



COMPANY INFORMATION

CONTENTS:

COMPANY BIOGRAPHY

CONTACT INFORMATION

MISSION STATEMENT

RESUMES

LICENSES

INSURANCE

W-9

FDOT QUALIFICATION LETTER

FIELD EQUIPMENT LIST

HEALTH & SAFETY PLAN

PRE-JOB SAFETY PLAN

CERTIFICATIONS – FIRST AID CPR AED / MINE SAFETY TRAINING





Company Biography

BJ Rock, LLC (BJR) is a geotechnical engineering and consulting firm founded by Brian Jory, P.E. in 2010, who was then joined by Jack Peak, P.E. in 2011. Based in Tampa, the two senior geotechnical engineering principals have nearly 40 years of combined experience on projects throughout the southeast, primarily within the State of Florida.

Specifically, BJR has extensive project experience in areas including geotechnical engineering, construction materials testing, deep foundations, forensic/sinkhole investigations, asphalt pavement design and construction, technical training, and project management. We take pride in our ability to manage and complete relatively large, linear geotechnical projects such as power transmission lines, pipelines, and roadway improvement/pavement condition evaluations.

BJR is committed to a solid foundation of unwavering ethics, strict and constant attention to safety, providing very competitive fee structures, and meeting client demands/schedules, all while producing quality engineering results.



CONTACT INFORMATION

Brian W. Jory, P.E

727-243-8013

brian@bjrockfl.com

John C. Peak, P.E “Jack”

813-294-8861

jack@bjrockfl.com

BJ Rock, LLC

14724 Brick Place

Tampa, FL 33626

www.bjrockfl.com





HEALTH & SAFETY Mission Statement

BJ Rock, LLC is committed to operating its business in accordance with sound health and safety practices.

BJ Rock, LLC adheres to high safety standards to protect the health and safety of all employees, our customers and the community in which they work.

The health and safety of our employees shall take precedence over cost and schedule considerations.

BJ Rock, LLC will strive to provide a safe and minimal risk working environment for each employee. Our primary goal is the prevention of accidents, occupational illness, and injuries.

Management will work in such a manner as to ensure the health and safety of employees under their supervision, and ensure that protective devices, effective operating standards, and employee training are provided.

Employees shall work in compliance with the provision of applicable Federal, County, State and local statutes and regulations.

Each employee is responsible for working and acting safely at all times.



BJ Rock, LLC

A handwritten signature in blue ink, appearing to read "Brian W. Jory".

Brian W. Jory, P.E.



BRIAN W. JORY, P.E.

Senior Geotechnical Engineer, BJ Rock, LLC

SUMMARY OF CAPABILITIES

Geotechnical Engineering
Asphalt Pavement Evaluation, Rehabilitation and Design
Construction Materials Testing
Sinkhole Evaluation and Remediation
Technical Training/Instruction

EDUCATION

M.S. in Civil Engineering - University of South Florida, 1989
B.S. in Civil Engineering - University of South Florida, 1988

REGISTRATIONS

Professional Engineer, Florida, #46634 (1993)

CERTIFICATIONS

Approved Instructor for FDOT Construction Technician Qualification Program:
Pile Driving Inspection
Drilled Shaft Inspection
Asphalt Paving Levels 1 and 2
Asphalt Plant Level 1

AREAS OF SPECIALIZATION

Geotechnical Engineering
Forensic Investigation of Asphalt Pavements
Pavement Evaluation and Design
Project Management

Forensic Sinkhole Investigation
Materials Laboratory QA/QC Programs
Materials Testing
Teaching/Technical Training

PROFESSIONAL SUMMARY

Mr. Jory is a Senior Geotechnical Engineer with over 24 years of experience in the area of geotechnical investigation, design and construction, as well as sinkhole investigations, materials testing, asphalt pavements, engineering project management and technical training. He has been involved in projects throughout central and western Florida during his entire career and has a thorough understanding of the subsurface/geotechnical challenges unique to this area. He has also been involved with a considerable amount of teaching and training activities, including five years as an adjunct instructor for the USF College of Engineering and four years as an approved instructor for the FDOT Construction Technician Qualification Program.

Prior to starting BJ Rock, Mr. Jory was the West Coast Operations Manager for Williams Earth Sciences, a well known and respected geotechnical engineering firm, located in Pinellas County. He was responsible for the daily operation and management of the engineering group, technical training group, materials testing laboratories, and field investigation and drilling crews.

Mr. Jory also worked in the public sector for ten years as the FDOT Districts 1 and 7 Assistant District Geotechnical Engineer and District Bituminous Engineer. He was responsible for geotechnical

consultant plans and report reviews, oversight of major and minor bridge foundation design, administration of district-wide geotechnical services contracts and consultant fee negotiations, supervision over geotechnical field crews and construction support group (PDA/pile load testing, drilled shaft inspection, deep foundations related construction problems). He also managed the District Materials Asphalt Section which included administration of the Independent Assurance/Independent Verification programs, and providing pavement evaluation and rehabilitation recommendations, technical support for all asphalt related design and construction activity, and review/approval of asphalt producer's QC plans and QC laboratory facilities.

REPRESENTATIVE PROJECT EXPERIENCE

Levy County Nuclear Power Plant – Project Manager for geotechnical site investigations related to roadway, bridges, and barge docking/unloading facilities being designed as part of the new power plant infrastructure.

Crystal River Nuclear Power Plant - Project Manager for geotechnical site investigations related to facilities being designed as part of the power plant upgrade and renovation.

