

EXHIBIT B

**Final TRP,
signed July 9, 2014**

STATE OF NEW YORK
DEPARTMENT OF ENVIRONMENTAL CONSERVATION



TEMPORARY REVOCABLE PERMIT
SHORT-TERM PERMIT FOR INDIVIDUALS AND/OR GROUP EVENTS
ON DEC-MANAGED PUBLIC LANDS AND CONSERVATION EASEMENTS

The NYS Department of Environmental Conservation grants permission to the Permittee to use the specified State lands for the described purposes in accordance with all attached Terms & Conditions. TRPs will only remain valid if all necessary permits and/or insurance are obtained and kept current by the Permittee.

Permittee Name: Brian Glackin

Organization: NYCO Minerals Inc.

State Land Unit Name(s): JAY MOUNTAIN WILDERNESS AREA

Facility, Trail or Road Name(s): Lot 8

Description of Use:

Mineral exploration of Lot 8 (South Tract, Town of Lewis, Essex County) including (1) the development of access corridors and drill pads and (2) site restoration, as defined in accordance with the attached work plan, tree tally and special terms and conditions.

Maximum Attendees Permitted:

Start Date of Use: Jul 9, 2014

End Date of Use: May 1, 2015

Primary DEC Contact: Robert Daley

Phone: 518-897-1369

APPLICATION FEE: <input type="checkbox"/> Exempt	OR	<input checked="" type="checkbox"/> RECEIPT #:	MAP ATTACHED: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N
INSURANCE CERTIFICATE: <input checked="" type="checkbox"/> Attached		<input type="checkbox"/> N/A	
REGIONAL REVIEW			TRP #8027
DATE ISSUED TO APPLICANT: <input type="text"/>			
TYPE: <input type="checkbox"/> Expedited <input type="checkbox"/> Routine <input checked="" type="checkbox"/> Non-Routine <input type="checkbox"/> Research <input type="checkbox"/> Renewal <input type="checkbox"/> Extension			
RECOMMEND: <input checked="" type="checkbox"/> Approved <input type="checkbox"/> Denied		SPECIAL TERMS & CONDITIONS: <input checked="" type="checkbox"/> Attached <input type="checkbox"/> N/A	
REGIONAL MANAGER SIGNATURE: <input type="text" value="K. Daley"/>		DATE: <input type="text" value="7/9/14"/>	
REGIONAL DIRECTOR SIGNATURE: <input type="text" value="Robert A. Stegmann"/>		DATE: <input type="text" value="7/9/14"/>	
CENTRAL OFFICE REVIEW			<small>* NON-ROUTINE & FOREST PRESERVE RESEARCH PERMITS ONLY</small>
RECOMMEND: <input checked="" type="checkbox"/> Approved <input type="checkbox"/> Denied		SIGNATURE: <input type="text" value="Robert K. Daley"/>	DATE: <input type="text" value="7/9/14"/>
STATE MUSEUM REVIEW			<small>* IF APPLICABLE</small>
RECOMMEND: <input type="checkbox"/> Approved <input type="checkbox"/> Denied		SIGNATURE: <input type="text"/>	DATE: <input type="text"/>
OFFICE OF PARKS, RECREATION AND HISTORIC PRESERVATION REVIEW			<small>* IF APPLICABLE</small>
RECOMMEND: <input type="checkbox"/> Approved <input type="checkbox"/> Denied		SIGNATURE: <input type="text"/>	DATE: <input type="text"/>



TEMPORARY REVOCABLE PERMIT

STANDARD TERMS & CONDITIONS

1. Permittee hereby agrees to indemnify and save harmless the Department and the State of New York from and against all losses from claims, demands, payments, suits, actions, recoveries and judgments of every nature and description brought or recovered against it by reason of the Permittee's use of the State land facilities which are the subject of this permit.
2. Permittee shall comply with all applicable Federal and State rules and regulations and shall obtain and keep current any additionally required Federal, State or local permits for the full duration of the permitted activity.
3. This permit shall at all times be subject to the approval of the Department and may be suspended or revoked at any time.
4. If public liability insurance is required by the Department, the Permittee must keep in force such insurance for the full duration of the permit.
5. Permittee shall notify the primary DEC contact person listed below at least 48 hours prior to commencing permit use and upon completion of use.
6. Any activity authorized under this permit shall not interfere with normal administration of the area by the Department.
7. No trees or other vegetation shall be cut, disturbed or removed unless specifically authorized by the Department.
8. Permittee shall be responsible for any damages or disturbances that occur to natural resources, public facilities, boundaries or survey markers resulting from the permitted activity.
9. Permittee is responsible for removing all litter and debris from the State Land facility covered by this permit within 24 hours of completion of the authorized activity.
10. Upon completion of the activity, Permittee shall meet with the primary DEC contact person listed below to inspect the area and to ensure that the Permittee has complied with all terms and conditions.

