

From: Lain, Scott TRAN:EX []
To: Kneale, Tom TRAN:EX [Tom.Kneale@gov.bc.ca]
Subject: FW: Joe Rich Quarry - EBA Report Appendices 2 of 2 emails
Date: Thursday, June 10, 2021 08:56:29
Attachment 1: 02_Rpt-Figures.pdf
Attachment 2: 03_Appendix-A_Geotech-Hazard-Assmt.pdf
Attachment 3: 03a_Hazard-Assmt-part2.pdf
Attachment 4: 04_AppendixB-Figures-Boreholes.pdf
Attachment 5: 05_AppendixC-aggregate.pdf
Attachment 6: 06_Appendix-D_Stability-Assmt-Figures.pdf
Attachment 7: image002.jpg

FYI – Report done for Black Mountain Irrigation

From: Robert Hrasko <rhasko@bmid.ca>
Sent: June 9, 2021 1:33 PM
To: Lachmuth, Erik TRAN:EX <Erik.Lachmuth@gov.bc.ca>
Cc: Lain, Scott TRAN:EX <Scott.Lain@gov.bc.ca>
Subject: Joe Rich Quarry - EBA Report Appendices 2 of 2 emails

[EXTERNAL] This email came from an external source. Only open attachments or links that you are expecting from a known sender.

Erik

Please find attached the appendices for the EBA report

Thanks

Bob

Bob Hrasko, P.Eng.

Administrator

Phone (250) 765-5169
Cell/Text (250) 212-3266

Email rhrasko@bmid.ca

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Figure No. 2
Terrain Stability Analysis of Aerial Photograph
Flight Line 30BCC93061
Photo No. 135

Page 022 of 258 to/à Page 048 of 258

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From: Lain, Scott TRAN:EX []
To: Lachmuth, Erik TRAN:EX [Erik.Lachmuth@gov.bc.ca]
Subject: Fwd: Proposed Gravel Pit
Date: Monday, June 21, 2021 12:54:39

FYI - This is where we are at.

Scott Lain
Ministry of Transportation & Infrastructure
Area Manager - Roads
Kelowna

Begin forwarded message:

From: "Kneale, Tom TRAN:EX" <Tom.Kneale@gov.bc.ca>
Date: June 21, 2021 at 12:16:39 PM PDT
To: "Lain, Scott TRAN:EX" <Scott.Lain@gov.bc.ca>, "Mitchell, Allan J TRAN:EX" <Al.Mitchell@gov.bc.ca>
Subject: RE: Proposed Gravel Pit

Hi Al

Give me a shout if you would like to discuss further. I have a report conducted in 2000 by EBA (now TetraTech) on a geohazard assessment along the Hwy 33 corridor in that area. Ill be looking at that report and what is being proposed to see if we have any stability concerns with the gravel pit operations.

Tom

Tom Kneale, P.Eng.
Manager, Geohazards and Slope Stability Group
Ministry of Transportation and Infrastructure - Southern Interior Region
Geotechnical and Materials Engineering

447 Columbia Street Kamloops
Phone:778 362-4508 Cell:250-319-5291

From: Lain, Scott TRAN:EX <Scott.Lain@gov.bc.ca>
Sent: June 21, 2021 11:54 AM
To: Mitchell, Allan J TRAN:EX <Al.Mitchell@gov.bc.ca>
Cc: Kneale, Tom TRAN:EX <Tom.Kneale@gov.bc.ca>
Subject: Proposed Gravel Pit

Hi Alan,

As you may know there is a proposal for a new gravel pit off of Hwy 33. I have discussed this with Tom Kneale as well and we just want to make sure we are looking at any potential impacts to our highway system. Could you have a look and let me know if you have any concerns?

Thanks

Scott Lain

Kelowna Area Manager - Roads

Ministry of Transportation and Infrastructure

Office 250-712-3668

Cell 250-212-4896

From: Michael Laws [Michael.Laws@ecora.ca]
To: Joel Desaulniers [joel@stitesco.ca]; Melan, Dustin TRAN:EX [Dustin.Melan@gov.bc.ca]; Kneale, Tom TRAN:EX [Tom.Kneale@gov.bc.ca]; Christine Kroad [christine@stitesco.ca]; Unwin, Lyle TRAN:EX [Lyle.Unwin@gov.bc.ca]; Hedderson, Brian TRAN:EX [Brian.Hedderson@gov.bc.ca]; Sirett, Joanna TRAN:EX [Joanna.Sirett@gov.bc.ca]; Lain, Scott TRAN:EX [Scott.Lain@gov.bc.ca]; Freeman, Lindsey TRAN:EX [Lindsey.Freeman@gov.bc.ca]
Subject: HWY33 - 8 Mile Bend
Date: Wednesday, June 02, 2021 15:28:44
Attachment 1: image001.png
Attachment 2: Westridge_Quarries_application.pdf

[EXTERNAL] This email came from an external source. Only open attachments or links that you are expecting from a known sender.

Hi 8 Mile bend team.

Westridge Quarries has just lodged an application (attached) with MEMM to develop a gravel pit just to the east of Daves Road in close proximity to our project.

The local community has started expressing concerns about this and has started posting signs in the area.

Cheers

Mike

Michael J. Laws, P.Eng.

Director of Engineering

Senior Geotechnical & Dam Safety Engineer

p: 250.469.9757 Ext 1045 m: 250.470.8808

w: www.ecora.ca

WE ARE MOVING!

Please update your records

Effective April 12.21 our new Kelowna head office address will be

200 - 2045 Enterprise Way, Kelowna, BC V1Y 9T5

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Notice of Work

Joe Rich Quarry

Tracking Number: 100332743

Applicant Information

If approved, will the authorization be issued to an Individual or Company/Organization? Company/Organization
What is your relationship to the company/organization? Agent

APPLICANT COMPANY/ORGANIZATION CONTACT INFORMATION

Applicant is an Individual or an Organization to whom this authorization Permit / Tenure / Licence will be issued, if approved.

Name: Joe Rich Properties Ltd.
Doing Business As:
Phone: 250-546-8800
Fax: 250-546-6008
Email: trevor@westridgerock.com
BC Incorporation Number:
Extra Provincial Inc. No:
Society Number:
GST Registration Number:
Contact Name: Trevor Isaac
Mailing Address: 101 L & A Crossing Road
Vernon BC V1B 3S1

AGENT INFORMATION

Please enter the contact information of the Individual/Organization who is acting on behalf of the applicant.

Name: Richard Paul Adams
Phone: 250-319-3387
Daytime Phone:
Fax:
Email: flyfisher999@hotmail.com
Mailing Address: 48-1575 Springhill Drive
Kamloops BC V2E 2P9

Letter(s) Attached: Yes (JOE RICH QUARRY AUTHORIZATION OF AGENT.pdf)

TECHNICAL INFORMATION

APPLICATION INFORMATION

Type of Notice of Work: Quarry - Construction Aggregate
Is this a New Permit or an Amendment to an existing permit for this property? New Permit

MINE INFORMATION

Do you have an existing mine number? No
Name of the property: Joe Rich Quarry
Tenure Numbers:
Crown Grant / District Lot Numbers: Lot 1 Sections 10 11 14 and 15 Township 27 Osoyoos Division Yale District Plan 38841
Parcel ID: 008-801-266
Directions to site from nearest municipality: From Highway 97/Highway 33 junction, travel east on Highway 33 for 13.5 km, turn left onto Daves Road, go 30 m, and make an immediate right and follow the road for about 0.8 km to the mine site.

Geographic Coordinates of Mine: Latitude: 49.8590410 Longitude: -119.2665100
Maximum Annual Tonnage Extracted: 245000 tonnes

INFORMATION ABOUT PROPOSED ACTIVITIES

Activities to be undertaken: Access roads, trails, heli pads, air strips and boat ramps
Blasting
Camps, Bldgs, Staging Areas and/or Fuel / Lubricants Storage
Sand & Gravel / Quarry Operations
Settling Ponds
Water Supply

FIRST AID

Proposed First Aid equipment on site: Level 2 first aid kit, a stretcher and an epinephrine auto injector. Consistent and continuous communication capabilities.
Level of First Aid Certificate held by attendant: Occupational First Aid Level 1 with Transportation Endorsement

DESCRIPTION OF WORK PROGRAM

If you prefer to upload a document, please enter "see attached document" and attach the document in the "Document Upload" step later in the application under "Other".

Sufficient details of your work program to enable a good understanding of the types and scope of the activities that will be conducted:

Please see attached document: JOE RICH QUARRY 5 YEAR MINE PLAN.docx which was loaded into the application along with the maps.

TIME OF PROPOSED ACTIVITIES

Proposed start and end date: May 1, 2021 to Apr 30, 2026

Please remember that you need to give 10 days notice to the Inspector of Mines of your intention to start work, and 7 days notice of your intention to stop work.

ACCESS

Access presently gated: Yes

PRESENT STATE OF LAND

Please identify what the present state of the land is where you would like to undertake your activities. If some of the questions do not apply to you please enter n/a in the space provided.

Present condition of the land: Undeveloped land zoned Rural Acreage by the Regional District of Central Okanagan. Open forest and grassland with much of the property impacted by a recent forest fire.

Type of vegetation: The property is located within the Okanagan Very Dry Hot Interior Douglas Fir biogeoclimatic variant (IDFxh1) and comprises of mature dry Douglas-fir/ponderosa pine forest, burnt forest and grassland. Extensive invasive species are present in the open grassland areas and these noxious weeds have degraded the grazing and wildlife habitat capability of the site.

Physiography: Cliff and bedrock outcrops are interspersed with grasslands, burned forest and a mature conifer forest. The site is mostly south aspect with thin soils and shallow bedrock. An environmental overview assessment of the site on October 6, 2020 identified the potential for snake and bat habitat in the rock bluffs and cliffs located in the northern third of the property. That area was removed from the planned mine footprint. While mapping shows a stream traversing the property, Associated Environmental has confirmed there area no watercourses or streams located on the property when they conducted their environmental overview assessment on October 6, 2020.

Current means of access: Access is from Highway 33 east of Kelowna, then Daves Road to the north property boundary, and then an existing gravel road onto the property.

Old equipment: None.
Recreational trails / use: None

ACCESS TO TENURE

Do you need to build a road, create stream crossings or other surface disturbance that will not be on your tenure? Yes

Required access authorizations in place: No

Please note that you may require a Special Use Permit, a Road Use Permit, a Road Use Agreement, etc..

Type and authorization number: Approximately 75m of the length of the mine haul road is located outside of the property boundary, and is located on the unconstructed Daves Road allowance already dedicated by MOTI for site access to this property. There is an existing gravel road located there that will need to be upgraded to an 8.4 m wide mine haul road plus berm. We expect this will be authorized by MOTI under their Industrial Access Permit authorization process and will not require a Licence of Occupation from MFLNRO Lands.

LAND OWNERSHIP

Application area in a community watershed: No

Proposed activities on private land: Yes

Please note that under Section 19 of the Mineral Tenure Act and Section 2.1 of the Mineral Tenure Act Regulation you must not begin any mining activities until 8 days after giving notice to every owner of the surface area on which the recorded holder intends to carry out that activity.

Please attach a copy of the letter of authorization signed by the landowner. The document can be uploaded at the "Document Upload" step later in the application process.

Legal description of land: Lot 1 Sections 10 11 14 and 15 Township 27 Osoyoos Division Yale District
Plan 38841 Parcel ID: 008-801-266
No authorization letter is required as the applicant is the landowner. An Agent authorization has been provided.

Proposed activities on Crown land: No

Activities in a park: No

CULTURAL HERITAGE RESOURCES

Cultural Heritage applies to a large spectrum of heritage resources that is defined as "an object, a site or the location of a traditional societal practice that is of historical, cultural or archaeological significance to British Columbia, a community or an aboriginal people."

The Archaeology Branch of the Ministry of Forests, Land and Natural Resource Operations is responsible for the administration of the Heritage Conservation Act as it applies to archaeological sites. The Archaeology Branch has developed guidelines for companies engaged in natural resource extraction to aid in planning for and avoiding or managing impacts to protected archaeological sites.

Are you aware of any protected archaeological sites that may be affected by the proposed project? No

FIRST NATIONS ENGAGEMENT

In making decisions on authorizations, the government will be fulfilling its responsibility to consult, and where appropriate, accommodate First Nations. The government takes this responsibility seriously and encourages the applicant to engage First Nations early and often as part of any planned development.

Establishing good relations with First Nations who might be affected by a proposed development is a key part of any successful mining operation. The Ministry of Energy and Mines encourages applicants to engage and information share with First Nations that might be affected by a proposed development prior to submitting an application. The earlier in the life of a proposed activity that the avenues of communication are established the greater the likelihood that the relationships formed will be constructive and beneficial to all parties. A lack of information sharing and engagement by the applicant may result in extended timeframes for decision.

Applicants should keep a detailed record of information sharing and engagement with First Nations on their project in the event the government needs to review it. Information on First Nations information sharing and engagement should include the following: a list of First Nations contacted, whether the activity was modified based on feedback from First Nations, and whether the applicant has entered into any informal or formal agreements with First Nations in connection with the project.

The Consultative Areas Database Public Map Service is an online, interactive mapping tool that allows you to identify First Nations who have treaty rights or asserted or proven rights or title on the land base. More information can be found at <http://maps.gov.bc.ca/ess/sv/cadb/>.

Have you shared information and engaged with First Nations in the area of the proposed activity? Yes

Please tell us about your engagements in the field below or attach a your record of engagement by uploading it at the "Document Upload" step later in the application process. If you are attaching your record later, please enter in the text box "See record attached". Please ensure your record does not contain an individual's personal information such as contact information.

Describe your First Nations engagement activities:

The Joe Rich Quarry is located within the Westbank First Nation (WFN) Governance Area. The applicant (at that time Westridge Quarries Ltd.) initiated contact with WFN on 2020/10/13 prior to preparing or submitting their Mines Act permit application. WFN provided the applicant a copy of the WFN Crown Land Referrals Directive that same day. On 2020-10-21, the applicant made application to WFN providing information in accordance with their directive. WFN confirmed receipt of application on 2020-10-26 and advised the application would need to go to Chief and Council for review. On 2020-11-10, the applicant inquired whether WFN would require field archaeological work on the site, and WFN advised the application must first be reviewed at the 2020-11-30 Chief and Council meeting. On 2020-11-19, WFN provided the applicant an Archaeological Service Agreement and cost estimate for archaeological field work on the Joe Rich Quarry site. On 2020-11-20, the applicant provided the signed service agreement to WFN, and on 2020-11-23 WFN provided the counter-signed service agreement to the applicant. On 2020-11-25, WFN's archeologist traversed the 40 year mine footprint of the Joe Rich Quarry to conducted an Archaeology Preliminary Field Reconnaissance. The archaeologist communicated verbally to a representative of the applicant that there were no issues with the Joe Rich Quarry site. The applicant inquired with WFN on 2020-12-10 as to when they could expect the archaeologist's report. The applicant understands WFN was quite busy with late season field work just prior to winter snowfall setting in.

As a result of the engagement, are you aware of any cultural heritage resources in the area where the work is proposed?

No

BLASTING

MAPS

Please mark the location(s) of the proposed magazine(s) on the map. Unless this is an area based application also mark the proposed locations of the blast site(s) on the map. The maps will be uploaded at the document upload step later in the application process.

ACTIVITIES WHERE BLASTING WILL TAKE PLACE

Please select the activities to which blasting is related: Sand & Gravel / Quarry Operations

ON SITE STORAGE OF EXPLOSIVES

Are you proposing to store explosives on site? No
Describe how you will get the explosives to the site: Explosives will be trucked to site by the blasting contractor on an as needed basis only, and not stored on site.

ADDITIONAL INFORMATION

Only a person with a valid certificate granted under Section 8.2.1 of the Code is permitted to conduct a blasting operation.

CAMPS, BUILDINGS, STAGING AREAS AND FUEL / LUBRICANTS STORAGE

This section covers the construction of new camps and/or buildings as well as the storage of fuel/lubricants on the exploration/mine site.

