

STATE OF COLORADO

DIVISION OF RECLAMATION, MINING AND SAFETY
Department of Natural Resources

1313 Sherman St., Room 215
Denver, Colorado 80203
Phone: (303) 866-3567
FAX: (303) 832-8106

RECEIVED

FEB 02 2017

**DIVISION OF RECLAMATION
MINING AND SAFETY**



AM01

✓ Annual Fee/Report: CW
✓ No Violations

**CONSTRUCTION MATERIALS
REGULAR (112) OPERATION
RECLAMATION PERMIT APPLICATION FORM**

AM-01

CHECK ONE: ☒ There is a File Number Already Assigned to this Operation

Permit # M 2003 Q91 - (Please reference the file number currently assigned to this operation)

☐ New Application (Rule 1.4.5)

☒ Amendment Application (Rule 1.10)

☐ Conversion Application (Rule 1.11)

✓ Permit # M 2003 Q91 - (provide for Amendments and Conversions of existing permits)

The application for a Construction Materials Regular 112 Operation Reclamation Permit contains three major parts: (1) the application form; (2) Exhibits A-S, Addendum 1, any sections of Exhibit 6.5 (Geotechnical Stability Exhibit; and (3) the application fee. When you submit your application, be sure to include one (1) complete signed and notarized ORIGINAL and one (1) copy of the completed application form, two (2) copies of Exhibits A-S, Addendum 1, appropriate sections of 6.5 (Geotechnical Stability Exhibit, and a check for the application fee described under Section (4) below. Exhibits should NOT be bound or in a 3-ring binder; maps should be folded to 8 1/2" X 11" or 8 1/2" X 14" size. To expedite processing, please provide the information in the format and order described in this form.

GENERAL OPERATION INFORMATION

Type or print clearly, in the space provided, ALL information requested below.

1. **Applicant/operator or company name (name to be used on permit):** Martin Marietta Materials, Inc.
 - 1.1 Type of organization (corporation, partnership, etc.): Corporation
2. **Operation name (pit, mine or site name):** Duckworth Pit
3. **Permitted acreage (new or existing site):** 56.5 permitted acres
 - 3.1 Change in acreage (+) 0 acres
 - 3.2 Total acreage in Permit area 56.5 acres
4. **Fees:**

4.1 New Application	<u>\$2,696.00</u>	application fee
4.2 New Quarry Application	<u>\$3,342.00</u>	quarry application
4.4 Amendment Fee	<u>\$2,229.00</u>	amendment fee
4.5 Conversion to 112 operation (set by statute)	<u>\$2,696.00</u>	conversion fee
5. **Primary commodity(ies) to be mined:**

<u>Sand</u>	<u>Gravel</u>	<u>Fill material</u>
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 - 5.1 Incidental commodity(ies) to be mined:

1. <u>-</u> lbs/Tons/yr	2. <u>/</u> lbs/Tons/yr
3. <u>/</u> lbs/Tons/yr	4. <u>/</u> lbs/Tons/yr
5. <u>/</u> lbs/Tons/yr	
 - 5.2 Anticipated end use of primary commodity(ies) to be mined: Construction Materials
 - 5.3 Anticipated end use of incidental commodity(ies) to be mined: n/a

✓ Annual Fee/Report: CW
✓ No Violations

6. **Name of owner of subsurface rights of affected land:** Martin Marietta Materials, Inc.
If 2 or more owners, "refer to Exhibit O".

7. **Name of owner of surface of affected land:** Martin Marietta Materials, Inc.

8. **Type of mining operation:** ☒ Surface ☐ Underground

9. **Location Information:** The center of the area where the majority of mining will occur:

COUNTY: Weld

PRINCIPAL MERIDIAN (check one): ☒ 6th (Colorado) ☐ 10th (New Mexico) ☐ Ute

SECTION (write number): S 16

TOWNSHIP (write number and check direction): T 2 ☒ North ☐ South

RANGE (write number and check direction): R 68 ☐ East ☒ West

QUARTER SECTION (check one): ☒ NE ☐ NW ☐ SE ☐ SW

QUARTER/QUARTER SECTION (check one): ☐ NE ☐ NW ☐ SE ☒ SW

GENERAL DESCRIPTION: (the number of miles and direction from the nearest town and the approximate elevation): _____
Approx. 5.5 miles northwest of Frederick, CO at an elevation of 4,870 feet.

