

PROVINCE OF BRITISH COLUMBIA
MINISTRY OF ENERGY, MINES AND NATURAL GAS

QUARRY PERMIT
APPROVING WORK SYSTEM AND RECLAMATION PROGRAM
(Issued pursuant to Section 10 of the **Mines Act** R.S.B.C. 1996, C.293)

Permit: **Q-7-078** (originally G-7-123)

Mine No.: **0700392**

Issued to: **426969 B.C. Ltd.**
13361 Stave Lake Road
Mission B.C. V2V 4J1

for work located at the following property: **Stave Lake Quarry (Mission area)**

Located at: Rem. S. 1/2 of N.E. 1/4, Sec. 26, TP.18, Except PCL. A (Ref. Plan 7491)
And part subdivided by Pl. 18606, PCL. 1, 2, 3, N.W.D.

Address: 13361 Stave Lake Road

This approval and permit is subject to the appended conditions.

Amended this 4th day of September in the year 2018



Maryann Bouffard,
Inspector of Mines

Amendments

Feb 18, 1993

Notice of Work submitted by 424969 B.C. Ltd.

Permit G-7-123

June 28, 1993

Permit Approved for G-7-123.

June 7, 2001

Notice of Work submitted by 424969 B.C. Ltd. Updated NOW

March 8, 2002

Berm along Browns Property line.

August 1, 2002

Permit Amendment G-7-123 and letter, Phase B and Security increase.

August 29, 2002

Permit Amendment G-7-123 Property Stave Lake Quarry (Mission Area) Letter approval to crush 8,000 metric tonnes for road topping.

September 3, 2002

Permit Amendment Approved for G-7-123 Drilling, blasting and crushing of maximum 8,000 metric tonnes. Replaces letter August 29, 2002

October 21, 2002

Permit Amendment Letter response.

December 5, 2002

Permit Amendment Letter requiring a Hydrological/Hydrogeological study and Acoustic Study.

December 12, 2002

Permit Amendment Letter Schedule C Blasting and better equipment.

April 23, 2003

Permit Amendment Letter removal of existing rock approved. No drilling, blasting crushing or screening.

Permit Q-7-78

September 17, 2003

New Permit Approved for Q-7-78 from G-7-123

February 7, 2006

Permit Amendment Approved for Q-7-78 Conveyor Installation Authorization

April 25, 2008

Permit Amendment to Complete Installation of Conveyor Belt.

March 26, 2012

Permit Amendment Q-7-78 Increase in Tonnage

April 15, 2013

Permit Consolidation of all Permit Conditions

Sept 4, 2018

Permit Amendment – name change back to correct permittee; 426969 BC Ltd.

PREAMBLE

A Notice of Intention to commence work on a Sand and Gravel Pit and Quarry, including a plan of the proposed work system and a program for the protection and reclamation of the surface of the land and watercourses affected by the work dated **February 18, 1993** was filed with the District Inspector on **February 22, 1993**. Notice of such filing was published in the **Fraser Valley Record** on **March 17, 1993** and in the **BC Gazette March 18, 1993**.

This Permit amendment contains terms and conditions of all previous permits and amendments identified on page 2 and are consolidated into one document.

Decisions made by staff of the Ministry of Energy, Mines and Natural Gas will be made in consultation with other ministries. This application was supported by the following additional documents and reports.

An application to amend permit G-7-123, including a plan of the proposed work system and a program for the protection and reclamation of the surface of the land and watercourses affected by the work dated June 7, 2001 was filed with the Inspector on August 27, 2002. This application was supported by the following additional documents and reports.