The construction and operation of industrial camps (where more than five people will be accommodated) are regulated under the Health Act and its supporting regulations. Permits may be required for different aspects of camp operation. Contact the nearest Regional Health Authority to determine which requirements will apply to your camp.

You must also contact the BC Safety Authority and WorkSafe BC. For more information regarding Industrial Camp Regulation please see <http://www2.gov.bc.ca/gov/content/health/keeping-bc-healthy-safe/industrial-camps>.

If water for camp operations is withdrawn from either a surface water or groundwater source, a licence or an approval may be required under the Water Sustainability Act. For further information please contact FrontCounter BC.

MAPS

If known, mark the locations of camps, buildings and fuel storage on the maps, show the distance of activity from known streams, wetlands or lakes on the map.

You will upload the maps at the document upload step later in the application process.

If locations are not determined you must provide a location map with your start up notification at least 10 days prior to start-up. Camps, buildings and fuel storage must comply with riparian setbacks as set out in Section 9 of the Code and the guidance provided in the Handbook for Mineral & Coal Exploration.

CAMPS

Click on the "Add Camp" button to add a camp. If you have multiple camps please give each camp a distinctive name like Camp 1 which you can reference on the maps you submit with your application.

BUILDINGS

Click on the "Add Building" button to add a building. If you have multiple building please give each building a distinctive and descriptive name like "Shop" or "Storage 1" which you can reference on the maps and drawings you submit with your application. Please note that all buildings must adhere to the following Codes, BC Building Code, BC Fire Code and CSA Standard M421-00 "Use of Electricity in Mines in conjunction with the Canadian Electrical Code. All plans must be submitted at least 60 days prior to the proposed start of construction to the Inspector. The Inspector will advise if additional documents are required.

Name		Disturbed Area (ha)	Merchantable timber volume (m³)
Mobile scale shack and weigh scale		0.00	0.00
Purpose of the building:	Weigh outgoing trucks carrying product to ensure highway load limits are not exceeded.		
Structure and dimensions:	"Atco" type trailer and weigh scale with a temporary combined footprint in any location of approximately 10m x 20 m. Scale shack and weigh scale location may change as mine footprint expands. Scale shack and weigh scale disturbance area is include within the footprint of the mining area.		
Total:		0.00	0.00

STAGING AREA

Click on the "Add Staging Area" button to add a staging area. If you have multiple staging areas please give each staging area a distinctive and descriptive name like "Area 1" or "Area 2" which you can reference on the maps and drawings you submit with your application.

FUEL / LUBRICANT STORAGE

If you are planning to handle, transport or store fuel and/or lubricants you must adhere to B.C. Environmental standards as detailed in "Summary of Environmental Standards and Guidelines for Fuel Handling, Transportation and Storage".

Do you propose to store fuel / lubricants on site? No

RECLAMATION PROGRAM

Describe the proposed reclamation and timing for this specific activity:

No fuel will be stored onsite. Overnight fueling services will be used. Fueling will occur at the processing site. A spill kit will be maintained onsite. The mobile shack and weigh scale will be located within the footprint of the excavated mine area, and do not represent an additional disturbance area.

Estimated cost of reclamation activities described above:

\$0.00

ACCESS ROADS, TRAILS, HELI PADS, AIR STRIPS AND BOAT RAMPS

MAPS

Mark the locations of the proposed access roads and trails on the map. The maps will be uploaded at the document upload step later in the application.

ACTIVITIES

Click on the "Add Activity" button to add one or more activities. Select your activity out of the list and enter the length in km, the total disturbed area and total merchantable timber volume.

Activity	Length (km)	Disturbed Area (ha)	Merchantable timber volume (m³)
Existing Access Modification	0.78	0.78	0.00
Temporary Road - New	0.33	0.01	0.00
Total:	1.11	0.79	0.00

BRIDGES, CULVERTS AND CROSSINGS

Are you proposing any bridges, culverts and/or other river / stream crossings? No

RECLAMATION PROGRAM

Describe the proposed reclamation and timing for this specific activity:

Access involves a 10m wide (8.4m wide travel surface + 1.6m wide berm) mine haul road and split road, and a 6m wide upper north access road for pickup and rock drill access. The mine haul road is 554m long, with 75m located on the unconstructed Daves Road Allowance already dedicated by MOTI for site access to this property northwest of the property - on an existing gravel road which will require upgrading. The other 479m of mine haul road is located on the property. The split road is 221m long and the road is located completely on the property. The 40 year mine plan will later encompass all of the mine haul road and split road, other than the 75 m of mine haul road located off of the property. A portion of the split road is located on the benches that will not be reclaimed. The remainder of the split road is located on the 805m bench area of the 40 year mine plan which will be reclaimed. The mine haul

**Estimated cost of reclamation activities
described above:**

road will not be reclaimed as it will serve to access the residential properties once mining is completed. The 6m wide upper north access road is located on benches which will not be reclaimed.
\$0.00

ADDITIONAL INFORMATION

Please note that you may require a Special Use Permit under the Forest Practices Code of British Columbia Act or a Land Act tenure or other authorization under the legislation to use roads to access your tenure.

For further information please contact FrontCounter BC.

SAND & GRAVEL / QUARRY OPERATIONS

MAPS

All plans and sections must indicate the scale and orientation of the drawing and must include:

1) Plan View of Proposed Development illustrating:

- Property boundaries and set back of excavation from property boundary
- Watercourses and drainage (wet, dry or intermittent) on the property and within 150 metres of its boundaries
- All previous surface workings, the final boundaries of proposed excavation, and boundaries of excavation at the end of development described in the Notice of Work
- Access roads, including development roads within the pit and access to the public roads
- All proposed and existing stockpiles (topsoil, overburden, product etc.)
- All settling ponds (for both surface run off and process water) and source of process water
- Buildings and other facilities (fuel/lubricant storage, sanitary facilities, weigh scale, etc.)
- Sediment control structures and the location of any point discharges from the property
- Fencing, berms and/or vegetative buffers.

2) Cross and longitudinal sections of Proposed Development illustrating:

- The original land surface and, if applicable, the groundwater table elevation
- Typical configuration during mining, indicating angle of slope and, where applicable, bench locations
- Proposed configuration on completion of reclamation

3) A copy of the land title/crown land tenure map must be provided.

SOIL CONSERVATION

Average depth of overburden:	0.20 m
Average depth of topsoil:	0.10 m
Measures to stabilize soil overburden stockpiles and control noxious weeds:	Create linear berms of overburden and topsoil with slopes at angle of repose and seeded with an appropriate range seed mixture to minimize erosion and prevent establishment of noxious weeds.

LAND USE

Is the site within the Agricultural Land Reserve?	No
Does the local government have a Soil Removal Bylaw?	No
Official Community Plan for the site:	Joe Rich Rural Land Use Bylaw
Current land use zoning for the site:	Rural Acreage
Proposed end land use is:	Rural Acreage with Residential Dwellings as allowed under current zoning.
Estimate total minable reserves over the life of the mine:	11,432,816 tonnes
Estimate annual extraction from site:	245,000

Application must be made to the Environmental Assessment Office if estimated extraction for sand/gravel production is 500,000 tonnes/year or 1,000,000 tonnes over 4 years; or if estimated extraction is 250,000 tonnes/year for quarried product.

ACTIVITIES

Click on the "Add Activity" button to add one or more activities. Select your activity out of the list and enter the tonnes, the total disturbed area and the total merchantable timber volume.

Please note that you must notify the Inspector at least two weeks before if you are planning to bring a crusher on site.

Activity	Total Disturbed Area (ha)	Merchantable timber volume (m³)
Crushing	0.00	0.00
Excavation of Pit Run	3.39	0.00
Mechanical Screening	0.00	0.00
Total:	3.39	0.00

Is the work year round or only seasonal? Year round

Brief description of operation, including proposed work schedule: Excavation, loading and hauling will take place year round. Drilling, blasting, crushing and screening will occur year round but intermittently, not continuously. Proposed restrictions on hours of operations include:

1. intermittent drilling, blasting, crushing and screening operations throughout the year, and limited to 7 am to 6 pm Monday to Friday;
2. loading and hauling operations as above, but also on Saturdays to serve local demand and critical projects such as flood protection; and
3. no operations on Sundays and statutory holidays other than equipment repairs and maintenance.

RECLAMATION PROGRAM

Describe the proposed reclamation and timing for this specific activity:	5 year mine plan development is commencing in the lower, south center of the property to maximize distance from neighbors initially, and to mitigate noise, aesthetic, and other impacts. Due to this initial mine design, and progression of mine development from the 5 year mine plan to the 40 year mine plan, the 40 year mine plan disturbance will incorporate all of the 5 year mine plan disturbance area. Pit walls and benches will continue to push back and the pit floor will be lowered from the 825m bench to the ultimate 805m bench. Therefore, there is no immediate opportunity to reclaim the 5 year mine plan as the area will continue to be disturbed and expanded.
If backfilling of pits or pit slopes is proposed in the final configuration for reclamation, details of materials to be used and placement procedures:	No backfilling of pits or pit slopes will be required. It is not practicable to reclaim the pit walls and benches. As the pit walls and benches weather and some rockfall starts to occur from the pit walls onto benches, that area should start to resemble the natural rock bluffs on the landscape above. As fines start to accumulate in cracks and crevices from weathering action, natural species are expected to seed in, and the area will provide some habitat values for the species that frequent the natural rock bluffs above. Overburden and topsoil will be spread over the 40 year mine plan pit floor to reclaim it to Rural Acreage for forage or agriculture, and residential dwellings as allowed under the land use zoning. The 5 year mine plan pit floor will not be reclaimed as it will continue to be further disturbed as mining progresses.
Estimated cost of reclamation activities described above:	\$0.00
Will progressive reclamation be carried out?	No

GROUNDWATER PROTECTION

Average depth to the high groundwater table at the proposed excavation:	27.0 m
Elevation of the groundwater table was determined from:	<input type="checkbox"/> Existing area wells

- ☐ Test pits
- ☐ Test wells drilled for this purpose
- ☒ Other: ARD test holes were drilled down 25m from ground elevation 823m and 863m. Both holes were dry and intercepted no groundwater, indicating the groundwater table is lower than 798m.

Measures proposed to protect groundwater from potential impacts of the proposed mining activity:

Existing groundwater well data was unreliable (no ground elevations recorded, some with no static water levels, and inaccurate or approximated lats/longs). Therefore, ARD test hole results from the property were used to indicate 5 year mine plan operations should be well buffered from the groundwater table. 25m deep holes drilled from the 863m and 823m elevation both came up dry with no intersection of groundwater and indicate the groundwater table is lower than 798m elevation - below both the 5 year mine plan 825m elevation quarry floor and the 40 year mine plan 805m elevation quarry floor. This should leave at least a 27m bedrock buffer above groundwater for the 5 year mine plan quarry floor. Additional measures to protect groundwater include: no fuel storage on site; spill kits maintained for fueling operations; and no explosives stored on site.

IMPACT MINIMIZATION

Shortest distance between proposed excavation to nearest residence: 260 m

Shortest distance between proposed excavation to nearest residential water source: 300 m

Measures proposed to prevent inadvertent access of unauthorized persons to the mine site:

The 5 year mine plan footprint is located well within the property boundary and at least 70m from the closest neighboring property. Neighbors will be made aware of the proposed quarry operation through the application advertising requirements and any subsequent blasting notification procedures. However, fencing and warning signs if fencing is considered necessary by an Inspector under 6.24.1 of the Code.

Measures proposed to minimize noise impacts of the operation:

Vegetation, overburden and topsoil will only be stripped from the property to the extent necessary to accommodate the 5 year mine plan. Remaining vegetation will help suppress noise from the operation. The 5 year mine plan is commencing in the lower, southern, center of the property, serving to maximize distance from neighbors to the west, north and east of the property, and therefore diminish noise. As mining progresses into the hillside and the pit deepens, the pit walls will serve to deflect and diminish noise from crushing, screening, drilling and blasting operations. A seeded, 100m long noise reduction berm is planned to mitigate noise impacts on neighbors located to the north of the property at the west end. Seeded topsoil and overburden berms are planned for portions of the property along Highway 33. Neighbors within 300m of the radius of the property will be notified a minimum of 24 hours prior to any proposed blast.

Proposed restrictions on hours of operations include:

1. intermittent drilling, blasting, crushing and screening operations throughout the year, and limited to 7 am to 6 pm Monday to Friday;
2. loading and hauling operations as in 1. above, but also on Saturdays to serve local demand and critical projects such as flood protection; and
3. no operations on Sundays and statutory holidays other than equipment repairs and maintenance.

Measures proposed to minimize the dust impacts of the operation:

Vegetation, overburden and topsoil will be stripped from the property only to the extent necessary to accommodate the 5 year mine plan. Leaving remaining areas vegetated will help suppress dust from the operation. Dust suppressants to be applied to roads. Water sprays to be used on dust generating points of the crushing and screening plants. Haul

Measures proposed to minimize visual impacts of the operation:

trucks to tarp their loads before leaving the property. Vegetation, overburden and topsoil will only be stripped from the property to the extent necessary to accommodate the 5 year mine plan. Remaining vegetation will form an aesthetic screen. A seeded, 100m long berm will serve as an aesthetic screen for neighbors located to the north of the property at the west end. Seeded topsoil and overburden berms are planned for portions of the property along Highway 33. As mining progresses back into the hillside, the operation's visibility to neighbors will be further reduced.

WATER SUPPLY

MAPS

Mark the locations of all proposed water intakes, settling ponds and/or sediment control structures on the appropriate maps.

SOURCE OF WATER

Click on the "Add Source" button to add one or more water sources.

Source	Activity	Water Use	Estimated Rate (m ³ /s)
Groundwater well	Mining - Aggregate	Dust suppression on roads, crusher, and screening plant. Washroom facilities.	0.10

Pump size in water (inches): 4
Location of water intake: TBD. Need to make application.
Please clearly mark the locations of all water intakes on the maps uploaded in Step 6 - Document Upload.

Total: 0.10

SETTLING PONDS

The Inspector may require a seismic design for ponds above grade.

Describe the waste water treatment facility (settling pond design, recycling, distance from creek, etc.): These ponds are identified as a contingency plan in the event that this dry site does generate enough surface run off to require settling ponds to intercept any turbid water. Ponds will be excavated with a dyke on the downhill side and lined with a semi-permeable material.

ACTIVITIES

Click on the "Add Activity" button to add one or more proposed settling pond.

Pond ID	Width (m)	Length (m)	Depth (m)	Total disturbed area (ha)	Total merchantable timber volume (m ³)
East	90	30	2	0.27	0
Water Source:	surface run off - contingency only				
Construction Method:	Excavated and dyked				
West	30	80	2	0.24	0
Water Source:	surface runoff- contingency only				
Construction Method:	excavated and dyked				

Disposal of fines from clean out (i.e. use as a subsoil material): Cleaned out fines will be added to the overburden stockpile to be later used in reclamation. Water from the ponds will be recycled and used in dust suppression on site and/or exfiltrate to ground.

Water from ponds will be: Recycled: Yes

Exfiltrated to Ground:	Yes
Discharged to Environment:	No

RECLAMATION PROGRAM

Describe the proposed reclamation and timing for this specific activity:

Pull back the dyke materials into the pond and fill the remainder with previously excavated materials. Recontour to the original slope and seed with an appropriate mix for erosion protection and weed control.

Estimated cost of reclamation activities described above:

\$5,000.00

TIMBER CUTTING

Total merchantable timber volume: 0.00 m3

No Timber

You have indicated that there is no merchantable timber that will be cut. Therefore a Free Use Permit or a Licence to Cut is not required. If this is not accurate, please correct your entries.

EQUIPMENT

Click on the "Add Equipment" button to add one type of equipment at a time. All equipment must comply with the requirements of the Health, Safety and Reclamation Code.