NYCO Minerals Inc. Exploratory Drilling, Lot 8 Jay Mountain Wilderness Area
SPECIAL TERMS & CONDITIONS

In addition to the aforementioned Standard Terms & Conditions, this permit is subject to the following Special Terms & Conditions. Failure of the Permittee to comply with any Terms and Conditions will void this permit.

1. If the work allowed by this permit is transferred to a third-party work crew, NYCO shall notify the primary Department of Environmental Conservation (Department) contact for this permit, Robert Daley (518) 897 - 1369, and provide a copy of this permit with all terms and conditions to the third-party work crew.
2. Site disturbance activities including tree cutting will be prohibited before July 16, 2014. No physical disturbance will be permitted within 100 meters of the northern and western boundaries of Lot 8 (Lot 8 boundary with the Jay Mountain Wilderness Area). One (1) week prior to commencing any tree cutting pursuant to this permit, the crew performing the onsite work shall contact the above Department contact to discuss the scope of the work, in order to ensure the crew understands the limited scope of the cutting allowed and to discuss the location in which the crew will be working.
3. Trees shall not be felled if the potential interference with the permitted access corridor may be avoided through the pruning of tree limbs.
4. The work crew is allowed to cut up to 1254 tallied trees within the permitted access corridors as listed in the attached "Lot 8 Exploratory Tree Tally." These trees are larger than 3" DBH and have been marked and tallied by DEC Forester Tate Connor.

Since work will be done in three phases, with phases two and three being dependant on the results of phase one, the tree tally has been broken into three phases as well (see below). Total trees for all phases equals 1254.

Phase one: 530 trees

Phase two: 209 trees

Phase three 515 trees

5. Stumps of the above permitted trees shall be confined to a height of 6" or less.
6. Woody plants with a DBH less than 3" may be cut if they are within any permitted access corridor. To avoid creating public safety hazards, all woody growth less than 3" DBH shall have level stumps not to exceed 3" above ground.
7. All limbs shall be cut/pruned perpendicular to the branch outside the branch collar. All pruning shall conform to *ANSI 300 (Part 1) Tree Pruning Standards*. Limbs on every felled evergreen tree must be removed to a point from the trunk where such limbs are 3" in diameter or less.
**Mechanical pruning is prohibited.*
8. All cut material shall be dispersed onsite within two (2) days of being cut in consultation with the Department.

9. No part of any tree felled or pruned pursuant to this permit shall be removed from Lot 8 after it has been dispersed on site.
10. Any tree to be felled or pruned pursuant to this permit shall not be accessed via motor vehicle outside of any permitted access corridor.
11. Department staff will be on-site when access corridors and drill pad sites are being developed to ensure that disruption of vegetation is kept to the minimum necessary.
12. Motor vehicles may be used only as specified in the attached "Work Plan for Exploration of Lot 8 located in the Jay Mountain Wilderness" (Work Plan).
13. Any additional required permits must remain current for the extent of the work to be completed under this permit. This includes a Stormwater Pollution Prevention Plan (SWPPP) approved by the Department Division of Water.
14. Any disturbed soil must be stabilized, seeded and restored to an appropriate condition as required by the approved SWPPP and directed by Department personnel.
15. NYCO must keep in force a liability insurance policy in favor of the State of New York for the full duration of the permit. This permit is not valid whenever such policy is not in force.
16. To prevent the spread of invasive plants and animals the following BMPS will be followed:
 - Prevent introduction of invasive plants and animals to the site.
 - All tools and equipment used during this activity shall be sterilized before the initial site visit and before any subsequent site visits pursuant to standard best management practices provided by the Department.
 - Clean all clothing and boots prior to visiting the site.
 - Use native plants and weed free seed and mulch (straw, wood fiber)
 - Keep equipment on-site during the project. Equipment that leaves the site will need to be cleaned again before returning to the site.
 - Use uninfested areas for staging, parking, and cleaning equipment.
 - Contain and treat new invasive plants and animals.
 - Report new occurrences of plants and animals to the Department for identification.
 - Minimize transport of invasive plants and animals from infested to uninfested areas.
 - Avoid and minimize all types of travel through any infested areas identified by DEC.
 - Maintain desirable species. Suppress growth of invasive plants or prevent their establishment.
 - Maintain closed canopy to the extent possible (only trees approved by DEC may be cut).
 - Seed bare surfaces with approved weed free conservation mix as soon as work is completed on each pad site.
 - All NYCO personnel or contractors working on or visiting Lot 8 will be familiar with BMPs for preventing the spread of invasive plants and requirements of the work plan, TRP and SWPPP.
17. Drill pads shall be properly restored as specified in the attached Work Plan prior to leaving the site.
18. Drilling may not take place on more than one drill pad site at any one time. NYCO cannot develop drill pads in subsequent phases of the project until the previous phase has been completed and