- Hydrological Impact Evaluation Concerning the Relocation of the Quarry at 13361. Permit Sept 17, 2003.
- Pacific Hydrology Consultants Limited Stave Lake Road in Mission BC; Ann Badry, March 5, 2003. Permit Sept 17, 2003.
- Nelson Lang, Welder Engineering, Storm Water Management and Erosion Control Report, February 6, 2003. Permit Sept 17, 2003.
- Clair Wakefield, Stave Lake Road Quarry, Mission BC, Community Impact Assessment, February 3, 2003. Permit Sept 17, 2003.
- Eric Beresford P. Eng., Mine Plan Stave Lake Quarry Letter Report and Maps outlining Mine plan. October 15, 2002. Permit Sept 17, 2003.
- Ministry of Environment, Lands and Parks Water Management. April 5, 1995 Site Inspection, Stave Lake Road Quarry (Access Road & Control Pond) Mike Willcox., April 28, 1995.
- Proposed construction of redesigned sediment control facilities at the Stave Lake Road Quarry and re-establishment of watercourse buffer. Ministry of Environment Brian Clarke Sept 18, 1995.
- Terrasol Environmental Industries., Stave Lake Quarries Environmental Monitoring Perimeter Control System Sediment Pond Inlet Ditch Marino Creek System Letter., November 15, 1995.
- Piteau Associates., Review Comments relating to Groundwater Supplies and Hydrological Impacts Judicial Procedures Review Related to issuance of a Permit for a Sand Gravel/Quarry Operation 13361 Stave Lake Road. September 1994.

- Pacific Hydrology Consultants. Hydrogeological Impact Evaluation of Stave Lake Quarry at 13361 Stave Lake Road in Mission, BC Report. Ltd June 21, 1994. 12pp
- Golders & Associates., Stave Lake Road Quarry, Mission BC, Draft Work Plan for Hydrogeological Study of 13361 Stave Lake Road Proposed Quarry. November 18, 1993. 6pp.
- Ministry of Environment, Lands and Parks Water Management. Approval David Glen Avery 13361 Stave Lake Road Mission BC V2V 4J1 Changes to Legace Creek Culvert Work File # A2004171 Approval 2004171 Drawing 292-034 Lang Engineering (1988) Ltd. August 13, 1993.
- SRK Robinson Inc., Recommendations for a Production Blast Design, Stave Lake Road property, Mission BC Letter report Prepared for West Coast Aggregates Ltd. 14pp. July 2, 1993.
- Environment letter of June 16, 1993.
- British Columbia Agriculture Land Commission., Application #02-K-25763 Resolution #32/92 Certificate of Order of the Provincial Agriculture Land Commission (S 1/2, of the NE ¼, Sec 26, and Twp 18 N.W.D Stave Lake property) is excluded from Agricultural Land Reserve Plan Letter. January 27, 1992.
- Golders & Associates., Preliminary Geotechnical Site Appraisal; Potential for Rock Quarry Development 13361 Stave Lake Road Mission BC. August 18, 1992.
- Pacific Hydrology Consultants Ltd., Hydrogeological Conditions in regard to groundwater supply potential for Proposed Seven-Lot Rural Subdivision at 13361 Stave Lake Road Report. July 26, 1991.
- Piteau & Associates., Slope Instability at 126699 Stave Lake Road Property. Letter report to Mr. P. Conroy, 5pp January 1984.

This permit amendment contains the requirements of the Ministry of Energy, Mines and Natural Gas for reclamation. It is also compatible, to the extent possible, with the requirements of other provincial ministries for reclamation issues. The amount of security required by this permit, and the manner in which this security may be applied, will also reflect the requirements of those ministries. Nothing in this permit, however, limits the authority of other provincial ministries to set other conditions, or to act independently, under their respective permits and legislation. RE: Permit Sept 17, 2003.

CONDITIONS

All other terms and conditions under Permit Q-7-78 formerly G-7-123 remains unchanged, unless specifically modified by this permit amendment all other conditions remain in force.

The Chief Inspector of Mines (Chief Inspector) hereby approves the work plan and the program for protection and reclamation of the land surface and watercourses subject to compliance with the following conditions:

1. Reclamation Security

- (a) The owner, agent or manager (herein called the Permittee) shall maintain with the Ministry of Finance securities in the amount of **forty-five thousand dollars (\$45,000)**. The security will be held by the Ministry of Finance for the proper performance of the approved program and all the conditions of this permit in a manner satisfactory to the Chief Inspector. RE: Permit Sept 17, 2003.