Quantity	Type	Size / Capacity
1	Bulldozer/Crawler Tractors	Cat D9
2	Crusher	Jaw crusher 36-48 inch, cone crusher 8-10 inch
1	Drill	2-5 inch holes
1	Excavator	29 tonne
1	Loader	Cat 988 5 cu m bucket
1	Other: Screening plant	2m x 7m, 250 tph
1	Truck	35 tonne

SUMMARY OF RECLAMATION

Based on the information you have provided on the previous screens the Summary of Reclamation is:

Activity	Total Affected area (ha)	Estimated cost of reclamation (\$)
Access roads, trails, etc.	0.79	0.00
Sand & Gravel / Quarry	3.39	0.00
Settling Ponds	0.51	5,000.00
Subtotal:	4.69	5,000.00
Unreclaimed disturbance from previous year:	0.00	
Disturbance planned for reclamation this year:	0.00	
Total:	4.69	5,000.00

OTHER CONTACTS

Please enter the contacts that are applicable to your application.

Contact Info	Type of Contact
Name: Trevor Isaac	Mine manager
Phone: 250-550-7482	
Daytime Phone: 250-546-8800	
Fax:	
Email: trevor@westridgerock.com	
Mailing Address: 101 L&A Cross Road Vernon BC V1B 3S1	

Contact Info**Type of Contact**

Name: Joe Rich Properties Ltd.
Doing Business As:
Phone: 250-546-8800
Fax:
Email:
BC Inc. Number:
Extra Provincial Number:
Society Number:
GST Registration Number:
Contact Name: Trevor Isaac
Mailing Address: 101 L&A Cross Road
Vernon BC V1B 3S1

Permittee

Name: Joe Rich Properties Ltd.
Doing Business As:
Phone: 250-546-8800
Fax:
Email:
BC Inc. Number:
Extra Provincial Number:
Society Number:
GST Registration Number:
Contact Name: Trevor Isaac
Mailing Address: 101 L&A Cross Road
Vernon BC V1B 3S1

Tenure Holder

Name: Westridge Quarries Ltd.
Doing Business As:
Phone: 250-546-8800
Fax:
Email: trevor@westridgerock.com
BC Inc. Number:
Extra Provincial Number:
Society Number:
GST Registration Number:
Contact Name: Trevor Isaac
Mailing Address: 101 L&A Cross Road
Vernon BC V1B 3S1

Site operator

LOCATION INFORMATION**LAND DETAILS**

Do you have the legal description of the land or the civic address then click on 'Add Land Information'.

Description

Private Land
Parcel ID: 008-801-266
Legal Description: Lot 1 Sections 10 11 14 and 15 Township 27 Osoyoos Division Yale District Plan 38841

DRAWINGS

All applications must include the appropriate maps and applications received without maps will be returned. All maps must be in colour, computer generated, with a scale, north arrow and a detailed legend.

For Mineral, Coal and Placer applications you must provide a minimum of 3 maps:

- A Location Map which must show the location of the property in relation to the nearest community with the access route from the community to the work site clearly marked;
- A Tenure Map which must show the boundaries of the tenure(s) and tenure numbers, at a scale of 1:20,000 or less;
- A Map of Proposed Work which must show topography, water courses, existing access, existing disturbance, contour lines, known cultural heritage resources and/or protected heritage property, at a scale of 1:10,000 or 1:5,000. For site specific applications the location of all proposed exploration activities must be shown; for area-based applications the work area must be shown as a polygon, with the location of all proposed exploration activities for year 1 shown, and shape files provided of the area.

For Sand & Gravel/Quarry applications you must provide a Plan View, Cross and Longitudinal Sections and a Land Title/Crown Land Tenure Map. Details of these requirements are listed in the Sand & Gravel/Quarry Operations Activity sheet.

☒ I have one or more files (PDF, JPG, PNG etc.) with my maps

MAP FILES

Do you have a PDF or image file of a drawn map? You can upload it here.

Description	Filename
40 Year Mine Plan	JOE RICH QUARRY 40 YEAR MIN...
5 Year Mine Plan	JOE RICH QUARRY 5 YEAR MINE...
5 Year Mine Plan Text Description	JOE RICH QUARRY 5 YEAR MINE...
Adjacent GW Wells and Buildings	JOE RICH QUARRY ADJACENT BU...
Cross Section Plan View	JOE RICH QUARRY CROSS SECTI...
Cross Sections	JOE RICH QUARRY CROSS SECTI...
Location Map	JOE RICH QUARRY LOCATION-MA...

ATTACHED DOCUMENTS

Document Type	Description	Filename
Archaeological Chance Find Procedure	Arch Chance Find Procedure	JOE RICH QUARRY ACFP.docx
Blasting Procedure	Blasting Procedures	T & A ROCKWORKS BLASTING PR...
Mine Emergency Response Plan	Mine Emergency Response Plan	JOE RICH QUARRY MERP.docx
Other	ARD ML Assessment	JOE RICH QUARRY ARD-ML TEST...
Other	Env Overview Assessment	JOE RICH QUARRY ENVIRO OVER...
Other	Non Technical Addendum Placeholder	Non Technical Addendum.docx

PRIVACY DECLARATION

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FrontCounter BC Program Director
FrontCounter BC, Provincial Operation
441 Columbia Street
Kamloops, BC V2C 2T3

☒ Check here to indicate that you have read and agree to the privacy declaration stated above.

REFERRAL INFORMATION

Some applications may also be passed on to other agencies, ministries or other affected parties for referral or consultation purposes. A referral or notification is necessary when the approval of your application might affect someone else's rights or resources or those of the citizens of BC. An example of someone who could receive your application for referral purposes is a habitat officer who looks after the fish and wildlife in the area of your application. This does not apply to all applications and is done only when required.

Please enter contact information below for the person who would best answer questions about your application that may arise from anyone who received a referral or notification.

Company / Organization:	Joe Rich Properties Ltd.
Contact Name:	Trevor Isaac
Contact Address:	101 L & A Crossing Road Vernon BC V1B 3S1
Contact Phone:	250-546-8800
Contact Email:	trevor@westridgerock.com

☒ I hereby consent to the disclosure of the information contained in this application to other agencies, government ministries or other affected parties for referral or First Nation consultation purposes.

IMPORTANT NOTICES

- Once you click 'Next' the application will be locked down and you will NOT be able to edit it any more.

DECLARATION

☒ By submitting this application form, I, declare that the information contained on this form is complete and accurate.

APPLICATION AND ASSOCIATED FEES

Item	Amount	Taxes	Total	Outstanding Balance
Mines Notice of Work Application Fee	\$50,000.00		\$50,000.00	\$0.00

OFFICE

Office to submit application to: Kamloops

PROJECT INFORMATION

Is this application for an activity or project which Yes

requires more than one natural resource
authorization from the Province of BC?

What is the name of your project? Joe Rich Quarry

Please provide any of the following: reference
number(s), project number(s), tracking number(s), or
other descriptive information which would allow us
to group these applications together: AT# 100332743

APPLICANT SIGNATURE	
Applicant Signature	Date

OFFICE USE ONLY		
Office Kamloops	File Number	Project Number
	Disposition ID	Client Number

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From: JRRAT Society [joerichsociety@gmail.com]
To: OfficeofthePremier, Office PREM:EX [Premier@gov.bc.ca]; tracy.gray@parl.gc.ca [tracy.gray@parl.gc.ca]; Merrifield.MLA, Renee LASS:EX [Renee.Merrifield.MLA@leg.bc.ca]; Letnick.MLA, Norm LASS:EX [Norm.Letnick.MLA@leg.bc.ca]; Gail Given [gail.given@rdco.com]; Regional Board [Regionalboard@rdco.com]; Kamloops, REGOPS EMLI:EX [MMD-Kamloops@gov.bc.ca]; Lain, Scott TRAN:EX [Scott.Lain@gov.bc.ca]; regionalboard@rdco.co [regionalboard@rdco.co]; Crampton, Ray W FLNR:EX [Ray.Crampton@gov.bc.ca]; Mark Bartyik [mark.bartyik@rdco.com]; Hyam, Ross EMLI:EX [Ross.Hyam@gov.bc.ca]; Minister, FLNR FLNR:EX [FLNR.Minister@gov.bc.ca]; info@bmid.ca [info@bmid.ca]
Subject: Joe Rich Community Resource Extraction June 2021 Survey
Date: Tuesday, June 15, 2021 13:39:34
Attachment 1: Mark signature.png
Attachment 2: Comments from the June 2021 Survey Random Samples.pdf

[EXTERNAL] This email came from an external source. Only open attachments or links that you are expecting from a known sender.

Good Afternoon Ladies and Gentlemen,

As you are well aware, the Residents and Property Owners of Joe Rich are facing some extremely difficult dynamics with regards to Resource Extraction Operations and Activities in and around our Community. The Joe Rich Ratepayers and Tenants Society conducted a survey last week to gain a better understanding and clear insight into how our Community Members feel about these operations.

Below please find the four questions posed in the Survey and the final results;

1. Are you in favor of the Westridge Quarries Proposal for a change in property zoning and a resource extraction operation at; Lot 1 Sections 10 11 14 and 15 Township 27 Osoyoos Division Yale District Plan 38841 Parcel ID: 008-801-266

Survey Respondents Results: 2% In favor and 98% Opposed

2. Are you opposed to the Westridge Quarries Proposal for a change in property zoning and a resource extraction operation at: Lot 1 Sections 10 11 14 and 15 Township 27 Osoyoos Division Yale District Plan 38841 Parcel ID: 008-801-266

Survey Respondents Result: 98% Opposed and 2% In favor

3. Do you support a moratorium on all logging and quarry operations and practices in the Joe Rich/Mission Creek Watershed area until comprehensive current studies and testing can be completed and the results presented?

Survey Respondents Results: 93% In favor and 7% Opposed

4. Do you support the idea of reserving the lower part of the High Rim Trail (Hwy 33 and Philpott Road) as a full conservation area to be left as is? (This area is presently slated to be logged in Fall 2021)

Survey Respondents Results: 97% In favor and 3% Opposed

Additionally, please find attached a file containing some of the comments respondents added to their Survey submissions.

As quite evident through the Survey results and respondents' comments the Residents and Property Owners of Joe Rich are deeply concerned about Resource Extraction Operations and Activities in and around our Community. The results are being shared with you, as appointed and or elected Officials and or Ministry Staff, so that you are also aware of the concerns and opinions of the people who live and own property in Joe Rich. We trust that these results will assist in any decision making processes involving Resource Extraction Operations and Activities in and around the Joe Rich Community. Should you have any questions or concerns that involves the Joe Rich Community, our Residents and or Property Owners please do not hesitate to contact the Society at any time.

Respectfully Submitted,

Mark Poelzer
JRRAT Society President

Joe Rich Ratepayers and Tenants Society

11481 Hwy 33 East

Kelowna, BC V1P1K1

ph.: 250-469-6127

<https://www.joerichsociety.com/>

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Frank Lahey

Comments from the

Joe Rich Resource Extraction Operations June 2021 Survey

Extremely opposed, this will cause major traffic problems, Noise and pollution. Harmful to the wildlife and our everyday living. Will cause great stress in the community and home life. This is so very Irresponsible of any mining company. People live out here to relax and get away from noise. So very disappointing
Opposed, opposed, Wrong place to have a gravel pit. too close to residential and wildlife area

We do not support the potentially devastating destruction to the wildlife, watershed or road ways with this proposed location.
We do not support logging or other disruption to watershed ways. We do not support the logging of lands in this populated and desirable location which could ruin visual lines, aesthetic pleasure and property values.
Thank you for sending this out and including all in the conversation.

From what I understand that land was never even supposed to be a possibility for being zoned commercial land use
There is definitely old growth, it needs to be allocated as such.

Elk migration route, noise, traffic on an already busy highway with only 2 lanes, water run off causing watershed damage and/or run off washouts

I live right next to this property. The idea of having a rock quarry as a neighbor is devastating. In addition to the environmental impacts such as the watershed and wildlife habitats, my quiet and peaceful property would be no more. My house is also situated on a rock cliff. I feel that the constant earthworks happening so close to my property could put my house in danger.

This will dramatically effect the residents in the area with noise and air pollution. It's also less than 1000 meters from a landslide that damaged highway 33. Well I understand the need for gravel this is not a good location. Industrial use in a residential area will cause conflict.
Could not agree more.

Worst site possible....tremendous safety issues.
Mission Creek Watershed needs much more extensive, independent analysis.
Gormans need to live up to a moral responsibility to the community.

Have concerns regarding slope stability as well as highway safety.
Not the place for a quarry.
Industrial business like this is NOT appropriate for the Joe Rich community.
Philpott Road has history of land instability partially caused by logging. The fire of 2017 and subsequent log salvage afterwards is enough. The current "fire mitigation" terminology is clearly another term for full mechanical logging on the few valuable trees that remain on Philpott hillside. Logging in Joe Rich is a disaster

waiting to happen - which will not only affect JR residents, but has a high risk of affecting water for City of Kelowna.

This area is an extension of the Philpott mountainside. Not only is there a Joe Rich history of slope stability, but it is also a gorgeous hiking trail that should remain available for all now and future generations to enjoy.

In the process of taking part in the above survey regarding the issues facing us as a community, I find myself overwhelmed and heartbroken. All that has become precious and wonderful about living in Joe Rich is being attacked in ways I never thought possible. It is imperative that these issues regarding logging and a quarry operation be settled quickly. My heart's greatest longing, my most sincere prayers are that we can successfully protect the glory of God's creation for our and all the generations to come!

Opposed for the reasons already sent forward by BMID and the Joe Rich Task Force that opposes this proposal.

Opposed

We have requested studies of recent geotechnical reports but the logging licensees have refused releasing this information. The licensees have lost our trust in their harvesting plans as they have promised one thing but have often done quite a different type of logging than promised. They have also promised buffers around trails but that did not happen either. They have been harvesting directly in a Riparian zone - how can that be allowed ? Where are the watchdogs with the contractors and the licensees?

This is the last pristine area in Joe Rich that has no visible logging - it is in the Joe Rich Land Use Bylaws that this is a protected area but Gormans says it is part of the Working forest. There is confusion about this area which is a well loved recreational area that does not need to be logged please !!

Major yes ! I hike this daily and this is an amazing piece of hiking trail that should be left as it connects to 18km to hiking trails on the other side of mission creek ! We enjoy all season (minus high river season)

Worst gravel pit location ever. There is gravel already available in numerous other locations. So many reasons why this is a poor choice

Once blasting starts how will it affect our wells ?

If it were approved then who would be responsible for such an incident? We don't need any more destruction.

I have grave concerns regarding impacts to groundwater and local residential wells, as well as noise, vibration, traffic involving thousands of loaded gravel trucks traversing through the hairpin turn and Black Mountain School zone. I am also concerned that the industrial use adjacent to a residential area will have negative impacts on residential property values and lessen the attractiveness of this enclave for future residents. I believe all decisions should be based on facts and information. Conducting studies and seeking resident input before any approvals for non-complementary uses is essential. Logging in any area should be done in a way that minimally impacts residential land owners and recognized trails.

From my research there is NO rezoning required, so why is this even a question?

Why is the Quarry asked twice in two opposite ways (which can lead to confusion) but the logging is a straightforward yes/no to both questions?

Public consultation is demanded

I believe public consultation is demanded

Would eliminate important wildlife from this are surrounding areas. Would be dangerous for Hwy 33 traffic with trucks pulling out onto the highway.

Would cause excessive noise. This use of the land is not at all suitable for the area.

Must be conserved. Wildlife population will disappear otherwise.

Thank you for your efforts in fighting to oppose this development.

I do believe the two issues are quite separate. There is some crossover dealing with slope stability and impact on water availability and quality but the issues are quite different.

I am very concerned about slope stability so anything that can be done to help is beneficial

A gravel pit in that area is an absurd request... The traffic on HWY 33 is dangerous enough without adding heavy laden dump trucks. The continual noise and distribution to the water systems of a rural area and to the wild life corridor is beyond any reasonable thinking. Please DO NOT allow this to go ahead.