reclaimed in a manner consistent with the Work Plan and completed to satisfaction of Department Personnel.

19. Noise and/or lighting impacts associated with this project will be mitigated by maintaining a closed canopy to the extent possible and limiting lighting and drilling activity (noise) to one pad site at any one time. Complaints from neighboring landowners will need to be addressed by NYCO.
20. NYCO shall be responsible for posting the general area of work with safety notices acceptable to the Department. NYCO will also be responsible for maintaining each drilling site in a safe condition and establishing a safety barrier of signs, rope and caution tape around the site in accordance with the Work Plan.
21. The Department has the authority to stop work on this project at any time to address environmental, safety or other associated concerns.
22. This permit shall function under the performance bond, issued in the amount of \$125,000 for the faithful completion of the aforementioned terms and conditions.
23. NYCO shall provide all data and information derived from such drilling to the Department as deemed necessary for appraisal purposes.
24. Work will not be permitted on the site after 7:00 PM on Saturdays, all day on Sundays and all day on federal holidays.
25. This TRP may be revoked or suspended at any time at the sole discretion of the Department.
26. In the event that NYCO fails to comply with the terms and conditions of the TRP, the Department may take necessary action against NYCO to enforce such terms and conditions, including but not limited to requiring corrective action and/or site restoration. Upon determining that NYCO has failed to comply with the terms and conditions of this TRP, the Department may revoke or suspend the TRP immediately or may send to NYCO by certified mail, return receipt requested, a "Notice to Correct" specifying the corrective action, site restoration or other measures to be undertaken and completed. If the required work is not completed by the NYCO within 10 business days following such receipt of "Notice to Correct" and the NYCO is unable to demonstrate a good faith effort to complete such work to the Department's satisfaction, the TRP may be terminated for cause or the performance security may be forfeited, or both, at the Department's option.
27. NYCO will contain and remediate any spills. All spills must be reported to DEC immediately.
28. Drip pans will be used under all vehicles and drilling equipment.
29. TRP will be revoked if drilling additives other than additives listed in the approved work plan are used. Use of EZ Mud and EZ Mud Gold is prohibited.
30. Leftover drilling fluids must be disposed of by a hauler permitted under NYCRR Title 6, Part 364.
31. Marker pipes for core hole locations will be removed if the lands exchange does not occur.



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)
07/09/2014

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 MARSH USA, INC. SHERIDAN MEADOWS CORPORATE PARK NORTH 6500 SHERIDAN DRIVE, SUITE 114 WILLIAMSVILLE, NY 14221 Attn: upstate.certrequest@marsh.com 310033-NYCO-GA-13-14	CONTACT NAME: PHONE (A/C, No, Ext): _____ FAX (A/C, No): _____ E-MAIL ADDRESS: _____	
	INSURER(S) AFFORDING COVERAGE	
INSURED NYCO Minerals, Inc. 803 Mountain View Drive P.O. Box 368 Willsboro, NY 12996-0368	INSURER A: Chartis Specialty Insurance Co. NAIC # 26883	
	INSURER B: N/A NAIC # N/A	
	INSURER C: N/A NAIC # N/A	
	INSURER D: _____	
	INSURER E: _____	
	INSURER F: _____	