2. Authorizations from Other Agencies

- (a) The Permittee is responsible for obtaining all permits and authorizations as required under other legislations. No trees shall be removed without prior approval or License to cut from the Ministry of Forests, Lands and Natural Resources Operations. The Permittee is responsible for obtaining all necessary road use permits.
- (b) The Permittee shall conform to all forest tenure requirements and Wildfire Regulations of the Ministry of Forests, Lands and Natural Resources Operations. Should the Permittee not conform to these requirements then all or part of the security may be used to cover the costs of these requirements. RE: Permit Sept 17, 2003.
- (c) All work shall be suspended during any forest closures relating to extreme fire hazard conditions as determined by the Ministry of Forests, Lands and Natural Resources. Firefighting equipment shall be maintained on the site in accordance with the Forest Fire Prevention and Suppression Regulation. RE: Permit April 15, 2013.
- (d) The Permittee shall conform to all Ministry of Environment approval, license and permit conditions, as well as requirements under the **Wildlife Act**. Should the Permittee not conform to these conditions, then all or part of the security may be used to fulfill these requirements. RE: Permit Sept 17, 2003.

3. Land Use

The surface of the land and watercourses shall be reclaimed to allow the following land use: **R1 residential** RE: Permit Sept 17, 2003

4. Productivity

The level of land productivity to be achieved on reclaimed areas shall not be less than existed prior to mining on an average property basis unless the Permittee can provide evidence which demonstrates, to the satisfaction of the Chief Inspector, the impracticality of doing so. RE: Permit Sept 17, 2003

5. Revegetation

Land shall be revegetated to a self-sustaining state using appropriate plant species. RE: Permit Sept 17, 2003.

6. Use of Suitable Growth Medium

(a) On all lands to be revegetated, the growth medium shall satisfy land use, Productivity and water quality objectives. Topsoil and overburden (to rooting depth) shall be removed from operational areas prior to any disturbance of the land and stockpiled separately on the property for use in reclamation programs, unless the Permittee can provide evidence which demonstrates, to the satisfaction of the Chief Inspector, that reclamation objectives can otherwise be achieved. RE: Permit Sept 17, 2003.

(b) No topsoil shall be removed from the property without the specific written permission of the Inspector. RE: Permit Sept 17, 2003.

7. Buffer Zones and Berms

(a) Buffer zones and/or berms shall be established between the mine and the property boundary unless exempted in writing by the District Inspector. Permit June 28, 1993.

(b) A revised site plan for the settling ponds and the buffer berm shall be approved by the Inspector. RE: Additional Condition Permit June 28, 1993.

(c) There is to be no disturbance whatsoever below the high-water mark of the wetland. RE: Environment Letter Sept 18, 1995.

(d) The surface of the filled in (tailings) pond is to be covered with top soil and this area is to be covered with top soil and this area and all other disturbed areas within the buffer are to be immediately reseeded with an erosion control mixture. RE: Environment Letter Sept 18, 1995.

- (e) The buffer area must be subsequently be revegetated to native species of trees and shrubs as per BC environment's planting criteria. A qualified environmental consultant must be retained to design and supervise the planting plans. RE: Environment Letter Sept 18, 1995.

8. Treatment of Structures and Equipment

Prior to abandonment, and unless the Chief Inspector has made a ruling otherwise, such as heritage project consideration or industrial use,

- (a) all machinery, equipment and building superstructures shall be removed, RE: Permit Sept 17, 2003.
- (b) concrete foundations shall be covered and revegetated unless, because of demonstrated impracticality, they have been exempted by the Inspector, and RE: Permit Sept 17, 2003.
- (c) all scrap material shall be disposed of in a manner acceptable to the Inspector. RE: Permit Sept 17, 2003.