Mississippi Phosphates Corp., Pascagoula, MS. - Design of a 140-foot high, 250 acre, vertical gyp-stack expansion over soft marine clays, including an extensive slope stability instrumentation program and construction sequence recommendations/monitoring.

TECO Polk Power Station – conducted extensive geotechnical field testing in phosphate mined areas for the preliminary design of the coal burning power plant and cooling water ponds.

City of Callaway, Bay County, Florida – project manager for geotechnical investigation of wastewater force main and potable water pipeline extension projects that included runs of 5, 1.5, and 7.6 miles. Provided recommendations for pipeline construction using open trench and horizontal directional drilling techniques.

Polk County Waste to Energy Power Plant - Project Manager and Geotechnical Engineer for the design and construction of the new facility (uses wood and ground tire rubber as fuel).

FDOT District 3 - Conducted extensive static and dynamic pile load test programs for two major bridges, SR 71 and SR 79 over the Intracoastal Waterway in northern Florida.

Nuclear Weapons Plant, Aiken, SC. - Supervised subsurface investigation for the New Production Reactor Program at the Savannah River facility.

Project Manager and Senior Engineer for various FDOT District 1 and 7 District Wide Support Services Contracts for both Geotechnical and Pavement Evaluation Services.

Sinkhole Investigations for Insurance Companies and the FDOT throughout Florida – includes initial site inspections, drilling oversight, determination of cause of damage, and recommendations for remediation of residential and commercial structures as well as “emergency” response for roadway sinkholes at locations that include US 27 in Lake Wales, US 27 in Sebring, SR 66 in Hardee County, SR 39 in Hillsborough County, I-4 in Hillsborough County, US 19 in Pinellas County, and US 19 in Pasco County.



John C. Peak, P.E.

Aka. Jack

Senior Geotechnical Engineer, BJ Rock, LLC

SUMMARY OF CAPABILITIES

Geotechnical Engineering
Construction Materials Testing
Sinkhole Evaluation and Remediation

EDUCATION

B.S. Civil Engineering (Geotechnical)
University of South Florida, 1995

REGISTRATIONS

Professional Engineer, Florida, #57018 (2000)

PROFESSIONAL ORGANIZATIONS

American Society of Civil Engineers

AREAS OF SPECIALIZATION

Geotechnical Engineering
Forensic Sinkhole Investigation
Engineering Project Management
Cellular Tower Foundation Analyses
Shallow & Deep Foundation Analyses

Power Line Foundation Analyses
Bridge Foundation Analyses
Drilled Shaft/Pier Foundations
Driven Pile Foundations

PROFESSIONAL SUMMARY

Mr. Peak is Senior Geotechnical Engineer. As a Senior Professional Engineer, his duties have included technical review as well as project management and technical design and analyses for a wide variety of geotechnical and environmental studies for both public and private clients throughout west and central Florida. He has over 18 years experience involving planning, management, and performance of geotechnical and environmental projects, analyzing and evaluating data and providing recommendations for numerous geotechnical design projects.

Prior to joining BJ Rock, Mr. Peak was the co-owner Vice President of Ground Down Engineering, Inc., a well known and respected geotechnical engineering firm, located in Hillsborough County. He was responsible for the daily operation and management of the geotechnical engineering group and technical operations of the engineering field services department.

REPRESENTATIVE PROJECT EXPERIENCE

- Power Transmission Line Foundation Analyses for 230kV, 115kV & 69kV lines throughout central, west and panhandle regions of Florida.
- Gulfstream Gas Pipeline, Hardee County, Florida - Geotechnical engineering including foundation analyses for communication poles along the gas pipeline throughout the county.
- FDOT Districts 2 & 7 Districtwide Bridge Scour Evaluation, Florida - Geotechnical engineering for scour analyses of over 50 municipal and county bridges.
- Phosphate Mines – Geotechnical / construction for earthen dams / berms Polk County, Florida.
- Raymond James Football Stadium, Hillsborough County, Florida – Assistant Project Manager and Geotechnical Engineer for new \$168 million NFL football facility. Assisted in providing all geotechnical design services for the pile supported stadium, including designing and supervising the field exploration and testing program, performing axial (compression and tension piles) and lateral pile analyses, pile load testing, PDA analysis, and shallow foundation analyses. Assisted senior geotechnical engineer during the foundation construction phase of the project, providing guidance to the architect, structural engineer, and the Tampa Sports Authority on correct installation of the driven piles, including providing driving criteria and predrilling recommendations.
- Pinellas County Park Renovations: Anclote Key, Lake Seminole, Fred Howard, and Ridgecrest Parks, Pinellas County, Florida - Geotechnical exploration and foundation design for boat/service docks, fishing piers and restroom facilities for the Pinellas County Park's Department.
- Signalization Poles, Central, Southwest and Southeast regions of Florida - Geotechnical exploration and foundation design for signalization strain poles and mast arms.
- Communication Towers - Geotechnical engineering and foundation designs for monopole, self-supported and guyed towers across the State of Florida.
- North Road/Naples Airport, Collier County, Florida - Geotechnical engineering for roadway realignment and airport taxiway extension.
- University of South Florida Alumni Center, Hillsborough County, Florida - Geotechnical engineering and foundation design including sinkhole analysis and recommendations for construction.
- US 41 Roadway Widening from Bell Lake Road to Suydam Road, Hillsborough County, Florida - Geotechnical engineering for roadway widening including delineation of extensive organic deposits.
- SR 54, Pasco County, Florida - Geotechnical engineering including roadway soil survey.
- Walgreens and Eckerd Drug Stores, Florida - Geotechnical engineering and foundation recommendations for numerous structures.
- MacDill Air Force Base Hangar Loop Road, MacDill AFB, Tampa, Florida - Geotechnical evaluation for drainage study.
- Sinkhole Evaluations for Insurance Companies throughout Florida – Senior Geotechnical Engineer for numerous subsidence/sinkhole evaluation projects. Duties include perform initial site inspection, drilling oversight, report production and review for subsidence investigation related projects. Responsible for determination of cause of damage and providing recommendations for remediation.

