



Fire Marshal Division

P.O. Box 370
Lillington, NC 27546
910-893-7580

Application for Blasting/Explosives Permit

Application # _____ Date of Application: 5 / 2 / 25

Applicant: Carolina Drilling Inc

Billing Address: 326 Railroad St.

City Mocksville State NC Zip 27028

Contact Jerry Hebert Contact Phone # 9198861812

Applicant Email: vicjerry231936@gmail.com

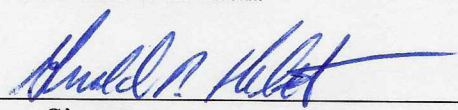
Location of Blast/Storage Site 35.5039790,-78.8540190

City Lillington State NC Zip 27526

Start Date 5 / 6 / 25 Completion Date 6 / 6 / 25

This application must be completed and returned to Central Permitting prior to the issuance of the permit. Please allow (7-10) working days for processing. Two types of permit may be issued: 72 hour permit for (\$100.00) and a 90 day permit for (\$250.00) Fees must be paid prior to issuance of any permits. The following items are required to be submitted with this application:

- 1 Certificate of Insurance or have a current certificate on file in our office.
- 2 List of materials to be used on site. If storage of materials is proposed on site, provide a site plan indicating the location of storage magazines and distances to. inhabited buildings, public roadways and separation of multiple magazines
- 3 Provide information on magazine types to include amount and type of explosives to be stored in each.


Applicant Signature

5 / 2 / 25
Date

ACORD™

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

5/29/2024

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer any rights to the certificate holder in lieu of such endorsement(s).

PRODUCER USI Insurance Services, LLC 8540 Colonnade Center Dr. Suite 111 Raleigh, NC 27615	CONTACT NAME: Daniel Giddes PHONE (A/C, No, Ext): 984-255-1116 E-MAIL ADDRESS: daniel.giddes@usi.com FAX (A/C, No):														
INSURED Carolina Drilling, Inc. 326 Railroad Street, #2232 Mocksville, NC 27028	<table border="1"> <thead> <tr> <th>INSURER(S) AFFORDING COVERAGE</th> <th>NAIC #</th> </tr> </thead> <tbody> <tr> <td>INSURER A : United States Fire Insurance Company</td> <td>21113</td> </tr> <tr> <td>INSURER B : North River Insurance Company</td> <td>21105</td> </tr> <tr> <td>INSURER C : Hanover Insurance Company</td> <td>22292</td> </tr> <tr> <td>INSURER D :</td> <td></td> </tr> <tr> <td>INSURER E :</td> <td></td> </tr> <tr> <td>INSURER F :</td> <td></td> </tr> </tbody> </table>	INSURER(S) AFFORDING COVERAGE	NAIC #	INSURER A : United States Fire Insurance Company	21113	INSURER B : North River Insurance Company	21105	INSURER C : Hanover Insurance Company	22292	INSURER D :		INSURER E :		INSURER F :	
INSURER(S) AFFORDING COVERAGE	NAIC #														
INSURER A : United States Fire Insurance Company	21113														
INSURER B : North River Insurance Company	21105														
INSURER C : Hanover Insurance Company	22292														
INSURER D :															
INSURER E :															
INSURER F :															

COVERAGES

CERTIFICATE NUMBER:

REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PROJECT <input type="checkbox"/> LOC OTHER:			5069095857	06/01/2024	06/01/2025	EACH OCCURRENCE \$1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$300,000 MED EXP (Any one person) \$15,000 PERSONAL & ADV INJURY \$1,000,000 GENERAL AGGREGATE \$2,000,000 PRODUCTS - COMP/OP AGG \$2,000,000 \$
A	AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO OWNED AUTOS ONLY <input checked="" type="checkbox"/> HIRED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS NON-OWNED AUTOS ONLY			5069095857	06/01/2024	06/01/2025	COMBINED SINGLE LIMIT (Ea accident) \$1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ \$
B	<input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED RETENTION \$			5821234623	06/01/2024	06/01/2025	EACH OCCURRENCE \$5,000,000 AGGREGATE \$5,000,000 \$
	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? <input type="checkbox"/> Y/N (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below		N/A				PER STATUTE <input type="checkbox"/> OTH-ER <input type="checkbox"/> E.L. EACH ACCIDENT \$ E.L. DISEASE - EA EMPLOYEE \$ E.L. DISEASE - POLICY LIMIT \$
C	Leased/Rented Equipment			IH6J01537002	06/01/2024	06/01/2025	\$600,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

CERTIFICATE HOLDER

CANCELLATION

Harnett County
 Fire Marshal Division PO BOX 370
 Lillington, NC 27546

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.