9. Watercourses

Watercourses shall be reclaimed to a condition that ensures;

- (a) Long-term water quality is maintained to a standard acceptable to the Chief Inspector. RE: Permit June 28, 1993.
- (b) Drainage is restored either to original watercourses or to new watercourses which will sustain themselves without maintenance, and
- (c) Use and productivity objectives are achieved and the level of productivity shall not be less than existing prior to mining unless the Permittee can provide evidence which demonstrates, to the satisfaction of the Chief Inspector, the impracticality of doing so. RE: Permit June 28, 1993.
- (d) Water which flows from disturbed areas shall be collected and diverted into settling ponds. RE: Permit June 28, 1993
- (e) Watercourses require a 30 meter leavestrips on each side with in industrial developments. Any disturbance within the 30 meter leavestrips by previous quarry related activities must be stabilized and protected from erosion and the leavestrips

must remain in an undisturbed state through the development process. The required leavestrips should be incorporated into an amended site plan; a copy should be submitted to this office shall be submitted to a mines Inspector.

- (f) Erosion shall be minimized and controlled at the source eliminating negative impacts to the environment. RE: Permit April 15, 2013.
- (g) A water management and pond system shall be constructed to prevent siltation entering any water course or creek. Pond discharge shall not exceed 25 mg/litre of total suspended solids. Ponds shall be designed to withstand a 200 year flood event. RE: Permit April 15, 2013.

10. Hydrology and Water Control

- (a) A program of baseline sampling of surface waters at sites on and near Marion Creek, where quarry drainage might emanate, shall be implemented. RE: Permit Sept 17, 2003.
- (b) Regular checking of monitoring wells in the vicinity of the quarry to monitor water levels, and contamination that may result from blasting. RE: Permit Sept 17, 2003.
- (c) Regular sampling of the well at residence on site, which taps the deep aquifer. RE: Permit Sept 17, 2003.
- (d) Investigations by a qualified hydrologist shall be carried out on any reports of well or spring problems within a one kilometer (1 km) radius of the center of the quarry, and where it is deemed a risk exists. RE: Permit Sept 17, 2003.
- (e) Water samples shall be analyzed for the following:
 - * PH
 - * Total Suspended Solids (TSS)
 - * Total Dissolved Solids (TDS)
 - * Alkalinity
 - * Nitrates
 - * Sulphates
 - * Phosphates
 - * Hardness
 - * Total and dissolved metals
 - * Hydrocarbons

- (f) The recommendations of the Wedler Engineering report "Storm Water Management and Erosion Control", dated February 6, 2003 shall be implemented. RE: Permit Sept 17, 2003.
- (g) The operator shall immediately cease mining activity if monitoring indicates a change in excess of 10 percent of baseline parameters. Mining activity shall not resume until a full study has been conducted by a qualified hydrologist. RE: Permit Sept 17, 2003.
- (h) A hydrology study of the site, which addresses the concerns of the local residents and the BC Environment as outlined in their letter of March 11, 1993, shall be completed and the results submitted for review and approval by the Inspector prior to mining of material on site. Additional Conditions Permit June 28, 1993.
- (i) An undisturbed leave strip of 30 meters width on each side of the water course. RE: July 19, 1994.

11. Dust Control

The manager shall implement such measures as may be necessary to mitigate fugitive dust. Such measures may include, but are not limited to: Permit Sept 17, 2003

- (a) The use of water sprays or atomizers at all conveyor transfer points, crushers and screens. RE: Permit Sept 17, 2003
- (b) Haul roads, stockpiles, and high traffic areas shall be watered with sprinkler systems, and or water trucks. RE: Permit Sept 17, 2003
- (c) The manager shall maintain records of all public complaints received in reference to fugitive dust. RE: Permit Sept 17, 2003