State of Florida

Board of Professional Engineers

Attests that

BJ-Rock, LLC

is authorized under the provisions of Section 471.023, Florida Statutes, to offer engineering services to the public through a Professional Engineer, duly licensed under Chapter 471, Florida Statutes.

Expiration: 2/28/2017

Audit No: 228201703220



FBPE
FLORIDA BOARD OF
PROFESSIONAL ENGINEERS

CA Lic. No:

29100

State of Florida

Board of Professional Engineers

Attests that

Brian W. Jory , P.E.

Is licensed as a Professional Engineer under Chapter 471, Florida Statutes

Expiration: 2/28/2017

Audit No: 228201721410



FBPE
FLORIDA BOARD OF
PROFESSIONAL ENGINEERS

P.E. Lic. No:

46634

State of Florida

Board of Professional Engineers

Attests that

John Channing Peak , P.E.

Is licensed as a Professional Engineer under Chapter 471, Florida Statutes

Expiration: 2/28/2017

Audit No: 228201718912



FBPE
FLORIDA BOARD OF
PROFESSIONAL ENGINEERS

P.E. Lic. No:

57018



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

1/14/2015

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 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 rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Ames & Gough 8300 Greensboro Drive Suite 980 McLean, VA 22102	CONTACT NAME:	
	PHONE (A/C, No, Ext): (703) 827-2277	FAX (A/C, No): (703) 827-2279
INSURED BJ Rock, LLC 14724 Brick Place Tampa, FL 33626	E-MAIL ADDRESS:	
	INSURER(S) AFFORDING COVERAGE	
	INSURER A: American Casualty Co of Reading, PA A(XV)	NAIC # 20427
	INSURER B: Continental Casualty Company (CNA) A(XV)	NAIC # 20443
	INSURER C: Berkley Insurance Company	
	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 INSD	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 checked="" type="checkbox"/> POLICY <input checked="" type="checkbox"/> PRO-JECT <input checked="" type="checkbox"/> LOC OTHER:			4034355533	10/06/2014	10/06/2015	EACH OCCURRENCE \$ 2,000,000
							DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 300,000
							MED EXP (Any one person) \$ 10,000
							PERSONAL & ADV INJURY \$ 2,000,000
							GENERAL AGGREGATE \$ 4,000,000
							PRODUCTS - COMP/OP AGG \$ 4,000,000
							\$
A	<input type="checkbox"/> AUTOMOBILE LIABILITY <input type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input checked="" type="checkbox"/> HIRED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> NON-OWNED AUTOS			4034355533	10/06/2014	10/06/2015	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 <input checked="" type="checkbox"/> RETENTION \$ 10,000			403455550	10/06/2014	10/06/2015	EACH OCCURRENCE \$ 1,000,000
							AGGREGATE \$ 1,000,000
							\$
B	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below Y / N <input type="checkbox"/> N / A			4031227846	10/06/2014	10/06/2015	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTH-ER
							E.L. EACH ACCIDENT \$ 500,000
							E.L. DISEASE - EA EMPLOYEE \$ 500,000
							E.L. DISEASE - POLICY LIMIT \$ 500,000
C	Professional Liab.			AEC9002583-00	10/06/2014	10/06/2015	Per Claim/Aggregate 1,000,000

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

CERTIFICATE HOLDER

CANCELLATION

Proof of Insurance	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 

**Request for Taxpayer
Identification Number and Certification**

**Give Form to the
requester. Do not
send to the IRS.**

Name (as shown on your income tax return)
BJ ROCK, LLC

Business name/disregarded entity name, if different from above

Check appropriate box for federal tax classification:
☐ Individual/sole proprietor ☐ C Corporation ☐ S Corporation ☐ Partnership ☐ Trust/estate
☒ Limited liability company. Enter the tax classification (C=C corporation, S=S corporation, P=partnership) **C**
☐ Other (see instructions) ▶

Exemptions (see instructions):
Exempt payee code (if any) _____
Exemption from FATCA reporting code (if any) _____

Address (number, street, and apt. or suite no.)
14724 BRICK PLACE

City, state, and ZIP code
TAMPA FL 33626

Requester's name and address (optional)

List account number(s) here (optional)

Part I Taxpayer Identification Number (TIN)

Enter your TIN in the appropriate box. The TIN provided must match the name given on the "Name" line to avoid backup withholding. For individuals, this is your social security number (SSN). However, for a resident alien, sole proprietor, or disregarded entity, see the Part I instructions on page 3. For other entities, it is your employer identification number (EIN). If you do not have a number, see *How to get a TIN* on page 3.

Note. If the account is in more than one name, see the chart on page 4 for guidelines on whose number to enter.