10. **Primary Mine Entrance Location** (report in either Latitude/Longitude OR UTM):

Latitude/Longitude:

Example: (N) 39° 44' 12.98"
(W) 104° 59' 3.87"

Latitude (N): deg _____ min _____ sec _____ (2 decimal places)

Longitude (W): deg _____ min _____ sec _____ (2 decimal places)

OR

Example: (N) 39.73691°
(W) -104.98449°

Latitude (N) 40 13883 (5 decimal places)

Longitude(W) -105 00744 (5 decimal places)

OR

Universal Transverse Mercator (UTM)

Example: 201336.3 E NAD27 Zone 13
4398351.2 N

UTM Datum (specify NAD27, NAD83 or WGS 84) Nad 83 Zone 13

Easting _____

Northing _____

11. **Correspondence Information:**

APPLICANT/OPERATOR (name, address, and phone of name to be used on permit)

Contact's Name: Julie Mikulas Title: Land Manager
Company Name: Martin Marietta Materials, Inc. , 1800 N Taft Hill Rd
Street/P.O. Box: ~~10170 Church Ranch Way, Suite 201~~ [↑] P.O. Box: _____
City: ~~Westminster~~ Fort Collins
State: Colorado Zip Code: ~~80021~~ 80521
Telephone Number: (970) - 227-4041
Fax Number: (970) - 407-3900

PERMITTING CONTACT (if different from applicant/operator above)

Contact's Name: Jared Dains Title: Water Resource Engineer
Company Name: Applegate Group, Inc.
Street/P.O. Box: 1490 W. 121st Ave, Suite 100 P.O. Box: _____
City: Denver
State: Colorado Zip Code: 80234
Telephone Number: (303) - 452-6611
Fax Number: (303) - 452-2759

INSPECTION CONTACT

Contact's Name: Same as owner Title: _____
Company Name: _____
Street/P.O. Box: _____ P.O. Box: _____
City: _____
State: _____ Zip Code: _____
Telephone Number: () -
Fax Number: () -

CC: STATE OR FEDERAL LANDOWNER (if any)

Agency: n/a
Street: _____
City: _____
State: _____ Zip Code: _____
Telephone Number: () -

CC: STATE OR FEDERAL LANDOWNER (if any)

Agency: n/a
Street: _____
City: _____
State: _____ Zip Code: _____
Telephone Number: () -

12. **Primary future (Post-mining) land use (check one):**

- | | | |
|---|--|--|
| <input type="checkbox"/> Cropland(CR) | <input type="checkbox"/> Pastureland(PL) | <input type="checkbox"/> General Agriculture(GA) |
| <input type="checkbox"/> Rangeland(RL) | <input type="checkbox"/> Forestry(FR) | <input type="checkbox"/> Wildlife Habitat(WL) |
| <input type="checkbox"/> Residential(RS) | <input type="checkbox"/> Recreation(RC) | <input type="checkbox"/> Industrial/Commercial(IC) |
| <input checked="" type="checkbox"/> Developed Water Resources(WR) | | <input type="checkbox"/> Solid Waste Disposal(WD) |

13. **Primary present land use (check one):**

- | | | |
|--|--|--|
| <input type="checkbox"/> Cropland(CR) | <input type="checkbox"/> Pastureland(PL) | <input type="checkbox"/> General Agriculture(GA) |
| <input type="checkbox"/> Rangeland(RL) | <input type="checkbox"/> Forestry(FR) | <input type="checkbox"/> Wildlife Habitat(WL) |
| <input type="checkbox"/> Residential(RS) | <input checked="" type="checkbox"/> Recreation(RC) | <input type="checkbox"/> Industrial/Commercial(IC) |
| <input type="checkbox"/> Developed Water Resources(WR) | | |

14. **Method of Mining:** Briefly explain mining method (e.g. truck/shovel):

Mining is complete

15. **On Site Processing:**

☐ Crushing/Screening

13.1 Briefly explain mining method (e.g. truck/shovel):

n/a

List any designated chemicals or acid-producing materials to be used or stored within permit area:

n/a

16. **Description of Amendment or Conversion:**

If you are amending or converting an existing operation, provide a brief narrative describing the proposed change(s).

The current approved post-mining land use of the Duckworth Pit was for two unlined groundwater ponds to be used for recreation purposes.

The ponds have been lined, resulting in two water storage reservoirs. This amendment seeks to change the primary post-mining land use from recreation to developed water resources.