12. Roads

- (a) All roads shall be reclaimed in accordance with land use objectives unless permanent access is required to be maintained. RE: Permit Sept 17, 2003
- (b) Individual roads can be exempted from the requirement for total reclamation under Condition 4(a) if either:
 - i. The Permittee can demonstrate that the agency of the crown has explicitly accepted responsibility for the operation, maintenance and ultimate deactivation and a abandonment of the road, or

- ii. The Permittee can demonstrate that another private party has explicitly agreed to accept responsibility for the operation, maintenance and ultimate deactivation and abandonment of the road and has, in this regard, agreed to comply with all the terms and conditions, including bonding provisions, of this reclamation permit, and to comply with all relevant provincial government and federal government regulatory requirements. Permit June 28, 1993.

13. Disposal of Fuels and Toxic Chemicals

Fuels, chemicals or reagents which cannot be returned to the manufacturer/supplier are to be disposed of as directed by the Chief Inspector in compliance with municipal, regional, provincial and federal statutes. RE: Permit June 28, 1993

14. Fuels and Lubricants

Fuels and Lubricants, if stored on the mine site, shall conform to the requirements of the **Field Guide to Fuel Handling, Transportation, and Storage**.

The Permittee shall develop and implement a hydrocarbon management plan that deals with fueling, operational servicing, spill prevention and clean-up for fuels and lubricants stored on the mine site. The plan shall account for the following:

- (a) Fuel and lubricants shall be delivered to site as needed to re-supply fuel and oil tanks on mobile and fixed equipment.
- (b) Impermeable, oil absorbent matting shall be used when refueling and servicing equipment.
- (c) While refueling the operator shall be in control of the refueling nozzle at all times.
- (d) If any Petroleum, hydrocarbon or other product (no matter how small) is spilled the contaminated soil/gravels shall be forthwith collected and removed for appropriate disposal.
- (e) Fuel or oil leaks on equipment shall be effectively repaired as soon as they are discovered or the equipment shall be removed from the site and not operated until repairs have been made.
- (f) An emergency spill containment and clean up kit shall be maintained at the site while it is in operation. The kit shall have the capacity to contain and clean up 100% of a spill from a failure of the largest volume of a fuel or lubricant tank or system plus 10%. Permit April 15, 2013.
- (g) Any spill reportable under the *Transportation of Dangerous Goods Act* (TDG) shall be reported without delay to the Inspector. RE: Permit April 15, 2013.

- (h) Any oil or fuel spills shall be cleaned up immediately and disposed of in an appropriate manner. Absorbent pads shall be maintained on-site during the course of operations. Stationary engines shall be provided with appropriate design drip pans. RE: Permit April 15, 2013.

15. Archaeological Find

An Archaeological Chance Find Procedure (ACFP) for this site shall be developed within 3 months of the date of this permit:

- (a) A copy of the procedure shall be posted at the Mine Site, and all workmen shall be trained in the implementation of this procedure.
- (b) A copy of this procedure shall be filed with the Inspector. Permit April 15, 2013.

In the event that an archaeological site is encountered during the course of the approved mining activities, the program shall be suspended or modified in such a manner so as to ensure that the site is not damaged, desecrated or otherwise altered and the occurrence shall be reported immediately to the Archaeological Branch of the Ministry Forest, Lands & Natural Resource and, the Ministry of Energy & Mines (Inspector of Mines). Work shall not be resumed until authorized by the joint Ministries. Permit April 15, 2013.

16. Training and Orientation

The manager shall maintain a record of all training workers and supervisors have received, and make this record available to an inspector upon request.