Social security number

				-						
--	--	--	--	---	--	--	--	--	--	--

Employer identification number

2	7	-	2	0	3	5	5	8	1
---	---	---	---	---	---	---	---	---	---


Part II Certification

Under penalties of perjury, I certify that:

1. The number shown on this form is my correct taxpayer identification number (or I am waiting for a number to be issued to me), and
2. I am not subject to backup withholding because: (a) I am exempt from backup withholding, or (b) I have not been notified by the Internal Revenue Service (IRS) that I am subject to backup withholding as a result of a failure to report all interest or dividends, or (c) the IRS has notified me that I am no longer subject to backup withholding, and
3. I am a U.S. citizen or other U.S. person (defined below), and
4. The FATCA code(s) entered on this form (if any) indicating that I am exempt from FATCA reporting is correct.

Certification instructions. You must cross out item 2 above if you have been notified by the IRS that you are currently subject to backup withholding because you have failed to report all interest and dividends on your tax return. For real estate transactions, item 2 does not apply. For mortgage interest paid, acquisition or abandonment of secured property, cancellation of debt, contributions to an individual retirement arrangement (IRA), and generally, payments other than interest and dividends, you are not required to sign the certification, but you must provide your correct TIN. See the instructions on page 3.

Sign Here

Signature of U.S. person 

Date **01-22-14**

General Instructions

Section references are to the Internal Revenue Code unless otherwise noted.

Future developments. The IRS has created a page on www.irs.gov/w9 for information about Form W-9, at www.irs.gov/w9. Information about any future developments affecting Form W-9 (such as legislation enacted after we release it) will be posted on that page.

Purpose of Form

A person who is required to file an information return with the IRS must obtain your correct taxpayer identification number (TIN) to report, for example, income paid to you, payments made to you in settlement of payment card and third party network transactions, real estate transactions, mortgage interest you paid, acquisition or abandonment of secured property, cancellation of debt, or contributions you made to an IRA.

Use Form W-9 only if you are a U.S. person (including a resident alien), to provide your correct TIN to the person requesting it (the requester) and, when applicable, to:

1. Certify that the TIN you are giving is correct (or you are waiting for a number to be issued),
2. Certify that you are not subject to backup withholding, or
3. Claim exemption from backup withholding if you are a U.S. exempt payee. If applicable, you are also certifying that as a U.S. person, your allocable share of any partnership income from a U.S. trade or business is not subject to the

withholding tax on foreign partners' share of effectively connected income, and

4. Certify that FATCA code(s) entered on this form (if any) indicating that you are exempt from the FATCA reporting, is correct.

Note. If you are a U.S. person and a requester gives you a form other than Form W-9 to request your TIN, you must use the requester's form if it is substantially similar to this Form W-9.

Definition of a U.S. person. For federal tax purposes, you are considered a U.S. person if you are:

- An individual who is a U.S. citizen or U.S. resident alien,
- A partnership, corporation, company, or association created or organized in the United States or under the laws of the United States,
- An estate (other than a foreign estate), or
- A domestic trust (as defined in Regulations section 301.7701-7).

Special rules for partnerships. Partnerships that conduct a trade or business in the United States are generally required to pay a withholding tax under section 1446 on any foreign partners' share of effectively connected taxable income from such business. Further, in certain cases where a Form W-9 has not been received, the rules under section 1446 require a partnership to presume that a partner is a foreign person, and pay the section 1446 withholding tax. Therefore, if you are a U.S. person that is a partner in a partnership conducting a trade or business in the United States, provide Form W-9 to the partnership to establish your U.S. status and avoid section 1446 withholding on your share of partnership income.



Florida Department of Transportation

RICK SCOTT
GOVERNOR

605 Suwannee Street
Tallahassee, FL 32399-0450

ANANTH PRASAD, P.E.
SECRETARY

November 4, 2014

Brian Jory, Managing Member
BJ ROCK, LLC
14724 Brick Place
Tampa, Florida 33626

Dear Mr. Jory:

The Florida Department of Transportation has reviewed your application for qualification package and determined that the data submitted is adequate to technically qualify your firm for the following types of work:

- Group 9 - Soil Exploration, Material Testing and Foundations
 - 9.1 - Soil Exploration
 - 9.4.1 - Standard Foundation Studies

Your firm is now technically qualified to do work for the Department for minor projects only, enabling your firm to compete for Professional Services projects with fees estimated at below \$500,000.00. This status shall be valid until November 4, 2015 for contracting purposes.

Should you have any questions, please feel free to contact me by email at carliayn.kell@dot.state.fl.us or by phone at 850-414-4597.

Sincerely,

Carliayn Kell
Professional Services
Qualification Administrator

CBHK/kw



FIELD EQUIPMENT LIST

For FDOT Standard Work Group 9.1 – Soil Exploration

BJ Rock, LLC

14724 Brick Place
Tampa, FL 33626
Ph. 727-243-8013

- Various Sub-Contract Drill Rigs for Performing SPT and Auger Borings – Truck Mounted, Track Mounted, All Terrain, Barge Capabilities, etc.
- Mini Cone Penetrometer (MCPT) Rig – mounted on Kubota mini-excavator
Width = 28 inches with maximum practical exploration depth up to approximately 50 feet.
- Dynamic Cone Penetrometer - maximum practical exploration depth approximately 10 feet.
- Static Cone Penetrometer - maximum practical exploration depth approximately 10 feet.
- Hand Auger Equipment – 3.5 inch and 2 inch diameter buckets.
- Double Ring Infiltration (DRI) with portable 100 gallon water tank.
- Constant and Falling Head Field Permeability Equipment
- Trimble GNSS Handheld GeoExplorer GeoXT 6000 Series
provides boring location coordinates with sub-meter accuracy.
- 4x4 Support Field Truck
- Hand Probe Rod – 4 foot
- Drill Rig / MCPT Rig - Grounding Equipment