I believe that the entire high rim trail should be protected as a park and left as natural as possible pending safety of its users.

I'm sure there are better areas that Westridge Quarries can find that are less likely to have such a negative impact on communities, wildlife, safety, slope stability and traffic.

I 100% support forestry. It's a renewable resource that should be utilized responsibly. Completing another assessment/study is just making sure things are being done to a standard that will preserve the quality of watersheds. Easier to prevent than to undo the damage once it has already happened

As long as it does not interfere with slope stability or the watershed and members of the community are not negatively impacted by it.

I am 100% opposed

I am 100% opposed

The destruction of our lands must be stopped

I am 100% opposed

I am 100% opposed

The destruction of our lands must be stopped

BIG concern is WATER. We don't have any. 6 years ago we drilled 200 more feet to a depth of 600 feet and we doubled our gallons per min. to a whopping 1/4 gal. per min. If this goes through, we will likely loose ALL water that we now get. Also there was an aquifer study done way back when Pyman rd. gravel pit went in and it was stated that at THAT time, no other development was advised because the aquifer could not keep up with consumption rates as they were THEN. Black Mnt. Irrigation opposition should be all that is needed. They would jeopardize 30% of Kelowna water supply as soon as the hillside gives way.

I appreciate Joe rich how it is. Away from the noise, and in the middle of nature.

The whole project is a multifaceted recipe for disaster. There is no upside for the environment or the tax paying residents of Joe Rich.

I no longer believe that the mining or logging industry can be trusted to do the right thing when it comes to respecting the environment and the citizens of Joe Rich. They have used the Philpott fire as a means to access the forests of the Mission

Creek Watershed. This must be investigated. The previous studies predate the forest fires and landslides we have experienced recently and must be revisited before any more operations can be carried out. Absolutely! That stand of pristine forest must be protected from all threats (including so called "fire mitigation") for the enjoyment of everyone in the Central Okanagan and future generations as well.

Concerns: traffic safety, blasting, aquifer, highway stability, school bus, hair pin corner, etc
No logging, I believe this study has to be completed.
Lower part needs preservation.

Very dangerous corner, noise, blasting, water problems, hairpin turn, etc.
This is residential area not mining and quarries
If they continue to clear cut near homes and waterways it will have a very bad impact.

Do not rezone it !!
Why not sell the property for a profit and go elsewhere, away from private properties.
OPPOSED!!
We need more parks instead.
Please put a PERMANENT moratorium on all logging in our community ... period.
Why does there have to be logging done right on our property lines and near our watersheds when there are millions of acres elsewhere that won't affect people/families in communities.
It would be more beneficial to make it a park and not drive all the wildlife away.
Please do not log this beautiful forest. We live in the country and still have to drive to a trail to walk our dogs. More and more land is being taken away from us for logging.
PLEASE GO SOMEWHERE ELSE, AWAY FROM OUR COMMUNITY. Logging is literally going on on our property lines.
Really???

This is a residential neighbourhood and not suitable for gravel pit operations

There is a huge concern that this is on the hwy in a rural subdivision. This is where people are, this is a school bus stoppage area. We are strongly opposed to rezoning in a rural subdivision.

Enough traffic on a very busy stretch of highway including the hairpin
Many better sites than this location
Slope stability and water concerns for mission creek are not being considered
This has been a well used trail and part of Joe Rich for many years.
Again mission creek water concerns
Thanks for the opportunity to express our thoughts on this survey

Why do these people think in a residential area they think can do what ever they want.

A quarry at this site has a potential for so many disasters!
Wildlife first (ELK)
black mountain irrigation intake below in Mission Creek
Dust and noise
The obvious safety concerns with dump truck activity on arguable one of the most dangerous sections of Hwy

Water is Life!!!

Once upon a time there was a thing called the Advisory Planning Commission for the Central Okanagan East Regional District.

This platform gave 6 volunteer community members an opportunity to have a say on the different proposals that were going to affect the members of the community.

Alas! Mayor Walter Gray in 2012 decided that this was much too tedious of a process and it was slowing down "progress" and our advisory planning commission ceased to exist

I was a member of this commission for approximately six years and feel sad that the community has been stripped of this form of input.

they don't give a shit about community
It's a part of Okanogan history

Area has existing stability issues

Quarrying creates pollution from noise and dust. Heavy truck traffic causes further congestion near already known congestion point at the hairpin bend. Because of the visual pollution they create with dust and trucks tourists to the famous big white skiing resort may not have such a great experience, and traffic slowdowns which may further impact their experience.

Considering the property is right next to the residential plots, the quarrying operation may impact the property prices and they may not be able to sell their lots as quarrying is a big deterrent for future buyers.

Thanks for coordinating this survey.

Complete disregard for zoning in the land use bylaw.

I am extremely concerned of potential mining operations affecting the below aquifer. Residents are aware that blasting operations may affect the yield of their water wells in the area. The wells on Daves Rd have produced consistently for 20 plus years. Will Westridge Quarries be liable for loss of water production of privately held wells in the area once mining and blasting commences?

I do not feel there has been adequate research and consideration for the negative impact on:
traffic patterns, noise pollution, the water shed, the already unstable land due to highway slides and washouts, plus the impact on school children attending Black Mountain Elementary.

Bad idea. Disruptive to wildlife, traffic, noise level and threat to water supply

There is already a lack of ground water in this area and this operation may make the situation worse. The lack of consultation and publication of study results does nothing to allay these fears.

Joe Rich is rural and gravel extraction is not.

Why not think before acting in every endeavor?

There has already been a lot of loss of our natural habitats in this area. The area on Black Mountain has lost much where many native plants and animals resided.

Thanks for collecting this information

Thank you for all your hard work and dedication on behalf of our JR community.

too close to and up hill from the intake
am opposed to the change in property zoning

Please no, we are rural residences and live out here for the peace and quiet.

The survey forces Yes/No answer. Uncertain as to extent & type of logging that seems to be a factor.

The survey forces Yes/No answer. Uncertain as to extent & type of logging that seems to be a factor.

The watershed needs to be protected; the slope stability needs to be preserved in order to ensure the safety of the residents.

This is a residential community, no logging or mining should ever be allowed

This is a residential area, not an industrial area. It is far too close to residences and water sources. The wildlife would be affected. The road is not suitable to having large numbers of heavy duty trucks travelling on it. Slope stability would be affected, which would endanger properties and Highway 33.

Yes, I support the preservation of the trail, however, clean-up of the large amount of fire material would be beneficial and lead to a safer area.

Wildlife migration will be impacted and the access onto Hwy 33 at an already dangerous section is inadequate.

This is our home. If we start bringing business like this up here, it will dispute the peace that we have come to appreciate and it could potentially ruin the land.

The Black Mountain Irrigation District and other professional studies are clear of the foreseeable irreparable drinking water and other environmental damages, let alone the immediate and potential fatal dangers of related traffic and road impact at this specific location. While perhaps a little less profitable for the quarry trucking right off the highway, other sites exist. The current property zoning as rural acreage is as it should. It is interconnected with the residential land around it, long prior owned and purchased with the consideration that such activities are justly not allowed in this area.

Highly in favor of a moratorium until professional studies for the proponents are made public, and until professional study on behalf of the community is undertaken that fairly assess community and neighboring impact. This is furthered in light of apparent misrepresented clear cutting recently taken under the lower public awareness and communication due to COVID and the increased harvest desire due to lumber pricing.

With the upper High Rim Trail lost as a nature trail due to the Philpott fire, and several other local trails lost and streams disrupted due to clear cut logging, the remaining lower part should be preserved. replacement trail is needed. This lower part of the lower part of the trail that sheds down to the main creek/river that has a high variation in flow over the season and should not have logging and the impact of making roads on these slopes near it.

Thank you for extending awareness, sharing communications, and conducting this survey.

Issues: water, bad location, noise, dust

Top part bunt out and logged – leave lower part intact as trail

Too close to the water supply system.

Too close to watershed. Hillside too steep.

We need more recreational areas.

Dave Rd entrance to gravel site is extremely dangerous turn onto Hwy 33

Recent landside failures on Hwy 33 & surrounding area have been recognized (Cardinal Creek, Goudie Rd, Huckleberry Rd., Hwy 33 at the switchback past Goudie) but the fact that three people on Philpott Rd. died on June 12, 1990 due to massive slide seems to be forgotten.

This area was identified in the original Joe Rich Rural Land Use Bylaws as reserved in its natural state a community use park (without usual park services)

No feasibility infrastructure study, water issues, traffic, migratory herds, light and noise pollution, fog in winter – does not align with Community Plan.

The firm was sneaky about proposal. – newspaper

The use the word processing but what it really means is screen decks, crush plant, cones and conveyors. All requiring WATER a resource that Joe Rich is poor in. The management of water will require a feasibility study. Water use in the region is the most significant reason to say NO. This industry does not fit with our community plan to be stewards of the community. The highway, especially the hairpin corner is the site of numerous accidents and washouts. In fact, the Provincial Government spent over 2 Million just to repair that corner. The blasting and drilling would exacerbate problems in the stretch of highway. There is no benefit to the Community only detractors. Water issues, turbidity, tailing ponds, ground water use are the biggest factors. The highway use is the second, steep uphill climb, speeding vehicles, fog/inversion, eight mile ranch, hair pin and plain wear and tear and community implication is the second hard NO. The elk herds travels through Joe Rich via this land, it would be a deal toll to this migration.

The light, noise and dust pollution is the last outstanding item for all residents in the area. Already land values have plummeted in the region/area.

Big White and other recreational users will also be impacted by a rock quarry.

We have been steward of this region and have endeavored to protect the watershed, forest and the rural lifestyle. As a private citizen there are multiple by laws preventing me from destroying/polluting. The rules should be the same or stronger for industry.

A moratorium would give Joe Rich an opportunity to understand our watershed and the implication of logging and quarries.

This is the last pristine area for hiking. We lost the High Rim Trail (upper) due to fire and as logging continues there are fewer areas to hike in.

We moved to this region due to the perceived quality of life, natural environment and RDCO protection of the environment. If we as homeowners are held to standards of environmental stewardship on our land, commercial projects should be accountable to the same or higher standards. Impacts to resident enjoyment, quality of life, safety in transportation and impact to our environment are non-negotiable. The rights of our community should be protected, even more so because of the impact to the water supply of our region at large.

Thank you for your amazing work! We are new to the community and very impressed!

From: Sandy Rehaume [sandyrehaume@gmail.com]
To: Kamloops, REGOPS EMLI:EX [MMD-Kamloops@gov.bc.ca]; regionalboard@rdco.com [regionalboard@rdco.com]; john.horgan.mla@gcg.bc.ca [john.horgan.mla@gcg.bc.ca]; Letnick.MLA, Norm LASS:EX [Norm.Letnick.MLA@leg.bc.ca]; Merrifield.MLA, Renee LASS:EX [Renee.Merrifield.MLA@leg.bc.ca]; tracy.gray@parl.gc.ca [tracy.gray@parl.gc.ca]; Minister, FLNR FLNR:EX [FLNR.Minister@gov.bc.ca]; ross.hyan@gov.bc.ca [ross.hyan@gov.bc.ca]; Lain, Scott TRAN:EX [Scott.Lain@gov.bc.ca]
CC: info@bcgreens.ca [info@bcgreens.ca]
Subject: Perpetuating the Lie ...Community Plan VS Profit
Date: Wednesday, June 02, 2021 09:42:13

[EXTERNAL] This email came from an external source. Only open attachments or links that you are expecting from a known sender.

Joe Rich Quarry News Update

Aggregate (sand, gravel, and quarried rock) forms the very foundation of our transportation network and built environment. We need and use the resource to continue to build sustainable communities.” – EBA Report, 2013

Westridge, started in 2005, has become a reputable and reliable name in the Okanagan aggregate industry. They built their reputation on hard work, quality products and exceptional service.

Westridge currently operates various gravel pits and rock quarries within the Okanagan, and which is soon to include the Joe Rich Quarry.

The proposal of the Joe Rich Quarry stems from the growing demand for quality, crushed aggregates, and to support economic growth within the City of Kelowna and the surrounding Regional District of Central Okanagan (RDCO)

Benefits of the Joe Rich Quarry

1. Reduced distance to market
2. Reduced traffic congestion
3. Reduced wear and tear on roads
4. Reduced greenhouse gases / fuel consumption
5. Optimal location outside of major city limits
6. Quarry is not located within an environmentally sensitive area
7. End use of land will be improved

To learn more, please see:

- Joe Rich Quarry – Application Submitted to The Ministry of Energy, Mines and Low Carbon Innovation
- Joe Rich Quarry – Company Information Package

From: Sandy Rehaume [S.22]
To: Horgan.MLA, John LASS:EX [John.Horgan.MLA@leg.bc.ca]; regionalboard@rdco.com [regionalboard@rdco.com]; Kamloops, REGOPS EMLI:EX [MMD-Kamloops@gov.bc.ca]; Letnick.MLA, Norm LASS:EX [Norm.Letnick.MLA@leg.bc.ca]; Merrifield.MLA, Renee LASS:EX [Renee.Merrifield.MLA@leg.bc.ca]; Minister, FLNR FLNR:EX [FLNR.Minister@gov.bc.ca]; Lain, Scott TRAN:EX [Scott.Lain@gov.bc.ca]; tracy.gray@parl.gc.ca [tracy.gray@parl.gc.ca]; onareception@sylix.org [onareception@sylix.org]
Subject: Please see attached letter opposing the two proposed resource extraction plans in Joe Rich
Date: Wednesday, June 02, 2021 10:25:40
Attachment 1: June 2 Letter to RDCO and all.pdf

[EXTERNAL] This email came from an external source. Only open attachments or links that you are expecting from a known sender.

Proposed Joe Rich Gravel Quarry
Tolko Industries forest and logging operations

June 2, 2021

RE: Resource Extraction VS Community Standards

To the office of the elected and appointed officials:

It is with sincere regret and loathing that I am writing this letter to you all.

This latest attack on the Community of Joe Rich is simply another example of the cultural persecution of the peaceful, in favor of the pursuits of the wealthy and greed of the few.

We selected our home for the purpose of living a quiet and sustainable lifestyle free from the invasion of industry and environmental corruption and pollution that we have endured throughout our lifetime living in condensed overpopulated municipalities.

Today, not much more than 10 years here, we are now faced with one of the greatest threats to our planet, standing right now on our doorstep, and this threat is there due to the lack of oversight, investment and undue diligence within your offices.

There seems to be a general opinion within your offices, that the lives of the people of Joe Rich, and if one were to take the time to review similar circumstances throughout or Province and across Canada, governing officials seem to be of the opinion that rural communities have little or no value to the decision makers and rubber stampers.

The irresponsible manner in which this government has allowed for the decimation of our lands for profit is an embarrassment to our species.

There has been no community engagement and what little response has been provided to those brave enough to question, is nothing more than denial and lip service.

The recent irresponsible logging practices of Tolko Industries have had and will continue to have a devastating effect on the wildlife within this region. OUR Community.

Now, with the proposed rock quarry, plans are set in motion... to start BLASTING away at the mountain above the main water supply for the Black Mountain Irrigation District. To start BLASTING next to homes belonging to hard working, local tax payers. BLASTING next door to small children, who will be impacted physically, mentally and emotionally. BLASTING away the wintering grounds of the wildlife who we as a community work together to protect and reduce our own impact on.

The overdevelopment of urban lands and properties has got to stop.

We stand here pleading for the protection of a mountain slope that is KNOWN to be unstable ... precariously close to a location where similar reckless practices led the loss of lives just ten years ago. Please halt this devastation.

Clearly, WE do not want to see the natural resources stripped from our community and we are prepared to stand against those who threaten our way of life.