17. Site Access

The Mine Manager, or in their absence a Designate, shall allow Employees of other Provincial Ministries holding authorizations related to Compliance and Enforcement duties onto the mine site subject to the following conditions:

- (a) the Provincial Employee must present the appropriate Ministry identification; and
- (b) must clearly state that they are acting on behalf of an Inspector of Mines;
- (c) they must be given a site orientation as required by the Health & Safety, and Reclamation Code;
- (d) they must sign-in and sign-out as acknowledgement of being on site;
- (e) they must be accompanied at all times by the Mine Manager, or qualified person appointed by the Manager, and shall take all necessary measures to ensure the

safety and well being of the individual(s); and this condition is not applicable to other Provincial Legislation. RE: RE: Amendment March 26, 2012

18. Site Security

All site access shall be secured with locking gates and signage provided indicating the mine name, operator' s name and emergency contact number as well as all appropriate safety advisories. Gates shall be locked when the quarry is not in operation. RE: PERMIT April 15, 2013 and Permit Sept 17, 2003.

19. Site Stability

- (a) The inspector shall be advised in writing at the earliest opportunity of any unforeseen conditions that could adversely affect the extraction of materials, site stability, erosion control or the reclamation of the site.
- (b) The stability of the slopes shall be maintained at all times and erosion shall be controlled at all times.
- (c) The discovery of any significant subsurface flows of water, seeps, substantial amounts of fine textured, soils, silts and clays, shall be reported to the inspector as soon as possible and work shall cease until the inspector advises otherwise. RE: PERMIT April 15, 2013.

20. Temporary Shutdown

If this quarry ceases operation for a period longer than one year, the Permittee shall either continue to carry out the conditions of the permit or apply for an amendment setting out a revised program for approval by the Chief Inspector. RE: Permit Sept 17, 2003.

21. Safety Provisions

All safety and other provisions of the **Mines Act** shall be complied with to the satisfaction of the Chief Inspector. RE: Permit Sept 17, 2003.

22. Monitoring

The Permittee shall undertake monitoring Programs, as required by the Chief Inspector, to determine that the reclamation objectives are being achieved. RE: Permit June 28, 1993.

23. Alterations to the Program

Substantial changes to the program must be submitted to the Inspector for approval. RE: Permit Sept 17, 2003.

24. Notice of Closure

Pursuant to Part 10.6.1 of the Code, a Notice of Completion of Work shall be filed with the Inspector not less than seven days prior to cessation of work. RE: Permit April 15, 2013. RE: Permit June 28, 1993.

25. Annual Report

(a) The Permittee shall submit an Annual Report by March 31st which contains the information required by the Chief Inspector. RE: Permit Sept 17, 2003.

For reclamation purposes, ensure that photos are taken of the work areas prior to commencing work, during operations and following completed reclamation. These photos are to be submitted to this office with your completed Annual Summary.

(b) The Mine Manager shall forward to the Inspector each year a copy of the submitted Health and Safety Assessment form. Permit April 15, 2013.

Site Specific Conditions

26. The annual production shall not exceed 375,000 tonnes. RE: Amendment March 26, 2012.

27. Hours of work are limited to: Permit Sept 17, 2003

(a) Monday to Friday 7 am to 5 pm.

(b) Saturday 8 am to 5 pm.

(c) Crushing and screening shall be limited to the hours of 8 am to 5 pm Monday to Friday inclusive.

(d) No work shall be permitted on Sundays or Statutory Holidays.

28. Environmental Emergency

Notwithstanding the hours of work provisions of Permit Q-7-78, the Permittee is authorized to conduct work outside of this provision should:

- (a) An agency having jurisdiction declare an emergency and the product from this site is required to mitigate an emergency.
- (b) A safety concern on site is such that a failure to complete necessary work can result in harm or risk to workers or members of the public.
- (c) If an environmental incident on site has occurred and a failure to address or mitigate the incident can result in harm to the receiving environment. RE: Permit April 15, 2013.

29. Blasting

All blasting shall be conducted in accordance with the terms of the outline of proposed blasting practices as submitted by the company, including the SRK-Robinson Inc. Consulting Engineers report dated July 2, 1993 and the update provided by Derek Holmes and Western Explosives.