BJ Rock, LLC

Health and Safety Plan

2015





TABLE OF CONTENTS

	<u>PAGE</u>
INTRODUCTION	3
SAFETY RESPONSIBILITIES	3
Owners and employees	3
GENERAL PROJECT HAZARDS AND CONTROL PROCEDURES	4
MSDS Awareness	5
PROJECT SPECIFIC HAZARDS AND CONTROL PROCEDURES	5
LOSS INVESTIGATION AND REPORTING	6
INSPECTIONS	6
TAIL GATE SAFETY MEETINGS	7
SAFETY RULES	8
EMERGENCY MEDICAL TREATMENT/CONTINGENCY PLANNING	9
HOUSEKEEPING	9
PERSONAL PROTECTIVE EQUIPMENT	10
FIRE PREVENTION	11
HAZARD COMMUNICATION PROGRAM	11
TOOLS AND EQUIPMENT	12
TRAFFIC SAFETY/CONTROL	12
MOTOR VEHICLES, EQUIPMENT AND MAINTENANCE	13
BARGE OPERATIONS	13



INTRODUCTION

One of the primary objectives of BJ Rock, LLC, is to ensure the performance of work in all phases of the Company's operations are conducted in a manner that will ensure the health & safety of all job site personnel. In meeting this objective, and in keeping with our philosophy that there is no job so important that it cannot be done safely, there are certain responsibilities and procedures that must be defined. This Health & Safety Plan outlines the procedures and assigns responsibilities.

To the greatest degree possible, BJ Rock, LLC, will provide all mechanical and physical facilities required for personal safety and health. In return, all job site personnel will follow all safety rules, take no unnecessary risks, and utilize all safeguards and safety equipment provided.

Compliance with the health & safety program will minimize, control, and hopefully eliminate injuries and illnesses. Our goal is to become leaders in the control of losses.

Health & Safety is a responsibility that will be assumed by everyone.

SAFETY RESPONSIBILITIES

Owners and Employees

All owners and employees have a responsibility for their own safety, but they likewise have a responsibility to their family, their fellow workers, and to their employer to work safely. Owners and employees will be responsible for:

1. Complying with all Company rules including the Company Safety Policy and all government safety regulations.
2. Following instructions from their supervisors/seniors.
3. Using personal protective equipment and devices provided for machinery, equipment, tools and processes.
4. Reporting all accidents and injuries immediately.
5. Understanding emergency procedures in case of fire or other catastrophe.
6. Reporting all unsafe conditions to their supervisors/seniors or appropriate person.
7. Understanding the importance of the safety meetings and safety materials presented to them.
8. Cooperating when injury investigations are being made so that accident causes can be determined and corrective action taken.



9. Understanding their assigned task. If there are any questions or doubts, the employee must ask his immediate supervisor.

GENERAL PROJECT HAZARDS AND CONTROL PROCEDURES

- At least one copy of this plan must be readily available to all personnel.
- All site personnel must use the buddy system whenever practical (working in pairs or teams).
- Emergency equipment must be removed from storage locations and staged in readily accessible locations.
- Owners and employees must inform their partners or fellow team members of non-visual effects of exposure to toxic materials. The symptoms of such exposure may include:
 - Headaches
 - Dizziness
 - Nausea
 - Blurred Vision
 - Cramps
 - Irritation of the eyes, skin, or respiratory effects

Although chemical and/or hazardous materials are not expected to present on most projects, field personnel must observe each other for signs of chemical exposure. Indication of adverse effects include, but are not limited to changes in complexion, skin coloration, coordination, demeanor, speech pattern, and excessive papillary response or salivation.

Environmental hazards such as weather, wild animals, insects, and irritant plants are always potential problems in outdoor work. Field personnel will make every effort to alleviate these hazards should they arise. Potential environmental hazards include thunderstorms, lightning and tornadoes. The Supervisor should observe to see if lightning is approaching the area or if conditions for the development of a tornado are possible. The Supervisor shall halt work and seek the safety of a shelter including permanent buildings.

Exposure to noise over the OSHA action level can cause temporary hearing loss and prolonged exposure can develop permanent hearing loss. In addition to damaging hearing, noise can impair voice communication, therefore increasing the risk of accidents on the site. All personnel must wear hearing protection when noise levels exceed 85 dB and incorporate hand signals to increase communication ability.



The control of losses is dependent upon the ability of owners and employees to perform their job tasks correctly. Specific job safety training is a proven method of instructing owners and employees how to do the job for which they are hired. The following steps should be taken to ensure understanding and learning:

1. Each field person must be instructed in the recognition and avoidance of unsafe conditions and the regulations applicable to their work environment to control or eliminate any hazards or other exposure to illness or injury.
2. Each field person required to handle potentially harmful substances must be instructed in their safe handling and use and be made aware of the proper protective measures to follow.
3. Each field person required to handle a flammable or potentially toxic material will be instructed in the safe handling and use of these materials, and be made aware of proper protective measures to follow.
4. A continuing safety and health awareness program will be maintained throughout daily and weekly tailgate meetings, work area signs and posters, etc.

MSDS AWARENESS

Copies of Material Safety Data Sheets for all hazardous substances to which owners and employees may be exposed will be available and accessible to all personnel. Owners and employees will be thoroughly trained in the informational areas of the MSDS and will be instructed as to the appropriate assimilation and use of this information in both routine and emergency events. BJ Rock will provide periodic training sessions to applicable personnel on hazardous substances, hazardous areas, hazardous operations and hazardous conditions.