COVERAGES **CERTIFICATE NUMBER:** NYC-006780972-02 **REVISION NUMBER:** 6

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	GENERAL LIABILITY <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 type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC			EG 1570306	06/30/2014	09/01/2014	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 1,000,000 MED EXP (Any one person) \$ 25,000 PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COM/OP AGG \$ 2,000,000 \$
	AUTOMOBILE LIABILITY <input type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> HIRED AUTOS <input type="checkbox"/> NON-OWNED AUTOS						COMBINED SINGLE LIMIT (Ea accident) \$ BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ \$
	UMBRELLA LIAB <input type="checkbox"/> OCCUR EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED _____ RETENTION \$ _____						EACH OCCURRENCE \$ AGGREGATE \$ \$
	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) <input type="checkbox"/> Y/N If yes, describe under DESCRIPTION OF OPERATIONS below			N/A			WC STATUTORY LIMITS _____ OTH-ER _____ E.L. EACH ACCIDENT \$ E.L. DISEASE - EA EMPLOYEE \$ E.L. DISEASE - POLICY LIMIT \$

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)
THE PEOPLE OF THE STATE OF NEW YORK, ITS OFFICERS, AGENTS, AND EMPLOYEES ARE INCLUDED AS ADDITIONAL INSURED, WHERE REQUIRED BY WRITTEN CONTRACT.

CERTIFICATE HOLDER DEC REGION 5 - EASTERN ADIRONDACKS & LAKE CHAMPLAIN CLINTON, ESSEX, FRANKLIN, FULTON, HAMILTON, SARATOGA, WARREN, WASHINGTON COUNTIES 1115 NYS RTE 86, PO BOX 296 RAY BROOK, NY 12977	CANCELLATION 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 of Marsh USA Inc. Nancy P Mancuso <i>Nancy P. Mancuso</i>
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Work Plan:

Mineral Exploration of Lot 8 of Stower's Survey

Located in the Jay Mountain Wilderness Area, Town of Lewis, Essex County, NY

The Department of Environmental Conservation (Department), pursuant to this WORK PLAN, will allow NYCO Minerals, Inc. (NYCO) of Willsboro, NY to explore the mineral resources located within and under a parcel of land located adjacent to its current mining operations within the area known as Lot 8 of Stower's Survey.

Description of Intended Use

Lot 8 is believed to host an extension of a wollastonite deposit currently mined on an adjacent parcel. In order to verify this belief, NYCO will diamond core drill the parcel to the ultimate depth of the mineral bed (maximum 400 ft depth from the surface). This process requires access corridors and drill pads through the forested parcel. Attachment A includes two (2) Site Maps (with and without aerial background) identifying proposed test holes and access corridors.

Exploratory drilling is a step process. Initial exploration results guide the decision making process whether to complete the entire plan or stop drilling early. The main reason to stop drilling would be a change in geology constituting elimination of the target mineral by geologic forces. NYCO is planning twenty one (21) diamond cored test holes in three (3) drilling phases. Holes 1 through 8 will be drilled first. These will determine if the mineral beds extend significantly into the parcel. If these results are promising, Phase 2 comprises a group of holes closer to Lot 8's existing boundary to define the mineral zone adjacent to NYCO's property (Holes 9-13). If Phase 3 is warranted, Holes 14 through 21 will be completed.

Please note site access work described below will only be extended to future holes after a decision is made to pursue subsequent phases. Attachment A shows the proposed progression of the project and access corridors. Upon completion of the project, all drilling sites and corridors will be cleared of equipment, disturbances reclaimed, seeded, and mulched.

The expected timeline is four (4) to eight (8) months depending upon driller availability and weather. Site preparation will be by NYCO and Pulsifer Logging, Inc. Drilling contractor selections have not been finalized. Site and access corridor reclamation will be by NYCO.

Maximum disturbance will not exceed 7.35 acres. Based on the drilling and access corridor plan described herein, and discussions with Department Foresters at the site, NYCO plans a maximum 13,355 linear ft access corridor and twenty one (21) drilling sites (approx. 2,500 ft² each), should all three (3) phases be deemed necessary.

The project consists of three (3) distinct operations:

- 1) Site Preparation - development of access corridors and drill sites;
- 2) Drilling - activities at each individual drilling location; and
- 3) Reclamation – restoration of each drilling location and access corridors.

These operations will be repeated in this order for each subsequent phase to be pursued. Drilling waters will be recycled to the maximum extent practical.