- (a) The peak particle velocity at the property boundary shall not exceed 50 mm/sec. RE: Permit Sept 17, 2003.
- (b) Air blast (concussion) shall not exceed 120 Dbl. RE: Permit Sept 17, 2003.
- (c) The manager shall establish a monitoring program for all blasts conducted, and records, including a blast log, shall be maintained on site. RE: Permit Sept 17, 2003.
- (d) Suitable notification shall be given to all residents within 1 km of the quarry at least 24 hours prior to the initiation of any quarry blast. RE: Permit Sept 17, 2003.
- (e) Blasts shall be conducted in such a manner that the blast "Danger Zone" remains within the quarry boundaries. RE: Permit Sept 17, 2003.
- (g) All blasts shall be scheduled and designed to minimize effects on nearby residences. RE: Permit Sept 17, 2003.
- (h) As maybe required a drilling and blasting plan with a report by a mining consultant shall be submitted and approved by the Inspector prior to any blast taking place. The report shall demonstrate how the effects of ground vibration and air blast on the surrounding area, and hydrology shall be minimized. RE: Additional Condition Permit June 28, 1993.

- (i) Requirement for the use of water-gel rather than nitrate based explosives to protect water supply. RE: Permit Amendment August 1, 2002.
- (j) Explosive handling and use shall be conducted in a manner which minimizes the opportunity for water gel /nitrate and blasting residue to enter the groundwater system, site runoff and adjacent water courses. Blasthole liners shall be used whenever wet conditions are encountered including both rainfall and ground water.
- (k) The work system and pit layout shall be as per Lang Engineering (1988) Ltd. plans of February 15, 1993 RE: Permit June 28, 1993.

30. Noise Control

The following conditions shall be instituted and maintained during the life of the quarry.

- (a) All equipment shall be maintained in good operating condition, and where applicable, shall be equipped with adequate mufflers. RE: Permit Sept 17, 2003.
- (b) An on-site crusher for rock reduction shall be provided with sound reducing measures to minimize noise levels to residents in the area. RE: Additional Conditions Permit June 28, 1993.
- (c) Truck tailgates shall be secured when traveling. RE: Permit Sept 17, 2003.
- (d) Audible back-up alarms on all equipment shall be replaced with visual (strobe) alarms. RE: Permit Sept 17, 2003.
- (e) Truck speeds on the quarry shall be set to minimize or eliminate the use of engine brakes. RE: Permit Sept 17, 2003.
- (f) Tree and vegetation screens must be maintained between the quarry and local residences where practical. RE: Permit Sept 17, 2003.
- (g) A 10 to 20 meter elevation difference must be maintained between the Eastern Pit Rim and the floor of the Pit. RE: Permit Sept 17, 2003.
- (h) The Eastern Pit Rim is not to be excavated until the Quarry is well established below this level. RE: Permit Sept 17, 2003.

- i. The manager shall conduct such monitoring as may be required to ensure noise levels at the property boundaries do not exceed 55 dBA on a three minute Leq. RE: Permit Sept 17, 2003.
 - ii. Pneumatic drills shall not be used on this site. RE: Permit Sept 17, 2003. Down the hole pneumatic drills are authorized. December 20, 2012.
 - iii. The manager shall locate dominate noise sources as low in the pit as possible. RE: Permit Sept 17, 2003.
 - iv. The eastern pit rim shall not be day lighted. RE: Permit Sept 17, 2003.
31. Tree Vegetation buffer shall be maintained along the property boundaries as shown. RE: Permit June 28, 1993.
32. Water management and pond system shall be constructed to prevent siltation entering any water course or creek. Pond discharge shall not exceed 75 ppm above background and applicant shall apply to the BC Ministry of Environment for a Waste Discharge Permit. RE: Permit June 28, 1993.
33. Temporary overburden and topsoil piles shall be graded and seeded to prevent erosion and control dust. RE: Permit June 28, 1993.
34. Excavations shall be kept above the ground water level for protection of surrounding residential wells. Gravel and rock removal shall not go below the 110 meter elevation without prior approval by the District Inspector and submission of a Hydrogeological Report on the groundwater wells in the Area. RE: Permit June 28, 1993.
35. The permit authorizes the extraction of Pit run material, crushing and screening. RE: Permit June 28, 1993.
36. Conveyor Installation and Operation

Authorization to Install and operate Conveyor system is granted, subject to the following:

- (a) All belt tension towers shall be secured to the fence to prevent inadvertent access. RE: Permit April 25, 2008.
- (b) All ladder-ways and access to transfer point and conveyor pulleys that will not be guarded shall be locked out while the conveyor is in operation and no persons shall be permitted at unguarded locations while the belt is under power and in motion. RE: Permit April 25, 2008.