PROJECT SPECIFIC HAZARDS AND CONTROL PROCEDURES

On-site hazards may include physical and chemical hazards. These products can affect the body if they come in contact with the eyes or skin, are ingested or inhaled. These materials may be released during soil-intrusive activities.

Soil-intrusive activities such as drilling or sampling may provide the potential for encountering buried hazards. It will be the Driller's responsibility to make sure utilities have been located/cleared before drilling begins. If a buried hazard is encountered, the drilling will be halted and the Driller will notify the appropriate person of the hazard and immediately review the utilities. Drilling will not proceed until a thorough utility recheck is completed.

The following protocols shall be utilized during all site work when chemical contamination is suspected or discovered through noticeable odors or visual indications:



- Halt work immediately.
- Report the suspected condition to the appropriate person.

Proceed with work only after clearance from the appropriate person and/or agency.

LOSS INVESTIGATION AND REPORTING

To prevent future losses we must learn from our past experiences. If effective measures are established and carried out, based upon previous losses, the probability of a recurrence of a similar type loss will be reduced. All owners and employees with loss investigation responsibilities will follow the Company's Accident Investigation format.

METHOD OF INVESTIGATION

1. When an accident/loss occurs, the first concern is for the injured person. They should have immediate access to first aid or medical facilities.
2. In the event of an accident, the injured person's supervisor is in the best position to initiate an accident investigation and prepare a sound analysis of the basic causes. The investigation should be conducted immediately after providing assistance to the injured employee at the accident site before facts become obscure or distorted.
3. After a loss occurs, all necessary steps must be immediately taken to prevent further injury or damage. Control the cause(s) of the loss permanently. Temporary measures should only be taken to prevent further immediate danger.
4. The cause(s) of the injury, illness or property damage must be determined. It is important to conduct a thorough investigation and identify all possible contributions to the incident.
5. The "Report of Accident Investigation" will be utilized as a basis for completing the investigation. The report must be completed within 48 hours from the time of the accident. Accurate information must be available pertaining to the description of loss, the analysis and remedial action taken.
6. Accidents must be reported immediately to the Owner.
7. Accident/loss causes identified will be immediately corrected to prevent future injury.

INSPECTIONS

Machines, materials, tools and equipment will eventually wear out or be abused by owners and employees with use. Owners and employees may place these and even themselves in unsafe positions or locations. For the safety and health of personnel, clients, and the public, it is imperative that existing hazards be identified and eliminated or controlled. Regular inspections of the total work place environment are essential in view of the legal and moral obligations to provide for the safety of owners and employees and the public.



The following methods should be applied to:

- ☐ Maintain a safe work environment
- ☐ Control the unsafe actions of people
- ☐ Assure quality of workmanship
- ☐ Uphold operation profitability

Safety inspections will be an integral part of the job site safety program. There shall be a general safety inspection of the jobsite no less than once a day and appropriate measures shall be taken to assure compliance with the safety program.

METHOD OF INSPECTION

1. The job site will be thoroughly inspected. A common hazards checklist may be utilized as an inspection guide.
2. The inspection must be systematic and complete. Once the areas requiring inspection are identified, including those out-of-the-way places that are rarely looked at, they will be reviewed and inspected.
3. Any area believed to pose a potential hazard or to present a safety risk will be marked and access to this area restricted until further investigation can be completed and the area is deemed safe and secure.
4. Upon discovery of an unsafe area, corrective action must be taken promptly. When permanent measures are not feasible at once, temporary measures may be undertaken to avert immediate danger.
5. Follow up to assure that corrective action has permanently eliminated or controlled the basic cause of each unsafe practice or condition.

TAIL GATE SAFETY MEETINGS

Jobsite safety meetings will be held each day (when appropriate) and should cover any and all potential hazards and concerns. During the safety meeting, the following should be discussed:

1. Any existing unsafe physical conditions or hazards.
2. Unsafe acts observed by others.
3. Accident hazards associated with work to be performed that day.
4. Any accidents occurring prior to the safety meeting.
5. Any observations or concerns regarding unsafe or hazardous conditions or practices.



A daily safety meeting form will be filled out and initialed by all persons on site that day indicating they attended the meeting. Any problems, which have been brought up during the meeting that cannot be resolved on site, should be brought to the attention of the appropriate person.

SAFETY RULES

The following safety rules and procedures apply to all BJ Rock, LLC owners and employees and must be complied with at all times while on the job site.

1. Owners and employees must wear hard hats, safety glasses and sturdy, construction type work shoes. Other personal protective equipment, life vests, etc., must be worn as appropriate.
2. Goggles shall be worn when there is danger from flying objects.
3. Hearing protection may be necessary during the operation of loud machinery.
4. Work areas will be kept neat and clean. Good housekeeping will be practiced at all times.
5. Materials will be stored in an orderly and accessible manner.
6. All power and hand tools must be used in a safe manner. Owners and employees must be instructed in the proper use of these tools before they use them.
7. Tools must be kept in safe working condition. Defective tools or equipment are to be labeled and removed from circulation for repair or disposal.
8. Only authorized personnel will operate equipment and motorized vehicles.
9. Live electrical wires are to be marked as such and secured to eliminate any threat.
10. Owners and employees must be instructed not to walk under suspended or overhead loads.
11. The use, distribution and/or possession of, or being under the influence of, alcoholic beverages or controlled substances while on the job is strictly prohibited.
12. Seat belts shall be worn while operating over the road vehicles.
13. Our line of business can be a hazardous occupation; "horseplay" will not be tolerated.