Maps and Exhibits:

Two (2) complete, unbound application packages must be submitted. One complete application package consists of a signed application form and the set of maps and exhibits referenced below as Exhibits A-S, Addendum 1, and the Geotechnical Stability Exhibit. Each exhibit within the application must be presented as a separate section. Begin each exhibit on a new page. Pages should be numbered consecutively for ease of reference. If separate documents are used as appendices, please reference these by name in the exhibit.

With each of the two (2) signed application forms, you must submit a corresponding set of the maps and exhibits as described in the following references to Rule 6.4, 6.5, and 1.6.2(1)(b):

EXHIBIT A	Legal Description
EXHIBIT B	Index Map
EXHIBIT C	Pre-Mining and Mining Plan Map(s) of Affected Lands
EXHIBIT D	Mining Plan
EXHIBIT E	Reclamation Plan
EXHIBIT F	Reclamation Plan Map
EXHIBIT G	Water Information
EXHIBIT H	Wildlife Information
EXHIBIT I	Soils Information
EXHIBIT J	Vegetation Information
EXHIBIT K	Climate Information
EXHIBIT L	Reclamation Costs
EXHIBIT M	Other Permits and Licenses
EXHIBIT N	Source of Legal Right-To-Enter
EXHIBIT O	Owners of Record of Affected Land (Surface Area) and Owners of Substance to be Mined
EXHIBIT P	Municipalities Within Two Miles
EXHIBIT Q	Proof of Mailing of Notices to County Commissioners and Conservation District
EXHIBIT R	Proof of Filing with County Clerk or Recorder
EXHIBIT S	Permanent Man-Made Structures
Rule 1.6.2(1)(b)	ADDENDUM 1 - Notice Requirements (sample enclosed)
Rule 6.5	Geotechnical Stability Exhibit (any required sections)

The instructions for preparing Exhibits A-S, Addendum 1, and Geotechnical Stability Exhibit are specified under Rule 6.4 and 6.5 and Rule 1.6.2(1)(b) of the Rules and Regulations. If you have any questions on preparing the Exhibits or content of the information required, or would like to schedule a pre-application meeting you may contact the Office at 303-866-3567.

Responsibilities as a Permittee:

Upon application approval and permit issuance, this application becomes a legally binding document. Therefore, there are a number of important requirements which you, as a permittee, should fully understand. These requirements are listed below. Please read and initial each requirement, in the space provided, to acknowledge that you understand your obligations. If you do not understand these obligations then please contact this Office for a full explanation.

PW

1. Your obligation to reclaim the site is not limited to the amount of the financial warranty. You assume legal liability for all reasonable expenses which the Board or the Office may incur to reclaim the affected lands associated with your mining operation in the event your permit is revoked and financial warranty is forfeited;

PW 2. The Board may suspend or revoke this permit, or assess a civil penalty, upon a finding that the permittee violated the terms or conditions of this permit, the Act, the Mineral Rules and Regulations, or that information contained in the application or your permit misrepresent important material facts;

PW 3. If your mining and reclamation operations affect areas beyond the boundaries of an approved permit boundary, substantial civil penalties, to you as permittee can result;

PW 4. Any modification to the approved mining and reclamation plan from those described in your approved application requires you to submit a permit modification and obtain approval from the Board or Office;

PW 5. It is your responsibility to notify the Office of any changes in your address or phone number;

PW 6. Upon permit issuance and prior to beginning on-site mining activity, you must post a sign at the entrance of the mine site, which shall be clearly visible from the access road, with the following information (Rule 3.1.12):

- a. the name of the operator;
- b. a statement that a reclamation permit for the operation has been issued by the Colorado Mined Land Reclamation Board; and,
- c. the permit number.

PW 7. The boundaries of the permit boundary area must be marked by monuments or other markers that are clearly visible and adequate to delineate such boundaries prior to site disturbance.

PW 8. It is a provision of this permit that the operations will be conducted in accordance with the terms and conditions listed in your application, as well as with the provisions of the Act and the Construction Material Rules and Regulations in effect at the time the permit is issued.

PW 9. Annually, on the anniversary date of permit issuance, you must submit an annual fee as specified by Statute, and an annual report which includes a map describing the acreage affected and the acreage reclaimed to date (if there are changes from the previous year), any monitoring required by the Reclamation Plan to be submitted annually on the anniversary date of the permit approval. Annual fees are for the previous year a permit is held. For example, a permit with the anniversary date of July 1, 1995, the annual fee is for the period of July 1, 1994 through June 30, 1995. Failure to submit your annual fee and report by the permit anniversary date may result in a civil penalty, revocation of your permit, and forfeiture of your financial warranty. It is your responsibility, as the permittee, to continue to pay your annual fee to the Office until the Board releases you from your total reclamation responsibility.