- (c) The conveyor system shall be shut down and locked out before personnel shall be permitted access the conveyor ways. RE: Permit April 25, 2008.
- (d) The mine manager shall develop safe work procedures and lockout procedures pursuant Health, Safety and Reclamation Code for Mines in BC (Code). RE: Permit April 25, 2008.
- (e) The mine manager shall develop a training program for workers in the application of the safe work procedures and maintenance of the conveyor, ensure that workers are trained and maintain records of the training for the life of the mine. RE: Permit April 25, 2008.

37. Re-Conveyor Installation and Operation

- (a) Prior to beginning the construction of sections of the conveyor which may be visible from the road and nearby residences, the manager shall consult or otherwise inform the local residents of plans to operate the conveyor. The Mine manager shall advise the Inspector of Mines of the results of the public consultation in writing prior to receiving authorization to complete the installation.
- (b) The Mine manager shall ensure that the system in its entirety will meet or exceed the standards set out in the Code.
- (c) Unless modified by this amendment, all existing permit conditions remain in force.
- (d) The requirement of the existing permit Q-7-78 (originally G-7-123) to hold public information meetings prior to completing the installation and operation of the conveyor system having been met, you are authorized to complete the installation of the conveyor system subject to the following conditions: RE: Permit September 17, 2003.
- (e) Work shall be scheduled such that under no circumstances will work on the conveyor be undertaken or required to be completed outside of the hours of work provisions of this permit. RE: Permit September 17, 2003.
- (f) Prior to commencing work on the completion of the conveyor installation:
 - i. A safe work procedure for all work shall be developed and a copy of the procedures shall be filed with the Senior Inspector of Mines SW Region. The Managers safe work procedures shall be communicated to all workmen assigned to the installation, or who may be affected by the work. Confirmation of this communication shall be attached to the procedures

filed with the Senior Inspector as noted above. RE: Permit September 17, 2003.

- ii. Only workmen who have been trained in the safe work procedure, and are deemed competent by the Manager shall be engaged to work on this installation.
 - iii. Records of competency shall be maintained at the Mine (site) office and made available to an inspector on request. RE: Permit September 17, 2003.
 - iv. Upon completion of the installation, the manager shall advise the Senior Inspector of Mines for the Southwest Region, and he shall have the installation inspected by an Inspector of Mines, or Inspectors of Mines, and a report of the inspection shall be reviewed by the Chief Inspector of Mines.
- (g) The Mine manager will keep a copy of the conveyor maintenance schedule, to be made available upon request by the Inspector. RE: Permit September 17, 2003.
- (h) Prior to re-commissioning of the Conveyor, the Mine Manager shall receive written authorization from the Senior Inspector and such authorization may contain conditions the Inspector deems necessary.
- (i) This amendment does not authorize operation of the conveyor; however, start up for purposes of testing is permitting. Rock products from the quarry to a maximum of 1000 tons maybe conveyed for purposes of testing. RE Permit Sept 17, 2003.
38. All persons who are carrying out activities under this permit comply with all terms and conditions and are familiar with the approved work program. You are required to maintain a legible copy of this permit, including the Notice of Work, at the mining property, and ensure it is available to authorized inspectors and other authorized government officials.
39. All activities on the mine site shall conform to the terms and conditions listed in:
The Health, Safety and Reclamation Code for Mines in British Columbia, and the Mines Act.