14. Hazardous and unsafe acts are to be reported to the supervisor immediately.
15. Owners and employees will be required to attend their applicable job site safety meetings.
16. Life jackets will be required at all times on all over water work.
17. All accidents are to be reported to the supervisor immediately.

EMERGENCY MEDICAL TREATMENT/CONTINGENCY PLANNING

Provisions for emergency treatment shall include the following:

- First Aid kits in compliance with OSHA requirements.
- Phone numbers and procedures for contacting ambulance services, fire department, and medical facilities can be found in this manual.
- Maps and directions to the medical facilities.

If an accident occurs, the following procedures will be used:

- The incident will be evaluated and the need for assistance will be assessed
- The Supervisor will be notified
- The call for outside assistance will be made if appropriate
- The incident scene will be photographed/documented

HOUSEKEEPING

Good housekeeping on job sites and the office means more than just cleanliness. It relates to a good planning which will promote both efficiency and the control of accidents. It is the policy of this company to maintain and promote good housekeeping in all projects by the use of the following basic requirements.

1. Storage of materials and equipment: A well-planned storage area is basic to good job site housekeeping.
2. Storage methods: The following procedures should be followed in the storing and piling of materials:
 - a. Do not overload vehicles, floors, platforms, racks or bins.
 - b. Ensure that surfaces intended to support stacks of material are even and level.
 - c. Keep all stacks at safe heights to prevent collapse or unnecessary strain when removing from storage.
 - d. Use mechanical equipment to stack material whenever possible.



3. Disposal of trash and scraps: Provide a means to dispose of trash and scraps from the job site on a regular basis. It is particularly important that a regular schedule be maintained for cleaning up areas and disposing of trash and debris collected. Class A material (paper, cardboard, wood) will be disposed of properly and not allowed to accumulate.
4. Work areas: It is particularly important to keep excess materials out of walkways and roadways, away from ladders and stairs and off scaffolds. Temporary pipe, hoses, electric cords, etc., shall be routed or protected so as not to create a tripping hazard.
5. Leakage and spillage: Grease, oil or other liquids should not be allowed to accumulate. Proper oiling of machines and equipment reduces slip hazards. Closed containers should be used to control spillage. This can be a hazard both in respect to slipping and falling, as well as obvious fire hazards, which may be created.
6. Flammable and combustible liquids
 - a. Approved containers and portable tanks will be used for storage and handling of flammable and combustible liquids.
 - b. Flammable liquids will be kept in closed containers when not actually in use.

PERSONAL PROTECTIVE EQUIPMENT

Personal protective equipment includes articles of clothing and devices worn to protect parts of the body. When a hazard cannot be eliminated or controlled, it becomes the responsibility of the worker to make sure he/she is equipped with the necessary protective equipment. The level of activities for most projects will require the following PPE to perform the job in a safe manner:

1. Head protection: All owners and employees, visitors, inspectors and other people on the job site are required to wear hard hats at all times while in the work area.
2. Eye protection: All owners and employees will be provided and must wear adequate equipment for protection against eye hazards, which may be encountered on the job. The size and style should be selected to protect the eye fully.
3. Foot protection: All owners and employees shall wear adequate, sturdy shoes. Shoes worn on the construction site should have soles, which guard against punctures and slipping. Where there is a frequent possibility of hard objects being dropped on the foot, proper protection should be provided in the form of steel-toe shoes with chemical resistances.
4. Hand protection: Gloves that provide protection from cuts, bruises, concrete burns, caustic substances, slivers, and chemical burns.



5. Respirator: Should conditions merit, all personnel in affected area shall wear respiratory protection appropriate to the hazard present.
6. Hearing protection: Should conditions merit, all affected personnel shall wear appropriate hearing protection.

FIRE PREVENTION

The best way to reduce fire-related loss is to stop fires from starting. Each person on the project is a fire inspector and should take this responsibility seriously, both on and off the job. Each job should be inspected on a continuing basis to eliminate fire hazards. Some examples of common fire hazard areas, which should be closely monitored, are:

- ☐ Fuel storage - bulk tanks must meet codes. Portable fuel cans should be OSHA approved. Paint, thinners, and other flammable chemicals should be properly stored.
- ☐ Electrical systems must not be overlooked. Fuse sizes are in proportion to wire sizes. Care must be taken not to overload circuits.
- ☐ Good housekeeping prevents fires. Scraps should be disposed of before they become a fire hazard. Combustibles must never be stored near a furnace, hot water heater or in other hot areas.

HAZARD COMMUNICATION PROGRAM

BJ Rock, LLC is firmly committed to providing all of its owners and employees with a safe and healthy work environment. It is a matter of company policy to provide our owners and employees with information about hazardous substances on the work site through the Hazard Communication Program, which includes instruction in container labels and labeling, Material Safety Data Sheet (MSDS) interpretation, and employee information/training courses conducted on an as needed basis.

A list of all hazardous chemicals that will be used on the work site is compiled by reviewing container labels and Material Safety Data Sheets. The list will be updated as necessary and will be kept in crew trucks, and shop and maintenance areas. It is the policy of this company to ensure that each container of hazardous substances, hazardous areas and vehicles carrying hazardous substances will be properly labeled and/or placarded. In addition, all secondary containers are labeled.