Sandy Rehaume

7645 Falconridge Crescent,

Kelowna, BC V1P 1J1

From: Robert Hrasko [rhrasko@bmid.ca]
To: Lachmuth, Erik TRAN:EX [Erik.Lachmuth@gov.bc.ca]
CC: Lain, Scott TRAN:EX [Scott.Lain@gov.bc.ca]
Subject: Proposed Joe Rich Quarry - BMID letter plus two reports 1 of 2 emails
Date: Wednesday, June 09, 2021 13:30:10
Attachment 1: image003.jpg
Attachment 2: 210520_Ltr-BMID-EMR_JoeRich-Quarry-Referrral-Response-FINAL.pdf
Attachment 3: 040402_Eight-Mile-Slope-Stability-Golder-FINAL.pdf
Attachment 4: 01_Main-Rpt.pdf

[EXTERNAL] This email came from an external source. Only open attachments or links that you are expecting from a known sender.

Erik

Please find attached our letter to the Ministry of Energy, Mines & Low Carbon Innovation plus two Geotechnical reports for the slope below Eight-Mile ranch lands. They are available to forward to your geotechnical engineers.

Thank you

Bob

Bob Hrasko, P.Eng.

Administrator

Phone (250) 765-5169

Cell/Text (250) 212-3266

Email rhrasko@bmid.ca





May 20, 2021

Ministry of Energy, Mines
& Low Carbon Innovation
South Central Region
2nd Floor, 441 Columbia Street
Kamloops, BC
V2C 2T3

Attention: Inspector of Mines

Dear Sirs:

**Re: BMID Review - Proposed Quarry – Joe Rich
Lot 1, Plan 38841, Sections 10, 11, 14 and 15, Township 27, ODYD**

1.0 INTRODUCTION

This letter provides Black Mountain Irrigation District's comments in regards to the proposed Joe Rich quarry. The proposed quarry is to be located on a 75-acre parcel legally identified as Lot 1, Plan KAP 38841. It is on the hillside above Highway 33, immediately east of the Eight-Mile Ranch property.

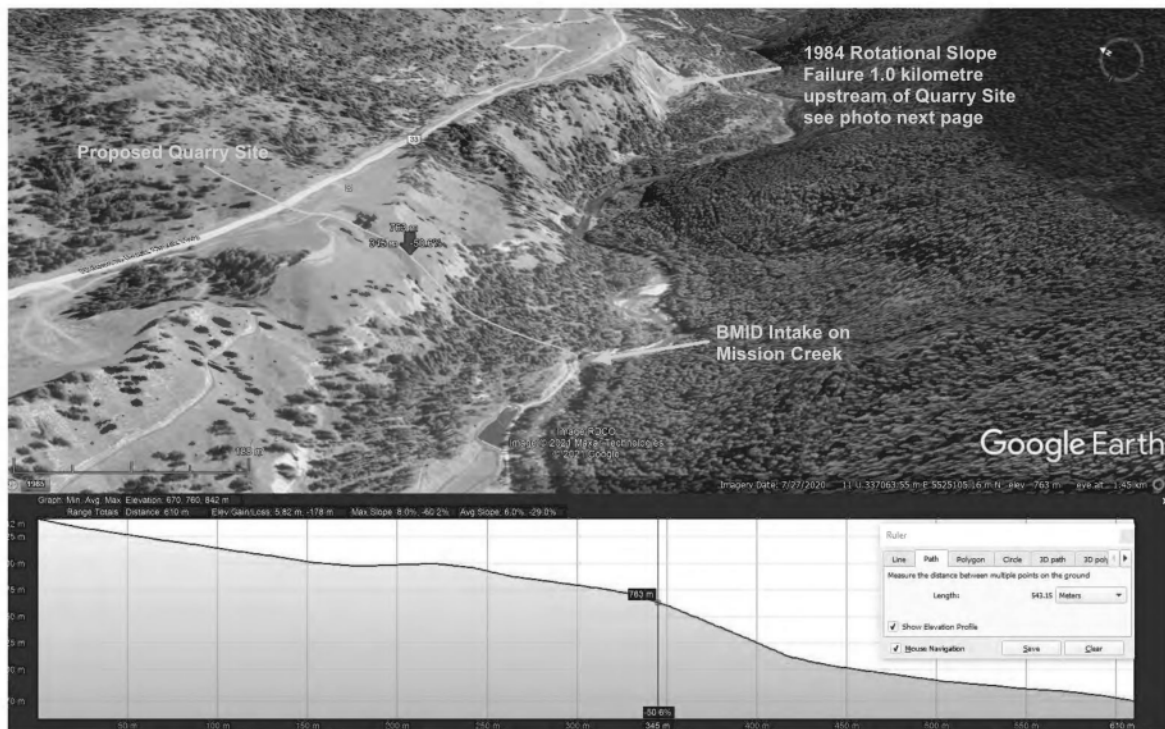
BMID does not have property immediately adjacent to this land, however our Water Treatment Plant facilities and intake are located downslope from this site, some 130m below and 500m to the south along Mission Creek. The quarry is proposed above sensitive silt bluff slopes in the Mission Creek canyon corridor.

The proposed property for the quarry is situated between elevations ranging from 810m near Highway 33 to as high as 940m elevation. The BMID water supply intake and Water Treatment Plant below this site is at an elevation of 660 metres.

BMID can appreciate the need in our region for high quality aggregate. We also can appreciate the amount of work needed to set up, develop and operate a quarry operation.

We are strongly opposed to the development of this site due to the location and proximity to our community water supply system. BMID is one of the largest water suppliers in the Okanagan valley providing domestic water to approximately 28,000 persons and irrigation water to over 5,000 acres of land. Mission Creek is one of two primary domestic water supply sources to the Kelowna region with the other being Okanagan Lake. In the long term, the intake for Mission Creek will likely have higher and higher importance as we are continually challenged to protect the quality of water in the Mission Creek watershed and within Okanagan Lake.

Figure 1 - Quarry Site Proximity to BMID Intake (545m) Plan & Section View



The water supply source for Mission Creek is set up to supply a much larger population than it currently supplies. The integrity and safety of the water supply facilities is of primary importance to the long-term health of the community for the next century and beyond.

2.0 MISSION CREEK CORRIDOR SLOPE ISSUES

The Mission Creek corridor from Layer Cake mountain to the Belgo Creek confluence, a distance of some 16 kilometers, is known to be an area with unstable silt slopes. There have been numerous slope failures that have affected the BMID water supply in the past century. Over that time BMID has been very careful in monitoring and advising residents, Provincial Ministries, and the Regional District of the potential risks. We have collectively been able to maintain some stability for those land-use activities that can be managed.



Photo – 1984 slope failure

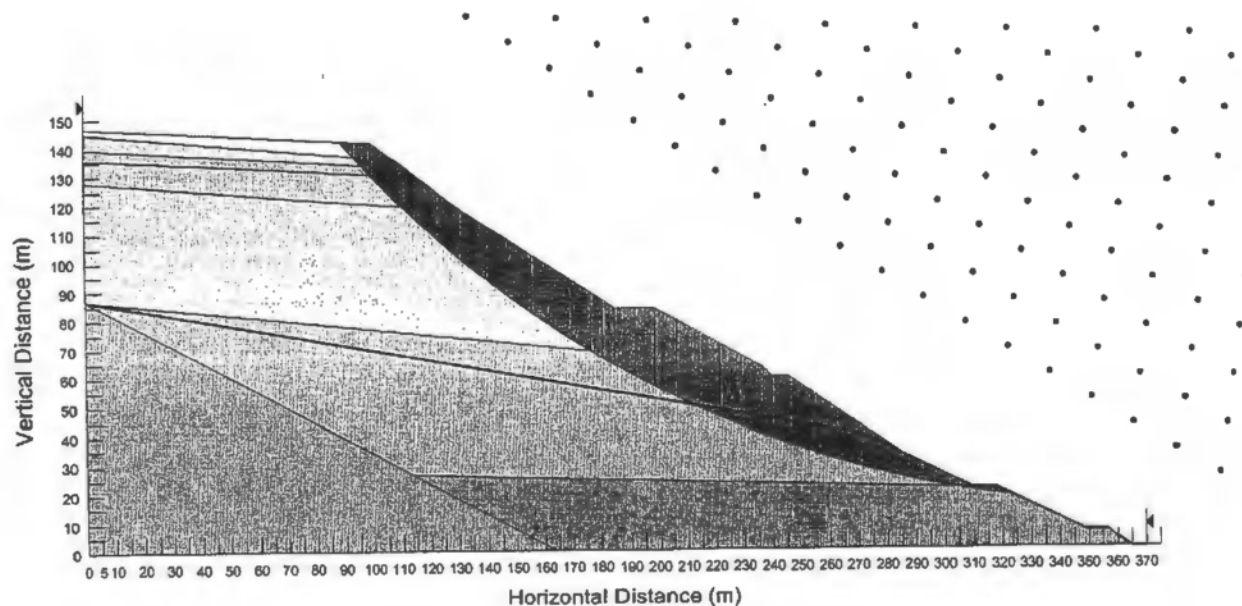
BMID is continually challenged by the natural events that occur through the Mission Creek corridor. These include the rotational slope failure of 1984 (see photo), the transmission main breaks in 1973, 1998, 2011, and two recent leaks in 2018. Other challenges include the destructive Philpott Road fire in 2017, and the flood flows that occurred in 2012, 2017 and 2018. Increasing the risk to our facilities through human activities is not in the interest of the greater community.

Of concern is the stability of the silt slopes below this site. Any added vibrations such as drilling and blasting and heavy equipment will shake the hillside. The 1984 slope failure some 1,000m to the east of this site is shown in the photo. This slope failure was caused by construction and the unnatural ponding of water at the top of the slope (reference: Heinz Koetz, BMID Trustee 1973-2010). The result was a 120m high rotational failure that filled the valley and moved debris some 25 metres up the south side of the Mission Creek valley.

2005 SLOPE ANALYSIS

In 2004-05, Willie Rometsch, then owner of Eight-Mile ranch which is the property immediately east of the quarry site, applied to develop a resort to house 170 MF units. The wastewater was to go to the slopes above the BMID Water Treatment Plant. Geotechnical reports were carried out by EBA Engineering Consultants and a review of their report was conducted by Golder Associates Ltd. The reports are on-file at BMID and have been forwarded to the applicant.

Figure 2.1 - EBA Model Showing Critical Slope Failure (Golder Review Report, 2004)



These reports investigated the probability of a slope failure including a larger rotational failure as illustrated in Figure 2.1. The work, at the time, included deeper borehole drilling of the slope to determine subsurface strata at depth. The general outcome of the Golder review was that the slope was stable at present, however the slope Factor-of-Safety was close to 1.0, additional effluent into the ground from a large wastewater system was not recommended.

2018 SLOPE INSTABILITY

In 2018, BMID experienced a slope movement situation at our supply conduit that was created by high groundwater flows from upstream catchment areas. The area of concern was in the Mission Creek corridor below Pyman Road. The high groundwater levels caused the ground to move which created a small leak that grew to the point where a major washout could have occurred. BMID found the leak in time in October of 2018 and repaired it. Fortunately, groundwater levels stabilized and were lowered. BMID spent over \$750,000 in 2018 and early 2019 to protect this water supply conduit. The photo on next page shows BMID staff unloading the lateral pressures on this section of 1500mm diameter steel conduit.

BMID is in the process of securing right-of-way for a 1,650m long rock tunnel that is to replace a 50-year-old covered flume. The tunnel will provide a secure route for water supply through some of the most difficult topography that BMID must cross. These slope issues reiterate BMID's concerns and commitment to maintaining slope stability for those areas that we must cross to supply water to our community.

The proposed 1650m long rock tunnel under the shoulder of Black Knight Mountain will connect to BMID's existing 1,000m long *McDougall Rock Tunnel* that has been in service since the 1940's. The proposed tunnel will be an extension of the existing tunnel.



2018 Photo – Relieving upstream slope pressure on BMID 1500mm diameter transmission main

3.0 ECONOMIC IMPACT

During the 2018 slope movement event, BMID carried out an economic analysis of the losses to agriculture if there was a major failure in the water supply conduit in mid-summer.

Table 3.1 - Loss of Community Water Supply - Agriculture

LOSS OF COMMUNITY WATER SUPPLY - AGRICULTURAL IMPACT												
Groupings	Acres	Revenue / Acre	Replant Cost / ac.	Gross cost / yr	TOTAL LOSS	Replant Cost/ac	2019	2020	2021	2022	2023	2024
Cherry	538.40	\$ 45,000	\$ 15,000	\$ 24,228,000	\$ 158,289,600	\$ 8,076,000	\$24,228,000	\$24,228,000	\$24,228,000	\$24,228,000	\$24,228,000	\$16,232,760
Sour Cherry	37.23	\$ 20,000	\$ 15,000	\$ 744,513	\$ 5,174,963	\$ 558,384	\$ 744,513	\$ 744,513	\$ 744,513	\$ 744,513	\$ 744,513	\$ 498,823
Apple HD	537.69	\$ 25,000	\$ 36,136	\$ 13,442,208	\$ 75,887,177	\$ 19,429,905	\$13,442,208	\$13,442,208	\$13,442,208	\$ 9,006,279	\$ 4,435,929	\$ 2,688,442
Apple MD	163.79	\$ 10,000	\$ 36,136	\$ 1,637,912	\$ 12,797,989	\$ 5,918,759	\$ 1,637,912	\$ 1,637,912	\$ 1,637,912	\$ 1,097,401	\$ 540,511	\$ 327,582
Apple LD	197.61	\$ 5,000	\$ 36,136	\$ 988,040	\$ 11,290,530	\$ 7,140,763	\$ 988,040	\$ 988,040	\$ 988,040	\$ 661,987	\$ 326,053	\$ 197,608
Soft Fruit Apricot/Peach/Pear/Plum	37.46	\$ 15,000	\$ 15,000	\$ 561,951	\$ 2,922,143	\$ 561,951	\$ 561,951	\$ 561,951	\$ 561,951	\$ 376,507	\$ 185,444	\$ 112,390
Berry Crop (rasp, strawberry, berry)	29.16	\$ 30,000	\$ 15,000	\$ 874,877	\$ 4,111,920	\$ 437,438	\$ 874,877	\$ 874,877	\$ 874,877	\$ 586,167	\$ 288,709	\$ 174,975
Grape - Vineyard	80.95	\$ 20,000	\$ 15,000	\$ 1,618,908	\$ 8,013,594	\$ 1,214,181	\$ 1,618,908	\$ 1,618,908	\$ 1,618,908	\$ 1,084,668	\$ 594,740	\$ 323,782
Floriculture (flowers)	0.29	\$ 50,000	\$ 20,000	\$ 14,500	\$ 63,800	\$ 5,800	\$ 14,500	\$ 14,500	\$ 14,500	\$ 14,500		
Cash-Crop-Garden (corn, veget....)	65.56	\$ 15,000	\$ 4,000	\$ 983,348	\$ 2,750,097	\$ 262,226	\$ 983,348	\$ 983,348	\$ 324,505	\$ 196,670		
Turf farm	57.91	\$ 20,000	\$ 2,500	\$ 1,158,203	\$ 3,075,030	\$ 144,775	\$ 1,158,203	\$ 1,158,203	\$ 382,207	\$ 231,641		
Forage / Pasture / Grass	439.74	\$ 2,000	\$ 500	\$ 879,476	\$ 2,444,943	\$ 219,869	\$ 879,476	\$ 879,476	\$ 290,227	\$ 175,895		200 days
Alfalfa	99.75	\$ 2,250	\$ 500	\$ 224,441	\$ 617,713	\$ 49,876	\$ 224,441	\$ 224,441	\$ 74,066	\$ 44,888		
Greenhouse / nursery	44.67	\$ 100,000	\$ 25,000	\$ 4,466,894	\$ 10,050,511	\$ 1,116,723	\$ 4,466,894	\$ 4,466,894				
TOTAL	2330.20 acres				\$ 297,489,411	\$ 45,136,650	\$51,823,270	Order trees, two years	replant			
	2019 Complete Loss Year					Replant	Year of Failure					
	2020-22 Order trees, new stock											

The economic impact for agriculture (if the existing orchards were lost) could be greater than \$300,000,000. As set out in Table 3.1, loss of fruit trees and vineyards would require several years to recover. If completely lost, time would be required to order new trees, plant them, and allow them to mature before average revenues can be generated. This estimate does not include the compounding effect of losses on support businesses and work to the agriculture industry.