Site Preparation

A. Drilling Access

- a. Field Mark Paths/Drill Sites/Drill hole locations
- b. Identify tree removal requirements (if unavoidable)
- c. Clear corridors consistent with the terms of the Temporary Revocable Permit issued by the Department (TRP)- No bulldozing. Boulder removal may be required. Access corridors to be cleared in phases only (i.e., Test Hole No. 1-8, Test Hole No. 9-13, Test Hole No. 14-21).
- d. To ensure protection of the water resources on Lot 8, access corridors and drill pad sites will avoid wetlands and surface water to the extent possible. Routes and pad sites have been marked on the ground. APA wetland staff will visit the site to evaluate the locations and coordinate with DEC to move corridors or pad sites that could have a significant impact on water resources.

B. Drill Site Preparation

- a. Drill sites (50 ft x 50 ft) to be developed consistent with the terms of the TRP. Tree removal minimized to maximum extent practical.
- b. Best Management Practices (BMPs) i.e., silt fence, straw bales, etc. to be installed in accordance with the Stormwater Pollution Prevention Plan (SWPPP). BMPs to be field located by Engineer, however, it is anticipated silt fence will be placed downgradient of drill sites to prevent turbid stormwater runoff.
- c. 1 in. HDPE pipe will convey water from 1,000 gal. water storage tank at Seventy Road Mine. Seventy Road Mine water sump will be water source.
- d. Temporary placement of cooling/flushing water closed system recovery/recycle tankage and piping (see Attachment B).

C. Drilling water in tanks will be drained back to the 1,000 gal. tank on Seventy Road Mine for use on the next hole. Sanitary Facilities

- a. Seventy Road Mine Maintenance Shop
- b. Port-a-John at access to Lot 8

D. Contractor Access to Lot 8

- a. All access to Lot 8 will be across NYCO's Seventy Road Mine.

- b. Due to the Seventy Road Mine being an active Mine Safety and Health Administration (MSHA) facility, all personnel engaged in the drilling program entering the site will require MSHA training. All others will require Site Specific Training and this will be available at the Seventy Road Mine Maintenance Shop.
 - c. All NYCO personnel or contractors working on or visiting Lot 8 will register at the Seventy Road Mine Maintenance Shop prior to entering the site.
 - d. All NYCO personnel or contractors working on or visiting Lot 8 will be familiar with BMPs for preventing the spread of invasive plants and requirements of the work plan, TRP and SWPPP.
- E. Other Access to Lot 8
- a. NYCO will not be creating access points to Lot 8 other than the two (2) temporary entry points identified in the attached map.
 - b. In the interest of safety, NYCO will place perimeter rope and safety tape 100 ft outside any active drilling location.

NYCO has spoken with several drilling companies. For situations similar to this site, the contractors will mobilize a track mounted drilling unit. These units can navigate difficult terrain, however, the shortest straight line sections of the access paths should not be less than 25 ft. long. At the time of corridor establishment access corridors will be cut only to the minimum width necessary. On straight level sections, corridor width of 12 feet will be adequate. Where corridors meander due to terrain, or to avoid large trees, a width of 15 feet is necessary to accommodate the drilling equipment. (Excessive meandering will result in more tearing of the forest floor, which can be minimized with a wider access corridor.) Only in areas of tight turns, will a 20 foot corridor be required. Average corridor width will be 15 feet. No corridor will be larger than 20 feet wide. **All tree cutting must be approved by a DEC Forester.**

Drilling Operations

- A. Mobilization (Drilling Company)
 - a. Tram equipment to drill site
 - b. Install water line
 - c. Erect shelter (if necessary, winter operations)
- B. Drilling
 - a. Agricultural grade polyethylene tanks for drilling operations to be filled via 1 in. HDPE pipe conveying water from 1,000 gal. water storage tank at Seventy Road Mine. Seventy Road Mine water sump will be water source.
 - b. Connect and test cooling/flushing water closed system recovery/recycle tankage and piping (see Attachment B)
 - c. Fuel delivered as required for equipment. All other fueling and/or regular maintenance will be on NYCO property (except in case of mechanical failure).
 - d. Winter drilling (24 hr operations due to freezing temperatures).
 - e. Grouting of completed hole (bentonite and Portland cement)

- f. Install 4 ft steel standpipe, with Test Hole No., to monument location of the core hole.
- C. Demobilization
- a. Removal of equipment
 - b. Drill cuttings from operation removed from portable sediment trough and containerized and disposed at NYS approved landfill.
 - c. Drill water remaining in the 1,000 gal. tank at Seventy Road Mine will be disposed by a licensed sanitary service hauler.