BJ Rock provides owners and employees with the training on how to lessen or prevent exposure to hazardous substances by using good work place practices, personal protective equipment, etc. Owners and employees are given emergency procedures to follow if they are exposed to hazardous substances.



TOOLS AND EQUIPMENT

1. All electrically powered tools or equipment will be grounded by means of a third wire to a proper ground.
2. All extension cords and electrical service outlets will be of the grounded type utilizing a third wire for grounding purposes.
3. All power tools used in wet conditions shall be connected to a Ground Fault Interrupted (GFI) circuit.
4. Power tools will be operated by qualified, authorized personnel only.
5. Tools, equipment or material will not be thrown up or down from one working level to another. They will be sent up or down by use of a hand line or other safe, suitable method.
6. Hand tools will be used only for the purpose for which they are intended. Those tools found to be unsafe will be removed from the job, whether company or employee owned.
7. The use of unsafe tools, frayed or defective electrical cords or equipment and unguarded equipment will not be permitted.
8. Utilizing gasoline as a cleaning solvent is strictly forbidden. An approved cleaning solvent will be used to clean tools, machinery and equipment.
9. All gasoline will be transported from storage to machinery only in safety cans. Transfer from the can to the machine will be done through a metal funnel inserted into the mouth of the fuel tank.
10. Power tools and equipment will be shut down before cleaning.
11. Gasoline motors will be shut down before refueling.
12. Tools or equipment will be shut down before safety guards are removed for repairs or adjustment.

TRAFFIC SAFETY/CONTROL

1. Any construction, storage of materials, equipment, excavation or trenching operations creating a hazard to vehicular traffic will be protected by flagmen, barricades, flags, warning lights or other necessary forms of protection in accordance with the applicable permitting agency.



2. All posted signs and speed limits will be obeyed, and the rules of the road will be observed in all operations in all areas.
3. A full stop will be made at all railroad crossings.

MOTOR VEHICLES, EQUIPMENT AND MAINTENANCE

1. General requirements

Heavy machinery, equipment or parts thereof which are suspended or held aloft by use of slings, hoists or jacks will be substantially blocked or cribbed to prevent falling or shifting before owners and employees are permitted to work under or between them. Equipment will not be operated within 15 feet of unprotected, energized power lines or transformers.

2. Motor vehicles

- a. All vehicles will have all tires, lights, horn, brakes, windshield wipers and glass maintained in good condition.
- b. Motor vehicles and equipment having an obstructed view to the rear will be used in reverse only if the following conditions are met: a signalman is used to direct the driver and/or back up alarms are installed.
- c. Vehicles used to transport owners and employees will have seats firmly secured and adequate for the number of people to be carried.
- d. Seat belts will for all vehicle occupants will be required while the vehicle is in operation.
- e. All vehicles in use will be checked to assure that all equipment and accessories are in good operating condition.

BARGE OPERATIONS

These safety rules apply to BJ Rock personnel and their subcontractors working over the water, on floating vessels, or where the danger of drowning exists.

- a. All personnel working over the water, with no exceptions, will wear a U.S. Coast Guard approved life vest or life jacket.
- b. While workers are on a barge, there will be a work or crew boat with that vessel at all times.
- c. All owners and employees working on a barge must sign in on a daily safety meeting form.
- d. The Supervisor is responsible for the daily safety meeting.
- e. No unauthorized personnel will be permitted to board the barge or enter work area for any reason.
- f. An air horn will be placed on the barge and will be readily accessible for any employee to use in case of an emergency.



- g. A fire extinguisher will be in place on the barge and easily accessible in case of a fire.
- h. In the event of any emergency on the barge, all owners and employees will exit barge onto work/crew boat and will be transported back to land until further notice.

Safety is everyone's responsibility!
Everyone work safe!

PRE-JOB BRIEF CHECKLIST
(Tailgate Safety Meeting)



GENERAL INFORMATION

Job Date:

Person In-Charge:

Job Location:

Job Description:

Other Work Groups Involved:

Emergency Number(s):

Emergency Procedures:

JOB TASK REVIEW

Risks associated with this job:

Defense steps in place to avoid risks:

What are we going to do?

How?

When?

Where?

Who?

PERSONAL PROTECTIVE EQUIPMENT / CAPABILITIES

All appropriate safety equipment / gear in place?

(ie. Safety cones, hard hats, safety vest, boots, gloves, goggles, etc..)

All workers physically able / in good health to perform the work?

ADDITIONAL COMMENTS

Initials of Workers
1st Brief 2nd Brief

Certificate of Training

U.S. Department of Labor
Mine Safety and Health Administration



2010-2011 OSHA 10-hour Training Expires April 30, 2012
This certificate is awarded under the Federal Safety Training Act, 30 U.S.C. 194, and the Federal Safety Training Act, 30 U.S.C. 194, and the Federal Safety Training Act, 30 U.S.C. 194, and the Federal Safety Training Act, 30 U.S.C. 194.

Issue Certificate Immediately Upon Completion of Training

2010-2011 OSHA 10-hour Training Expires April 30, 2012

7417

1. First Full Name (last name, first name, middle name)

2. Type of Operation (check all that apply)

☐ General

☐ Construction

☐ Manufacturing

☐ Other (specify below)

3010

3020

☐ Experienced Miner

☒ Safety Training
(check all that apply)

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☐ Hazard Training

☐ Other (specify below)

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3100

Check Type of Operation and Role of Industry

☐ General

☐ Construction

☐ Manufacturing

☐ Other (specify below)

3010

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3030

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