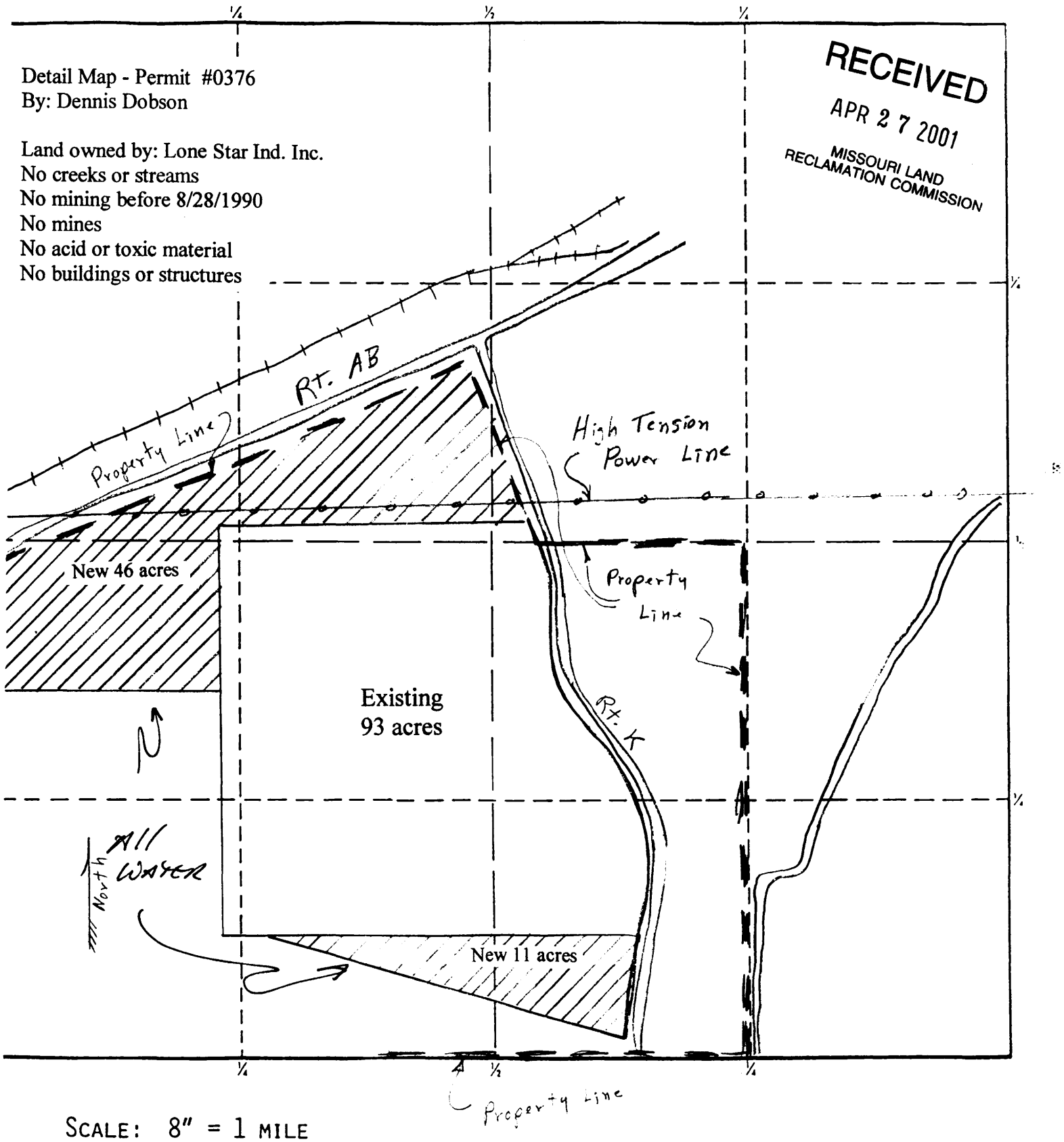
OMPANY Lone Star Industries, Inc.
INE/PIT Pit
OUNTY Scott

DATE April 12, 2001
COMMODITY MINED Limestone
SECTION 28, TOWNSHIP 30N, RANGE 14E

RECEIVED
APR 27 2001
MISSOURI LAND
RECLAMATION COMMISSION

Detail Map - Permit #0376
By: Dennis Dobson

Land owned by: Lone Star Ind. Inc.
No creeks or streams
No mining before 8/28/1990
No mines
No acid or toxic material
No buildings or structures



SCALE: 8" = 1 MILE