BMID constructed Hadden Reservoir (1969), the BMID primary chlorination building (1988), Stevens Reservoir (1993) and the Water Treatment plant and intake (1999) knowing of the slopes above and the need to protect their integrity.

The location for the BMID facilities is fixed due to the elevation and the requirement to access Mission Creek for water.

4.0 SUMMARY

This section summarizes our concerns regarding this proposed land use:

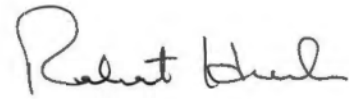
1. BMID strongly opposes the development of a quarry on the 75-acre site above our intake and Water Treatment Plant. The vibrations, blasting and operation of heavy equipment is not desired in this sensitive location. Even if the blasting is small and controlled, the long-term continued vibrations would shake the silt bluffs above our facilities. With global warming and extreme high groundwater levels such as those in 2018, the natural risks are already increasing. A quarry in this location would compound the risks that we already face;
2. BMID recognizes that a rock quarry is needed in the region and BMID will support the development of a quarry in the watershed, however, not at this site;
3. There is a large rotational failure on the north slope of Mission Creek corridor only 1.0 kilometre upstream of the proposed quarry site. See the photo on Page 2. The slopes along this corridor have seen major slumps and failures over time. These are normally triggered by the creek flow impinging on the silt banks, but in the case of the 1984 failure, we understand it was caused by human activity and water ponding above the slope;
4. BMID has a 2004 Geotechnical Report prepared by EBA Engineering and a 2005 Review Report prepared by Golder Associates for the slope above our Water Treatment Plant and below the proposed quarry. The report reviewed work by EBA included a deep borehole investigation. The Golder report reviewed EBA's work and recommended against the development that was proposed. These reports have been provided to the applicant.
5. We have identified a nearby large land-holding that should be considered for a rock and granular material quarry. The G.P. Sandhers Holdings properties, 1500 acres in size, are located on the north side of Highway 33 immediately west of 8-Mile Ranch. These lands are also located above BMID facilities, but with a much greater set back and lower risk of slope failure. BMID is in the process of designing a rock tunnel to safely convey water below these lands. The contact person for G.P. Sandhers is Bob Fisher-Fleming, phone (250) 938-0841. Their land is in the ALR, but with an owner that is one of the largest growers in the region, reclamation of the land back to agriculture would be a requirement by the ALR. BMID would support a quarry at the G.P. Sandhers lands, provided that once mining is completed, the land would then be reclaimed for agriculture.

BMID recognizes that aggregate is needed in our region. We believe that the security of the community water supply including the largest supply of water for agriculture in the Kelowna area, should not be put at risk by a blasting operation situated above the silt bluffs above our water intake. The infrastructure for BMID has been planned for a timeline greater than 100 years. If we fail to protect the quality of water in Okanagan Lake, in time, the BMID intake may become the primary domestic water supply source for much of Kelowna. The importance of the security of the BMID facilities cannot be overemphasized.

This letter and these conditions were reviewed at the May 19th, 2021 BMID Board Meeting and are supported by the Board. We trust that our position on this matter is clear.

Yours truly,

BLACK MOUNTAIN IRRIGATION DISTRICT



Bob Hrasko, P.Eng.
Administrator

cc: BMID Board of Trustees
Rick Adams – Applicant's Representative, Westridge Quarries
RDCO Todd Cashin, Director of Planning
Brittany Lange, Environmental Planner
Mark Bartyik, Area Director
Minister – Mines and Energy
Agriculture Land Commission – Executive Director
Bob Fischer-Fleming – G.P.Sandher Holdings
Norm Letnick – MLA - Kelowna-Lake Country

Golder Associates Ltd.

100 - 388 First Avenue
Kamloops, British Columbia, Canada V2C 6W3
Telephone (250) 828-6116
Fax (250) 828-1215



April 2, 2004

04-1430-014

Black Mountain Irrigation District
285 Grey Road
Kelowna, BC
V1X 1W8

Attention: Mr. Phil Ruskowsky

**RE: GEOTECHNICAL ASSESSMENT AND OPINION
REPORT BY OTHERS REGARDING 8 MILE RANCH
EAST OF KELOWNA, BC**

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Page 100 of 258 to/à Page 138 of 258

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EBA Engineering Consultants Ltd.

Creating and Delivering Better Solutions

GEOTECHNICAL ANALYSIS AND RECOMMENDATIONS 8-MILE RANCH

**EBA File: 0807-7800205
December 5, 2003**



Page 140 of 258 to/à Page 154 of 258

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Copyright

From: s.22
To: info@westridgerock.com [info@westridgerock.com]
CC: regionalboard@rdco.com [regionalboard@rdco.com]; Kamloops, REGOPS EMLI:EX [MMD-Kamloops@gov.bc.ca]; ross.hyman@gov.bc.ca [ross.hyman@gov.bc.ca]; Letnick.MLA, Norm LASS:EX [Norm.Letnick.MLA@leg.bc.ca]; Horgan.MLA, John LASS:EX [John.Horgan.MLA@leg.bc.ca]; Merrifield.MLA, Renee LASS:EX [Renee.Merrifield.MLA@leg.bc.ca]; Minister, FLNR FLNR:EX [FLNR.Minister@gov.bc.ca]; Lain, Scott TRAN:EX [Scott.Lain@gov.bc.ca]
Subject: Proposed gravel Quarry Joe Rich
Date: Tuesday, June 01, 2021 18:21:29

[EXTERNAL] This email came from an external source. Only open attachments or links that you are expecting from a known sender.

Being a resident and property owner in the rural community of Joe Rich , Kelowna B.C. We are adamantly opposed to the proposed gravel pit adjacent to HWY 33 . That stretch of highway has been the scene of many fatal vehicle accidents and killing of wildlife crossing the HWY. The thought of having heavy loaded gravel trucks pull out onto the highway is absurd. The pull out road is a short stretch of Hwy between two very dangerous curves that have claimed many lives. Add in the logging truck traffic and in the winter the thousands of drivers that head to Big White each day.

List of concerns.

1. Westridge Rock did not communicate with the Joe rich residence regarding this proposal
2. The dust and air pollution will be awful
- 3 Continual noise from machinery banging and beeping back up noise.
4. Contamination of watershed and creeks. And concerns about the Black Mt irrigation holding ponds and Mission Creek just below the site
5. Migration of wild life.
6. School bus pick up and drop off on Dave's rd. Black mt elementary at the bottom of walker hill.

All this said, please do the right thing and decline the request for a gravel quarry at the location described.... perhaps focus on upgrading a very dangerous Highway 33.
Thank you for your attention to this.

s.22

Sent from my iPad

From: Lain, Scott TRAN:EX []
To: s.22 Kamloops, REGOPS EMLI:EX [MMD-Kamloops@gov.bc.ca]
CC: s.22 ; Mark Bartyik [mark.bartyik@rdco.com]; Krys
Subject: RE: Westridge Quarries proposal for a mine/quarry in Joe Rich
Date: Monday, June 21, 2021 09:13:31

Hello^{s.22}

The Ministry of Energy, Mines and Low Carbon Innovation is the Provincial authority for approval of the Quarry you refer to in your email. I have copied them on this email for their consideration of your concerns.

The Ministry of Transportation and Infrastructure will be working with our partners to ensure the impact to Highway 33 is addressed should this application be approved.

Regards,

Scott Lain
Kelowna Area Manager - Roads
Ministry of Transportation and Infrastructure
Office 250-712-3668

-----Original Message-----

From: s.22
Sent: June 18, 2021 9:55 AM
To: Lain, Scott TRAN:EX <Scott.Lain@gov.bc.ca>
Cc: s.22 >; Mark Bartyik <mark.bartyik@rdco.com>; s.22
Subject: Westridge Quarries proposal for a mine/quarry in Joe Rich

[EXTERNAL] This email came from an external source. Only open attachments or links that you are expecting from a known sender.

Hello Scott. I am sure you may have heard by now that there is a permit application with the Ministry of Energy, Mines and Low Carbon Innovation for a mine/quarry operation on Hwy 33 in Joe Rich. The proposal seeks a permit to blast, crush, and transport up to 245,000 tons of material per year in an area that, among the many concerns brought forth by the community, will have serious impacts on transportation infrastructure and road safety in the area. The proposed site is adjacent to Hwy 33 at the south end of Dave's Road and envisions extending Dave's Road to the quarry.

As you are aware, the intersection of Dave's Road is barely suited to residential traffic, let alone tandem dump trucks entering and exiting at the westbound deceleration point south of the hairpin turn. That coupled with a lack of a left turn lane eastbound from the highway to Dave's Road would suggest transportation studies and reconfigurations would be in order for this proposal to meet even the most basic safety parameters set out by your ministry.

I understand that as part of the proposal review process, impacted ministries are asked to consider their specific requirements and provide feedback to MEMLCI. Can you confirm whether or not your office has received the proposal, reviewed it and/or provided any reports on MOTI's position? As well, are you able to share that review with the community and a broader audience for consideration? To date the Regional District of Central Okanagan, the Black Mountain Irrigation District, and the Joe Rich Ratepayers and Tenants Association have all expressed strong opposition to the quarry being placed in this residential community.

I look forward to your reply,

s.22

Sent from my iPad

From: S.22
To: info@westridgerock.com [info@westridgerock.com]; regionalboard@rdco.com [regionalboard@rdco.com]; Kamloops, REGOPS EMLI:EX [MMD-Kamloops@gov.bc.ca]; Hyam, Ross EMLI:EX [Ross.Hyam@gov.bc.ca]; Letnick.MLA, Norm LASS:EX [Norm.Letnick.MLA@leg.bc.ca]; Horgan.MLA, John LASS:EX [John.Horgan.MLA@leg.bc.ca]; Merrifield.MLA, Renee LASS:EX [Renee.Merrifield.MLA@leg.bc.ca]; Minister, FLNR FLNR:EX [FLNR.Minister@gov.bc.ca]; Lain, Scott TRAN:EX [Scott.Lain@gov.bc.ca]S.22

S.22
Subject: Review Proposed Quarry - Joe Rich Lot 1, plan 38841, sections 10, 11, 14 and 15, Township 27, ODYD
Date: Wednesday, June 02, 2021 07:59:36
Attachment 1: Westridge Rock gravel pit proposal 2021.pdf

[EXTERNAL] This email came from an external source. Only open attachments or links that you are expecting from a known sender.

Attached is my letter to reject the

Proposed Quarry - Joe Rich Lot 1, plan 38841, sections 10, 11, 14 and 15,

Township 27, ODYD

S.22

June 02 2021

Review Proposed Quarry - Joe Rich Lot 1, plan 38841, sections 10, 11, 14 and 15, Township 27, ODYD

To whom it may concern

I am **against** the proposed gravel pit by Westridge Rock in the Daves Creek Road area of Joe Rich, and request that this **application be denied.**

I feel that this ministry is **not** acting very responsibility on the consideration of this project and its effect on the wildlife, lands and the communities involved.

Is it not your responsibility to be sure that all the requests for studies and tests be completed before you grant approval?

Are you aware the site in question is deemed unstable and there is a great possibility of a slide?

Are you aware of the possible contamination of the creeks in the area (Daves, and Mission) which would affect the water quality of as many as 30% of Kelowna residents, not to mention the impact on the aquatic life in those creeks?

Are you aware of the ground water concerns of the people in the area? Do you know that many get by with very little and this pit will be putting a strain on an already capacitated water system?

Are you also aware that the winds that travel up the valley flow directly over this site and into my community? Do you think the dust, noise and filth is going to improve my quality of life and increase the value of my property?

These are not rhetorical questions and if you know the answers, how could this application ever be approved.

I would like to see the Ministry of Energy, Mines and Petroleum **deny** this application at least until the above concerns have been addressed and the Central Okanagan Aggregate Committee has a chance to organize a comprehensive management strategy for this area.

Sincerely

s.22

Application Summary

eDAS File Number: 2021-02914

Permit Application:

Permit Type: Access, Resource and Industrial Road
Selected Office: Kelowna Area Office
Applicant File Number:
Project Description: An Industrial Access Permit for your quarry at the end of Daves Rd in Joe Rich

Location:

Order Location

Legal Description: Lot 1 Sections 10 11 14 and 15 Township 27 Osoyoos Division Yale District Plan 38841

Permit Application Details:

Local Government: Regional District of Central Okanagan
Drawing or Sketch Number:
Number of Access Locations: 1
Property Zoning: Rural Acreage
Existing Land Use: Rural Acreage
Intended Land Use: Quarry
Size and Scope of Operations:
Access is required for a period of:
☐ Industrial Transportation Certificate (ITC) Requested

Attachments:

Filename	File Description	Classification
Title - Joe Rich.pdf	Title	Legal Document
7415 SITE-DSG-5 YEAR-S	5 Year	Design Drawing
7415 SITE-DSG-40 YEAR-S	40 Year	Design Drawing
7415 CROSS SECTION PL	Cross Section	Design Drawing

Permit Application Parties:

Type	Name/Company	Address	Role	Permit Holder
Applicant	Clark, Tyson - Joe Rich Properties Ltd			<input type="checkbox"/>

☒ I confirm, to my knowledge, the information provided is complete and accurate

Permit Application Terms & Conditions:

PLEASE READ THE FOLLOWING PRIOR TO ACCEPTING THE TERMS AND CONDITIONS OF THIS PERMIT APPLICATION. IN CONSIDERATION OF THE MINISTRY'S AGREEMENT TO EVALUATE THIS APPLICATION AND TO DELIVER A RESPONSE:

I (WE), understand and agree that this application does not constitute a Permit and a permit may be denied or granted on terms in Ministry of Transportation and Infrastructure's absolute discretion. I UNDERSTAND AND AGREE THAT I MUST NOT PROCEED WITH MY PROPOSED WORKS OR ACTIVITIES AT THIS TIME, UNLESS AND UNTIL THE MINISTRY ISSUES A PERMIT.

I (WE), understand and agree to indemnify and save harmless the Ministry, its agents and employees, from and against all claims, liabilities, demands, losses, damages, costs and expenses, fines, penalties, assessments and levies made against or incurred, suffered or sustained by the Ministry, its agents and employees, or any of them at any time or times, whether before or after the date of this application or the issuance of a Permit, where the same or any of them are based upon or arise out of or from anything done or omitted to be done by THE APPLICANT, their employees, agents or Subcontractors, in connection with the works or activities of the Applicant which are the subject of this Application or any Permit granted by the Ministry.

Application Summary

eDAS File Number: 2021-02914

or activities of the Applicant which are the subject of this Application or any Permit granted by the Ministry.

I (WE) also understand and agree that the Permit may be issued with additional terms and conditions determined in the Ministry of Transportation and Infrastructure's absolute discretion, and I agree that accepting and acting on the rights granted in the Permit constitutes my acceptance of its terms, including any additional terms not listed in this application. The Ministry may change the conditions on a Permit at any time, in its sole discretion. If I do not agree with any of the terms contained in the Permit, I must immediately inform the Ministry and I may not exercise any of the rights granted by the Permit.

I (WE) also understand and agree that a permit is not a property right and does not transfer with the works or activities to a new owner or operator. Any new owner of the works in highway must complete a new Permit application and obtain a new Permit from Ministry of Transportation and Infrastructure.

☒ I accept the terms and conditions of this permit application

From: [Garrison, Blaine TRAN:EX](#)
To: [Lachmuth, Erik TRAN:EX](#)
Cc: [Potter, Sean TRAN:EX](#); [Lain, Scott TRAN:EX](#)
Subject: FW: Joe rich gravel quarry
Date: June 3, 2021 12:22:40 PM

Hey Erik,

Just a heads up on this one. Gravel quarry off H33 in Joe Rich. You may start getting calls on this, looks like Jeff and Scott have already. We responded to the Mines referral already. They have approached us to begin discussions on access and any upgrades to Daves. Really early into this, so likely more to come. At a minimum we would be looking for traffic work to analyze impact to H33 as well as Daves Road. We would also be going through a design process for any mitigative works identified in the TIA.