AUTHORIZED REPRESENTATIVE

Paula B Bulman

Harnett County

Blast path/area

Legend

-  35.5039790, -78.8540190
-  Blast Path/Area
-  Cotton Farms

Blast Path/Area

35.5039790, -78.8540190



1000 ft

Google Earth

Image © 2025 Airbus

Carolina Drilling, Inc.
326 Railroad St.
Mocksville, NC 27028

May 2, 2025

Harnett County

GPS 1: 35° 30' 14.3"W

GPS 2: 78° 51' 14.5"W

SAFETY PROCEDURES FOR BLASTS

All operations for transporting, handling, and loading explosives shall observe applicable industry standards *and* regulations as defined by the appropriate city, county, state, or federal governing agency. All blast events will be conducted in such a manner that complies with all safety cautions, procedures, or regulations of the applicable city, county, state, or federal governing agency. This includes but is not limited to: clearing the blast zone, guarding the blast area, and vehicular or pedestrian traffic control. **No explosives will be stored on site.**

TEST BLASTS

Initial blasts shall be evaluated as test blasts, with analysis of monitored blast effects to be used for revision of blast design (if necessary) for subsequent blasting. Monitoring data will be evaluated on a continuing basis throughout the blasting phase, so that blast design alterations can be implemented if such need is indicated.

BLAST SITE DIMENSIONS

Blasts will consist of holes between 8' and 11' depths.. This will equal a max of 20 lbs per hole. We plan to blast once or twice a day between 9:00am and 3:00pm. Blasting is expected to last less than 90 days on this project.

DRILL PATTERN

The proposed pattern is to drill 3.5" diameter boreholes with an overburden of 5' and a spacing of at least 6' between holes.

BLASTS REQUIRED

1-2 blasts per day, lasting 30-90 days is expected for this pond and po.

EXPLOSIVES LOADING & INITIATION

The type of explosives to be used will be Unimax Dyno 1.25"x8" and anfo for the main charges in each borehole, initiated with an appropriate detonating booster charge. The main charges weigh .5Lbs and the max charge per hole will be 20lbs.. The type of delay system will be Zipdet DD 25/500. The sequence will be 25ms. The maximum of explosives on any one delay period will be 6lbs.

This entire project is expected to require 12,000 lbs. of explosives. The blast will utilize an amount of explosive depending on the proximity to nearest dwellings and hole depths.

As one means to control ground movement, sufficient inert stemming material will be loaded at the top of each borehole, beginning below the depth where competent rock was encountered. Stemming height(7' minimum) will be determined by the discretion, experience and judgment of the blaster in charge, and site-specific conditions for each shot.

GROUND CONTROL

All blasts shall have sufficient cover of natural soil materials to prevent excessive movement of material from the blast zone or project site. Sufficient cover will be determined by the experience and judgment of the blaster in charge. The overburden on this project is 10' feet. The blaster will include in their consideration such factors as rock type, geologic conditions, borehole depth, charge weight, and any other relevant, site-specific conditions for each shot. If the blaster in charge determines there is not sufficient natural cover, additional soils should be placed atop the blast zone according to the blaster's instructions. In certain circumstances, artificial matting could be required, also according to the blaster's determination. Blasting mats will be used when necessary.

MONITORING BLAST EFFECTS

All preblast have been conducted and can be provided upon request by Todd Tansky with S&ME. He is also conducting all seismic monitoring as an independent third party.

(919)801-5782
Ttansky@smeinc.com

BLAST WARNING SIGNALS

Warning signals for each blast will be as follows:

Three long sounds of horn five minutes prior to the blast.

Two short sounds of horn one minute before the blast.

One long sound of horn for all clear after the blast.

BLAST RECORDS

A record of each blast will be kept with the date, time, location, total amount of explosives, maximum explosive charge weight per delay and where necessary seismograph records identified by instrument number and location. These files will be kept in Carolina Drilling, Inc's office at: 326 Railroad St. Mocksville, NC 27028