PW 10. For joint venture/partnership operators: the signing representative is authorized to sign this document and a power of attorney (provided by the partner(s)) authorizing the signature of the representative is attached to this application.

NOTE TO COMMENTORS/OBJECTORS:

It is likely there will be additions, changes, and deletions to this document prior to final decision by the Office. Therefore, if you have any comments or concerns you must contact the applicant or the Office prior to the decision date so that you will know what changes may have been made to the application document.

The Office is not allowed to consider comments, unless they are written, and received prior to the end of the public comment period. You should contact the applicant for the final date of the public comment period.

If you have questions about the Mined Land Reclamation Board and Office's review and decision or appeals process, you may contact the Office at (303) 866-3567.

Certification:

As an authorized representative of the applicant, I hereby certify that the operation described has met the minimum requirements of the following terms and conditions:

1. To the best of my knowledge, all significant, valuable and permanent man-made structure(s) in existence at the time this application is filed, and located within 200 feet of the proposed affected area have been identified in this application (Section 34-32.5-115(4)(e), C.R.S.).
2. No mining operation will be located on lands where such operations are prohibited by law (Section 34-32.5-115(4)(f), C.R.S.);
3. As the applicant/operator, I do not have any extraction/exploration operations in the State of Colorado currently in violation of the provisions of the Colorado Land Reclamation Act for the Extraction of Construction Materials (Section 34-32.5-120, C.R.S.) as determined through a Board finding.
4. I understand that statements in the application are being made under penalty of perjury and that false statements made herein are punishable as a Class 1 misdemeanor pursuant to Section 18-8-503, C.R.S.

This form has been approved by the Mined Land Reclamation Board pursuant to section 34-32.5-112, C.R.S., of the Colorado Land Reclamation Act for the Extraction of Construction Materials. Any alteration or modification of this form shall result in voiding any permit issued on the altered or modified form and subject the operator to cease and desist orders and civil penalties for operating without a permit pursuant to section 34-32.5-123, C.R.S.

Signed and dated this 24th day of January, 2017.

Martin Marietta Materials, Inc.
Applicant/Operator or Company Name

If Corporation Attest (Seal)

Signed: [Signature]

Signed: [Signature]

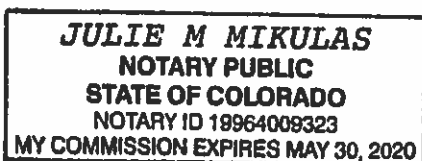
Title: Division President

Corporate Secretary or Equivalent

Town/City/County Clerk

State of Colorado)
) ss.
County of Jefferson)

The foregoing instrument was acknowledged before me this 24th day of January 2017,
by Patrick H. Walker as Division President of Martin Marietta Materials, Inc.



[Signature]
Notary Public

My Commission expires: 5-30-2020

SIGNATURES MUST BE IN BLUE INK

You must post sufficient Notices at the location of the proposed mine site to clearly identify the site as the location of a

EXHIBIT A

Legal Description

The legal description for the Duckworth Pit is unchanged from the June 16, 2004 Revised 112 Reclamation Permit Application for the site. It is as follows:

Lot "B", Recorded Exemption No. 1313-16-1-RE3714 in the Northeast ¼ of Section 16, Township 2 North, Range 68 West of the 6th P.M. according to the Map recorded November 6, 1978 in Book 850 at Reception No. 1629063 and July 17, 1979 at Reception No. 1797006, County of Weld, State of Colorado.

The Duckworth Pit is located in the SW ¼ of the NE ¼ and a portion of the SE ¼ of the NE ¼ of Section 16, Township 2 North, Range 68 West of the 6th P.M..

The main entrance of the mine is located at Latitude 40.138797 North / Longitude 105.007430 West.

2/13/17

EXHIBIT B

Index Map

The map is largely unchanged from the June 16, 2004 Revised 112 Reclamation Permit Application for the site. See attached map.



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Applegate Group, Inc. Water Resource Advisors for the West 1490 West 121st Ave., Ste 100 Denver, CO 80234-2728 Phone: (303) 452-6611 Fax: (303) 452-2759 www.ApplegateGroup.com e-mail: info@applegategroup.com		DUCKWORTH PIT (M-2003-091) Index Map		Exhibit: B
		Date: 10 Feb 2017 Job #: 16-124 Drawn By: JMD		