Typically, a drill crew can average 100 or more feet of diamond coring per 12 hour shift. Mobilization and demobilization require a full day for each hole. It is anticipated that drilling contractors will introduce biodegradable additives into its cooling/flushing water to assist with drilling operations. Attachment C includes anticipated MSDS's from each drilling contractor bidding on the project. After drilling contractor selection, NYCO will submit specific MSDS sheets for drilling additives to the Department ten (10) days prior to project commencement.

Reclamation

A. Drill Sites

- a. Initial – within 3 days after drill departure from each site
 - i. Site cleanup
 - ii. Mulching – seed free straw
 - iii. Seeding with weed free conservation mix, if required. See note below.
- b. Final – As weather permits
 - i. Reseeding where necessary
 - ii. Removal of temporary BMPs (i.e., silt fence) after significant vegetation establishment.
 - iii. Random distribution of slash and bucked logs across site

B. Access Corridors

- a. After drill site initial reclamation
 - i. General clean-up (i.e., litter)
 - ii. Seed and mulch where necessary
- b. Final – As weather permits
 - i. Reseed where necessary
 - ii. Remove BMPs.
 - iii. Random distribution of slash and logs across access corridors.

Note: NYCO will consult with the Department for appropriate seed requirements for restoration. Reclamation will be ongoing during project. Drill sites will be reclaimed shortly after completion (weather dependent) in compliance with an approved Storm Water Pollution Prevention Plan (SWPPP.)

Upon completion of initial reclamation the site preparation of the next phase may begin. These operations will be repeated in this order for each subsequent phase to be pursued: 1) Site preparation, 2) Drilling operations, 3) Reclamation.

Best Management Practices for the Prevention of Invasive Species

To prevent the spread of invasive plants and animals the following BMPS will be followed:

- Prevent introduction of invasive plants and animals to the site.
 - All tools and equipment used during this activity shall be sterilized before the initial site visit and before any subsequent site visits pursuant to standard best management practices provided by the Department.
 - Clean all clothing and boots prior to visiting the site.
 - Use native plants and weed free seed and mulch (straw, wood fiber)
 - Keep equipment on-site during the project. Equipment that leaves the site will need to be cleaned again before returning to the site.
 - Use uninfested areas for staging, parking, and cleaning equipment.
- Contain and treat new invasive plants and animals.
 - Report new occurrences of plants and animals to the Department for identification.
- Minimize transport of invasive plants and animals from infested to uninfested areas.
 - Avoid and minimize all types of travel through any infested areas identified by DEC.
- Maintain desirable species. Suppress growth of invasive plants or prevent their establishment.
 - Maintain closed canopy to the extent possible (only trees approved by DEC may be cut).
 - Seed bare surfaces with approved weed free conservation mix as soon as work is completed on each pad site.

Timeline for WORK PLAN Implementation

- A. Department and NYCO draft WORK PLAN (Complete)
- B. Department Foresters inspect site with NYCO Personnel (Complete)
- C. Department Foresters conduct Tree Survey (Complete) ATTACHMENT A
- D. Department approves Jay Mountain Wilderness Unit Management Plan Amendment
- E. NYCO obtains necessary SWPPP amendment ATTACHMENT E
- F. NYCO obtains APA jurisdictional determination
- G. Department issues TRP
- H. NYCO selects contractor
- I. NYCO submits MSDS for drilling additives to the Department
- J. NYCO begins Site Preparation (No earlier than July 16, 2014)
- K. NYCO prepared 1st drill site

- L. NYCO Mobilized Driller
- M. NYCO commences drilling
- N. NYCO completes 1st hole
- O. NYCO mobilizes to next hole
- P. NYCO reclaims initial site
- Q. NYCO reclaims final site

Initial Drilling Assessment

No work after permitted 7:00 PM on Saturday. No work permitted Sunday and Holidays

8 holes @ 200 ft minimum depth (400 ft max depth)	
500 hours drilling	
10 hrs/day	50 days
Mobilization	12 days
Contingency	8 days
<u>Total</u>	<u>70 days</u>

Full Drilling Assessment (in addition to Initial Drilling Assessment)

13 Holes @ 200 ft average depth	
650 hours drilling	
10 hrs/day	65 days
Mobilization	25 days
Contingency	10 days
<u>Total</u>	<u>100 days</u>