Sean is currently managing the access file, if you have questions.

Thanks,

Blaine

From: Lain, Scott TRAN:EX <Scott.Lain@gov.bc.ca>
Sent: June 3, 2021 12:02 PM
To: Garrison, Blaine TRAN:EX <Blaine.Garrison@gov.bc.ca>; Potter, Sean TRAN:EX <Sean.Potter@gov.bc.ca>
Subject: RE: Joe rich gravel quarry

Pretty much same email with different names

From: Garrison, Blaine TRAN:EX <Blaine.Garrison@gov.bc.ca>
Sent: June 3, 2021 12:00 PM
To: Lain, Scott TRAN:EX <Scott.Lain@gov.bc.ca>; Potter, Sean TRAN:EX <Sean.Potter@gov.bc.ca>
Subject: RE: Joe rich gravel quarry

Were they all that bad?

From: Lain, Scott TRAN:EX <Scott.Lain@gov.bc.ca>
Sent: June 3, 2021 11:58 AM
To: Potter, Sean TRAN:EX <Sean.Potter@gov.bc.ca>
Cc: Garrison, Blaine TRAN:EX <Blaine.Garrison@gov.bc.ca>
Subject: Re: Joe rich gravel quarry

I have been deleting them. :(

Scott Lain
Ministry of Transportation & Infrastructure

Area Manager - Roads
Kelowna

On Jun 3, 2021, at 11:56 AM, Potter, Sean TRAN:EX <Sean.Potter@gov.bc.ca> wrote:

Hi Scott

Can you please send me the other emails you have received on this file? I would like to add them to the file as they may identify additional issues we will need to address with the access permit.

Thanks

Sean

From: Garrison, Blaine TRAN:EX <Blaine.Garrison@gov.bc.ca>

Sent: June 3, 2021 11:28 AM

To: Lain, Scott TRAN:EX <Scott.Lain@gov.bc.ca>

Cc: Potter, Sean TRAN:EX <Sean.Potter@gov.bc.ca>

Subject: RE: Joe rich gravel quarry

Thanks Scott for sending this along. They must have put up the RDCO information signs now. Sean is managing this file, should you have any questions. At this point they have only submitted an application for access to Daves Road and H33, we will be requiring traffic analysis given the increase in traffic load and speed/volume of highway 33. Sean has already reached out to our Traffic folks to get it on their radar.

We'll keep you in the loop as things progress.

Sean-can we keep a copy of this email chain in the file, please?

Thanks,

Blaine

From: Lain, Scott TRAN:EX <Scott.Lain@gov.bc.ca>

Sent: June 3, 2021 11:21 AM

To: Garrison, Blaine TRAN:EX <Blaine.Garrison@gov.bc.ca>

Subject: FW: Joe rich gravel quarry

See trailing. In case you get calls or emails from the public.

From: Wiseman, Jeff TRAN:EX <Jeff.Wiseman@gov.bc.ca>

Sent: June 3, 2021 9:26 AM
To: Lain, Scott TRAN:EX <Scott.Lain@gov.bc.ca>
Cc: Lachmuth, Erik TRAN:EX <Erik.Lachmuth@gov.bc.ca>
Subject: FW: Joe rich gravel quarry

Scott – As per below, Mines is responding to these enquiries, therefore no need for us to get out in front of this one.

Jeff

From: Hyam, Ross EMLI:EX <Ross.Hyam@gov.bc.ca>
Sent: June 3, 2021 9:23 AM
To: Wiseman, Jeff TRAN:EX <Jeff.Wiseman@gov.bc.ca>
Subject: RE: Joe rich gravel quarry

Hi Jeff,

We are responding to the concerns as they come in. The response is simply that we have forwarded their concerns on to the SDM for review and consideration. At this point that is all we can do. With this project an issues tracking table will be put together to ensure that they SDM considers all of the issues when they are making their decision. If a permit is issued and if the concerns lie within the scope of consideration for the SDM then he will be designing permit conditions to mitigate the concerns or rationalizing why the concerns were not valid; for example they are already covered by another piece of legislation.

Thank you,

Ross

Ross Hyam, RPF, P.Eng, MBA
Regional Director
Ministry of Energy, Mines and Low Carbon Innovation
Phone (250) 985-0042

From: Wiseman, Jeff TRAN:EX <Jeff.Wiseman@gov.bc.ca>
Sent: June 3, 2021 8:43 AM
To: Hyam, Ross EMLI:EX <Ross.Hyam@gov.bc.ca>
Cc: Lain, Scott TRAN:EX <Scott.Lain@gov.bc.ca>
Subject: RE: Joe rich gravel quarry

Ross – Will your ministry be providing a provincial response to enquiries regarding this mine application?

Jeff Wiseman

Operations Manager
Ministry of Transportation and Infrastructure
Okanagan Shuswap District

From: Lain, Scott TRAN:EX <Scott.Lain@gov.bc.ca>
Sent: June 3, 2021 5:35 AM
To: Wiseman, Jeff TRAN:EX <Jeff.Wiseman@gov.bc.ca>
Subject: Fwd: Joe rich gravel quarry

Jeff

I am receiving multiple emails like this. Can I delete them?

Scott Lain
Ministry of Transportation & Infrastructure
Area Manager - Roads
Kelowna

Begin forwarded message:

From: S.22
Date: June 2, 2021 at 6:43:57 PM PDT
To: info@westridgerock.com, regionalboard@rdco.com, "Kamloops, REGOPS EMLI:EX" <MMD-Kamloops@gov.bc.ca>, "Horgan.MLA, John LASS:EX" <John.Horgan.MLA@leg.bc.ca>, "Merrifield.MLA, Renee LASS:EX" <Renee.Merrifield.MLA@leg.bc.ca>, "Minister, FLNR FLNR:EX" <FLNR.Minister@gov.bc.ca>, "Lain, Scott TRAN:EX" <Scott.Lain@gov.bc.ca>, "Hyam, Ross EMLI:EX" <Ross.Hyam@gov.bc.ca>, "Letnick.MLA, Norm LASS:EX" <Norm.Letnick.MLA@leg.bc.ca>
Subject: Joe rich gravel quarry

[EXTERNAL] This email came from an external source. Only open attachments or links that you are expecting from a known sender.

To whom this may concern, my family and i live up in joe rich and we do NOT want the "possible" 75 acre gravel quarry off hwy 33 east of Daves rd. There are many concerns the community and my family have. And probably the people that come up and down that road. For even more accidents to happen.
plus

- No community engagement from Westridge Rock
- Dust and air pollution

- Noise from blasting, crushing and backup beeping
- Contamination of our water sheds and creeks
- Property value decline
- An area with history of unstable land and hillsides
- Migration of wildlife
- Quarry operating from Mon-Sat 7am-6pm
- Additional heavy duty vehicles and machine to an already unsafe corner of a highway
- School bus pick up and drop off at Daves Rd
- Potential for more accidents .

Thank you

s.22



Planning Services

1450 K.L.O. Road
Kelowna, B.C. V1W 3Z4

Telephone: (250) 469-6227
Fax: (250) 762-7011
rdco.com

June 16, 2021
Our File: GREX-21-01
FrontCounter BC Referral No: 130241619 - 005

Sent via Email & Mail

Ministry of Energy, Mines and Low Carbon Innovation
ATTN: Brendan Scorrar, Inspector of Mines
2nd Floor, 441 Columbia Street
Kamloops, BC V2C 2T3

Dear Mr. Scorrar:

Re: Notice of Work #1621878202101 – Mines Act Permit referral application for Joe Rich Properties Ltd. (owner) c/o R. Adams (agent) regarding the proposed Joe Rich Quarry at Lot 1, Sections 10, 11, 14 & 15, Township 27, ODYD, Plan 38841 – Highway 33

We refer to your application regarding the above captioned property to consider a Ministry of Energy, Mines and Low Carbon Innovation referral application to permit a new construction aggregate quarry operation. The Regional Board considered the application at their meeting held on June 10, 2021, and adopted the following resolution:

#138/21 BARTYIK/CARSON

THAT the Regional Board does not support Ministry of Energy, Mines and Low Carbon Innovation referral application for the Joe Rich Properties Ltd. proposed sand and gravel quarry operation located at Lot 1, Sections 10, 11, 14 & 15, Township 27, ODYD, Plan 38841;

AND THAT the Regional Board directs staff, when forwarding the referral application back to the Ministry of Energy, Mines and Low Carbon Innovation, to include the following rationale for non-support:

- Impact on traffic and highway safety, environment and habitat protection, water supply, slope stability and geotechnical issues. and dust and noise from the proposed operation, all supporting the concerns raised by area residents and other referral agencies including Black Mountain Irrigation District.*

CARRIED'

Planning staff further request that the Ministries decision regarding this application be provided to the Regional District of Central Okanagan in writing and sent to planning@rdco.com

Please do not hesitate to contact Planning staff at 250-469-6227 if you require further information.

Sincerely,



Brittany Lange, BSc, EPt
Environmental Planner

cc: B. Hrasko, BMID
S. Potter, MOTI
S. Danielson, FortisBC
T. Isaac, Joe Rich Properties Ltd.
R. Adams, Agent

T. Cashin, Director of Community Services
RDCO Fire Services
RDCO Inspection Services
RDCO Planning Services
RDCO EAC Chair

H:\Planning\3050-GREX\20-Referrals\2021\GREX-21-01\Board Report\GREX-21-01 Letter Resolution

From: Development Approvals, Kelowna TRAN:EX
To: "tyson@westridgequarries.com"
Subject: Joe Rich Quarry
Date: June 2, 2021 3:49:00 PM

Our File: 2021-02914

Trevor,

Thank you for submitting your application for an Industrial Access Permit to operate your planned gravel pit on Daves Rd. The location of the gravel pit adjacent to the highway and the state of the local infrastructure pose a significant concern to the Ministry and as such, we will require the following information.

1. A plan for the connection to Daves Rd. – Please provide more detail on the haul road you intend to build on Ministry right of way to connect to Daves Rd including plan, cross-section, and profile views.
2. Cross Section of Berm along Hwy 33 – Previous referrals we received regarding this project indicated a berm was to be built adjacent to the highway. Please provide details of the berm including a cross section showing sightlines from the highway to the back of the pit.
3. Detail dust control measures – Please provide specific details on what measures will be taken to protect the highway from dust.
4. Detail blasting procedure – What measures will be taken to protect the highway from fly-rock. Will blast mats be used?

As we indicated during our earlier meeting, a traffic study will be required to assess the highways ability to safely accommodate the introduction of industrial traffic. We have contacted our traffic engineers and made them aware of your proposal. We will be in touch shortly to arrange a scope development meeting with you and your engineers.

Please feel free to give me call with any questions.

Thanks

Sean Potter
Development Officer, Okanagan Shuswap District
Ministry of Transportation & Infrastructure
#300 – 1358 St. Paul Street
Kelowna BC, V1Y 2E1
Phone: 778-214-1141

From: [Lain, Scott TRAN:EX](#)
To: [Potter, Sean TRAN:EX](#)
Subject: RE: Joe Rich proposed Gravel Quarry
Date: June 10, 2021 9:26:27 AM

Hi Sean – School bus is at Daves Rd & Hwy 33 at approx. 8:15am and 2:52pm.

Scott

From: Potter, Sean TRAN:EX <Sean.Potter@gov.bc.ca>
Sent: June 10, 2021 8:58 AM
To: Lain, Scott TRAN:EX <Scott.Lain@gov.bc.ca>
Subject: RE: Joe Rich proposed Gravel Quarry

Hi Scott,

Thanks for forwarding all those emails. As I'm sure you have noticed, a lot of people are concerned about the school bus drop off/pick up on Daves Rd. Do you have any idea what time this occurs? I would like to go see how the drop off currently works to inform our plans for any improvements.

Thanks

Sean

From: Lain, Scott TRAN:EX <Scott.Lain@gov.bc.ca>
Sent: June 10, 2021 8:32 AM
To: Potter, Sean TRAN:EX <Sean.Potter@gov.bc.ca>
Subject: Fwd: Joe Rich proposed Gravel Quarry

FYI

Scott Lain
Ministry of Transportation & Infrastructure
Area Manager - Roads
Kelowna

Begin forwarded message:

From: s.22
Date: June 10, 2021 at 8:12:09 AM PDT
To: "Letnick.MLA, Norm LASS:EX" <Norm.Letnick.MLA@leg.bc.ca>, "Horgan.MLA, John LASS:EX" <John.Horgan.MLA@leg.bc.ca>, "Merrifield.MLA, Renee LASS:EX" <Renee.Merrifield.MLA@leg.bc.ca>, "Minister, FLNR FLNR:EX" <FLNR.Minister@gov.bc.ca>, "Lain, Scott TRAN:EX" <Scott.Lain@gov.bc.ca>, "OfficeofthePremier, Office PREM:EX" <Premier@gov.bc.ca>, ross.hyan@gov.bc.ca, info@westridgerock.com

Subject: Joe Rich proposed Gravel Quarry

[EXTERNAL] This email came from an external source. Only open attachments or links that you are expecting from a known sender.

Good morning,

I am writting a formal letter stating my opposition to the proposed Gravel Quarry on Highway 33 east of Daves road in Joe Rich.

I have the following concerns:

- There has been no community engagement from Westridge Rock
- Huge dust and air pollution
- Contamination of our water sheds and creeks - this is our drinking water!
- Our property value declining
- increased risk of landslides and highway washouts in an area with a history of unstable land and hillsides
- Migration of wildlife
- Highway safety including: additional heavy duty vehicles and machines to an already unsafe corner of the highway, school bus pick up and drop off on Daves road and potential for more accidents.

From a concerned resident.

s.22

From: [Tyson Clark](#)
To: [Potter, Sean TRAN:EX](#); [Garrison, Blaine TRAN:EX](#)
Subject: RE: Joe Rich Quarry - Industrial Access Permit
Date: May 27, 2021 11:14:37 AM
Attachments: [Doc23338392.pdf](#)

[EXTERNAL] This email came from an external source. Only open attachments or links that you are expecting from a known sender.

Hi Sean,

We have submitted our application, as attached.

I assume we will wait to hear back regarding next steps and required action items?

Regards,

Tyson H. Clark BEconH

Westridge Quarries Ltd.

A: 101 L&A Cross Road Vernon, BC V1B 3S1

P: 250.546.8800 | **C:** 250.307.5078

E: tyson@westridgequarries.com | **W:** westridgerock.com

-----Original Appointment-----

From: Potter, Sean TRAN:EX <Sean.Potter@gov.bc.ca>

Sent: May 19, 2021 1:43 PM

To: Garrison, Blaine TRAN:EX; trevor@westridgerock.com; Tyson@westridgequarries.com

Subject: Joe Rich Quarry - Industrial Access Permit

When: May 20, 2021 2:00 PM-3:00 PM (UTC-08:00) Pacific Time (US & Canada).

Where: Skype Meeting

Trevor/Tyson,

I have set up a meeting for us to discuss your application for an Industrial Access Permit for your quarry at the end of Daves Rd in Joe Rich. The page below contains a great deal of information on the highway access approval process and the items that will be of concern to the Ministry. If you are unable to attend at the scheduled time please let me know an alternate time that works for you.

[Highway Use Permit - Access - Province of British Columbia \(gov.bc.ca\)](http://gov.bc.ca/highwayusepermit)

Thanks

Sean Potter

Development Officer, Okanagan Shuswap District

Ministry of Transportation & Infrastructure
#300 – 1358 St. Paul Street
Kelowna BC, V1Y 2E1
Phone: 778-214-1141

Join Skype Meeting

Trouble Joining? [Try Skype Web App](#)

Join by phone

s.15; s.17

[Find a local number](#)

Conference ID: **s.15; s.17**

[Forgot your dial-in PIN?](#) | [Help](#)

From: Potter, Sean TRAN:EX
To: Scorarr, Brendan EMLI:EX
Subject: RE: Resolution Letter for Mines Act Permit Referral – Notice of Work for Joe Rich Quarry (RDCO File: GREX-21-01)
Date: July 27, 2021 1:55:00 PM

Hello Brendan,

Thanks for getting back to me. We have not heard anything from the applicant in quite some time. After receiving their original application we requested some further information before we proceed with a Traffic Impact Assessment(TIA) and since then things have gone silent. I suspect they are waiting for the results of your review before they invest any further effort into our application.

While we won't know exactly what highway work will be required until the TIA is complete, our Roads Area Manager has made some suggestions. He feels that in order to make this intersection safe for industrial traffic we would require acceleration and deceleration lanes for both right and left turns as well as a widening of Daves Rd.

If you have any questions on what the intersection upgrades might look like please feel free to give me a call.

Thanks

Sean Potter
Development Officer, Okanagan Shuswap District
Ministry of Transportation & Infrastructure
#300 – 1358 St. Paul Street
Kelowna BC, V1Y 2E1
Office: 236-766-7204
Cell: 778-214-1141

From: Scorarr, Brendan EMLI:EX <Brendan.Scorrar@gov.bc.ca>
Sent: July 27, 2021 11:19 AM
To: Potter, Sean TRAN:EX <Sean.Potter@gov.bc.ca>
Subject: RE: Resolution Letter for Mines Act Permit Referral – Notice of Work for Joe Rich Quarry (RDCO File: GREX-21-01)

Hi Sean,

It is working its way through the process. The written public comment period has ended and I have complied the concerns that were raised. The traffic situation, both on Highway 33 and Daves road, was raised by numerous members of the public. As the roads are not in my area of expertise I will leave the exact studies needed or permits required to your ministry, but I will consider the potential impact during my process. The proponent is required to hold a public meeting, which has not been scheduled yet, but I think they are planning on doing it in the early fall.

If you have any updates on what they are doing with your ministry for an industrial access permit that information would be helpful to me.

Brendan

From: Potter, Sean TRAN:EX <Sean.Potter@gov.bc.ca>
Sent: June 28, 2021 3:06 PM
To: Scorrar, Brendan EMLI:EX <Brendan.Scorrar@gov.bc.ca>
Subject: RE: Resolution Letter for Mines Act Permit Referral – Notice of Work for Joe Rich Quarry (RDCO File: GREX-21-01)

Hello Brendan,

I am wondering if you have an update on how this file is proceeding? I have a number of files waiting in my inbox regarding this project that seem to have stalled.

Thanks

Sean Potter
Development Officer, Okanagan Shuswap District
Ministry of Transportation & Infrastructure
#300 – 1358 St. Paul Street
Kelowna BC, V1Y 2E1
Phone: 778-214-1141

From: Scorrar, Brendan EMLI:EX <Brendan.Scorrar@gov.bc.ca>
Sent: June 16, 2021 1:32 PM
To: Brittany Lange <Brittany.Lange@rdco.com>
Cc: Robert Hrasko <rhrasko@bmid.ca>; Potter, Sean TRAN:EX <Sean.Potter@gov.bc.ca>; Danielson, Steven <Steven.Danielson@fortisbc.com>; trevor@westridgerock.com; Rick Adams <flyfisher999@hotmail.com>; Todd Cashin <todd.cashin@rdco.com>; Ross Kotscherofski <ross.kotscherofski@rdco.com>; RDCO Planning Services <planning@rdco.com>; RDCO Inspection Services <inspection@rdco.com>; Les Gyug^{s.22} ; Hyam, Ross EMLI:EX <Ross.Hyam@gov.bc.ca>; Cloet, Mike A EMLI:EX <Mike.Cloet@gov.bc.ca>; Kamloops, REGOPS EMLI:EX <MMD-Kamloops@gov.bc.ca>
Subject: RE: Resolution Letter for Mines Act Permit Referral – Notice of Work for Joe Rich Quarry (RDCO File: GREX-21-01)

Hi Brittany,

Thank you for the response. It will be considered during the decision making process.

Regards,

Brendan

From: Brittany Lange <Brittany.Lange@rdco.com>

Sent: June 16, 2021 12:33 PM

To: Scorrar, Brendan EMLI:EX <Brendan.Scorrar@gov.bc.ca>

Cc: Robert Hrasko <rhrasko@bmid.ca>; Potter, Sean TRAN:EX <Sean.Potter@gov.bc.ca>; Danielson, Steven <Steven.Danielson@fortisbc.com>; trevor@westridgerock.com; Rick Adams <flyfisher999@hotmail.com>; Todd Cashin <todd.cashin@rdco.com>; Ross Kotscherofski <ross.kotscherofski@rdco.com>; RDCO Planning Services <planning@rdco.com>; RDCO Inspection Services <inspection@rdco.com>; Les Gyug <s.22@rdco.com>; Hyam, Ross EMLI:EX <Ross.Hyam@gov.bc.ca>; Cloet, Mike A EMLI:EX <Mike.Cloet@gov.bc.ca>

Subject: Resolution Letter for Mines Act Permit Referral – Notice of Work for Joe Rich Quarry (RDCO File: GREX-21-01)

[EXTERNAL] This email came from an external source. Only open attachments or links that you are expecting from a known sender.

Good Afternoon Brendan:

The above noted Mines Act Referral Application (Notice of Work #1621878202101) was considered by the Regional Board on Thursday June 10, 2021. Please see the attached letter indicating the Regional Board's resolution of non-support for this proposal.

Should you wish to review the staff report or watch a recording of the meeting please go to rdco.com/agenda for the June 10 meeting and click on Item 7.1.

Sincerely,

Brittany Lange, BSc, EPT
Environmental Planner | Community Services
Regional District of Central Okanagan
250-469-6227 | brittany.lange@rdco.com
Connect with us | rdco.com

From: Scorrar, Brendan EMLI:EX <Brendan.Scorrar@gov.bc.ca>

Sent: May 31, 2021 10:57 AM

To: Brittany Lange <Brittany.Lange@rdco.com>

Cc: Todd Cashin <todd.cashin@rdco.com>; trevor@westridgerock.com; flyfisher999@hotmail.com; Hyam, Ross EMLI:EX <Ross.Hyam@gov.bc.ca>; Cloet, Mike A EMLI:EX <Mike.Cloet@gov.bc.ca>; RDCO Planning Services <planning@rdco.com>

Subject: RE: Mines Act Permit Referral – Notice of Work for Joe Rich Quarry (RDCO File: GREX-21-01)

CAUTION: This message was sent from outside the organization. Please do not click links, open attachments, or respond unless you recognize the source of this email and know the content is safe.

Hi Brittany,

I look forward to receiving the comments from the Regional Board following the June 10th meeting.

They will be considered during the decision making process.

Regards,
Brendan

From: Brittany Lange <Brittany.Lange@rdco.com>
Sent: May 31, 2021 10:09 AM
To: Scorrar, Brendan EMLI:EX <Brendan.Scorrar@gov.bc.ca>
Cc: Todd Cashin <todd.cashin@rdco.com>; trevor@westridgerock.com; flyfisher999@hotmail.com; Hyam, Ross EMLI:EX <Ross.Hyam@gov.bc.ca>; Cloet, Mike A EMLI:EX <Mike.Cloet@gov.bc.ca>; RDCO Planning Services <planning@rdco.com>
Subject: RE: Mines Act Permit Referral – Notice of Work for Joe Rich Quarry (RDCO File: GREX-21-01)

[EXTERNAL] This email came from an external source. Only open attachments or links that you are expecting from a known sender.

Good Morning,

Please note that the above noted Mines Act Referral Application (Notice of Work #1621878202101) is scheduled to be considered by the Regional Board on **Thursday June 10, 2021**. The Regional Board has indicated that they wish to comment on all Ministry of Energy, Mines, and Low Carbon Innovation referral applications forwarded to this office.

In consideration of the above, the Regional District requests that no decision be made on the application until such time as the Regional Board has reviewed the proposal and a recommendation forwarded to your office.

Please contact Community Services staff at 250-469-6227 should you have any questions.

Respectfully,

Brittany Lange, BSc, EPT
Environmental Planner | Community Services
Regional District of Central Okanagan

From: Scorrar, Brendan EMLI:EX <Brendan.Scorrar@gov.bc.ca>
Sent: April 29, 2021 9:12 AM
To: RDCO Planning Services <planning@rdco.com>
Cc: Brittany Lange <Brittany.Lange@rdco.com>; Todd Cashin <todd.cashin@rdco.com>; trevor@westridgerock.com; flyfisher999@hotmail.com; Hyam, Ross EMLI:EX <Ross.Hyam@gov.bc.ca>; Cloet, Mike A EMLI:EX <Mike.Cloet@gov.bc.ca>
Subject: RE: Mines Act Permit Referral – Notice of Work for Joe Rich Quarry

CAUTION: This message was sent from outside the organization. Please do not click links, open

attachments, or respond unless you recognize the source of this email and know the content is safe.

Hello,

Please find the attached document that contains the application form and maps for review. My apologies if it was not included originally.

Here is the status of the documents requested below.

- 40 year mine plan – Page 17 of the attached document
- 5 year mine plan – Page 16 of the attached document
- Groundwater wells and buildings – The application states that an application will be made for a groundwater well for water use on the mine and the location will be determined. Page 18 of the attached document shows the adjacent groundwater wells and buildings.
- Cross section drawings – Page 19 of the attached document

The following plans and documents have been refereed to the appropriate Ministry specialists and external agency comments are not required

- Blasting Procedures
- Emergency Response Plan
- ARD ML Assessment
- Environmental Overview Assessment

Thank you for working to get your comments in as soon as possible. I can provide an extension until May 31st to provide comments.

Let me know if you have any questions.

Regards,
Brendan

From: RDCO Planning Services <planning@rdco.com>

Sent: April 28, 2021 1:11 PM

To: Scorrar, Brendan EMLI:EX <Brendan.Scorrar@gov.bc.ca>

Cc: Brittany Lange <Brittany.Lange@rdco.com>; Todd Cashin <todd.cashin@rdco.com>; trevor@westridgerock.com; flyfisher999@hotmail.com; Hyam, Ross EMLI:EX <Ross.Hyam@gov.bc.ca>

Subject: Mines Act Permit Referral – Notice of Work for Joe Rich Quarry

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Good Afternoon Brendan,

Please see the attached correspondence. As staff understand it, the Ministry if requesting comments

on the above noted referral application by May 15, 2021. The Regional District requests that no decision be made on the application until such time as the Regional Board has reviewed the proposal and a recommendation forwarded to your office.

Further, the Regional District is requesting .pdf copies of the following documents referenced in the application:

- 40 year mine plan
- 5 year mine plan
- Groundwater wells and buildings
- Cross section drawings
- Blasting Procedures
- Emergency Response Plan
- ARD ML Assessment
- Environmental Overview Assessment

Should you have questions, please contact Planning Services at 250-469-6227.

Sincerely,

Planning Services
Regional District of Central Okanagan
250-469-6227 | planning@rdco.com
Connect with us | rdco.com

From: [Brittany Lange](#)
To: [Scorarr, Brendan EMLI:EX](#)
Cc: [Robert Hrasko](#); [Potter, Sean TRAN:EX](#); [Danielson, Steven](#); [trevor@westridgerock.com](#); [Rick Adams](#); [Todd Cashin](#); [Ross Kotscherofski](#); [RDCO Planning Services](#); [RDCO Inspection Services](#); [Les Gyug](#); [Hyam, Ross EMLI:EX](#); [Cloet, Mike A EMLI:EX](#)
Subject: Resolution Letter for Mines Act Permit Referral – Notice of Work for Joe Rich Quarry (RDCO File: GREX-21-01)
Date: June 16, 2021 12:33:05 PM
Attachments: [GREX-21-01 Joe Rich Properties Ltd. Resolution Letter.pdf](#)

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Good Afternoon Brendan:

The above noted Mines Act Referral Application (Notice of Work #1621878202101) was considered by the Regional Board on Thursday June 10, 2021. Please see the attached letter indicating the Regional Board's resolution of non-support for this proposal.

Should you wish to review the staff report or watch a recording of the meeting please go to [rdco.com/agenda for the June 10 meeting](#) and click on Item 7.1.

Sincerely,

Brittany Lange, BSc, EPt
Environmental Planner | Community Services
Regional District of Central Okanagan
250-469-6227 | brittany.lange@rdco.com
Connect with us | [rdco.com](#)

From: Scorarr, Brendan EMLI:EX <Brendan.Scorrar@gov.bc.ca>
Sent: May 31, 2021 10:57 AM
To: [Brittany Lange <Brittany.Lange@rdco.com>](mailto:Brittany.Lange@rdco.com)
Cc: [Todd Cashin <todd.cashin@rdco.com>](mailto:todd.cashin@rdco.com); trevor@westridgerock.com; flyfisher999@hotmail.com; [Hyam, Ross EMLI:EX <Ross.Hyam@gov.bc.ca>](mailto:Ross.Hyam@gov.bc.ca); [Cloet, Mike A EMLI:EX <Mike.Cloet@gov.bc.ca>](mailto:Mike.Cloet@gov.bc.ca); [RDCO Planning Services <planning@rdco.com>](mailto:planning@rdco.com)
Subject: RE: Mines Act Permit Referral – Notice of Work for Joe Rich Quarry (RDCO File: GREX-21-01)

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Hi Brittany,

I look forward to receiving the comments from the Regional Board following the June 10th meeting. They will be considered during the decision making process.

Regards,
Brendan

From: Brittany Lange <Brittany.Lange@rdco.com>

Sent: May 31, 2021 10:09 AM

To: Scorrar, Brendan EMLI:EX <Brendan.Scorrar@gov.bc.ca>

Cc: Todd Cashin <todd.cashin@rdco.com>; trevor@westridgerock.com; flyfisher999@hotmail.com;

Hyam, Ross EMLI:EX <Ross.Hyam@gov.bc.ca>; Cloet, Mike A EMLI:EX <Mike.Cloet@gov.bc.ca>;

RDCO Planning Services <planning@rdco.com>

Subject: RE: Mines Act Permit Referral – Notice of Work for Joe Rich Quarry (RDCO File: GREX-21-01)

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Respectfully,

Brittany Lange, BSc, EPT

Environmental Planner | Community Services

Regional District of Central Okanagan

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Cc: Brittany Lange <Brittany.Lange@rdco.com>; Todd Cashin <todd.cashin@rdco.com>;

trevor@westridgerock.com; flyfisher999@hotmail.com; Hyam, Ross EMLI:EX

<Ross.Hyam@gov.bc.ca>; Cloet, Mike A EMLI:EX <Mike.Cloet@gov.bc.ca>

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Regards,
Brendan

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Sent: April 28, 2021 1:11 PM

To: Scorrar, Brendan EMLI:EX <Brendan.Scorrar@gov.bc.ca>

Cc: Brittany Lange <Brittany.Lange@rdco.com>; Todd Cashin <todd.cashin@rdco.com>;
trevor@westridgerock.com; flyfisher999@hotmail.com; Hyam, Ross EMLI:EX
<Ross.Hyam@gov.bc.ca>

Subject: Mines Act Permit Referral – Notice of Work for Joe Rich Quarry

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- Environmental Overview Assessment

Should you have questions, please contact Planning Services at 250-469-6227.

Sincerely,

Planning Services
Regional District of Central Okanagan
250-469-6227 | planning@rdco.com
Connect with us | rdco.com

Page 184 of 258 to/à Page 185 of 258

Withheld pursuant to/removed as

s.3

From: [Lain, Scott TRAN:EX](#)
To: [Kneale, Tom TRAN:EX](#)
Subject: FW: Joe Rich Quarry - EBA Report Appendices 2 of 2 emails
Date: June 10, 2021 8:56:48 AM
Attachments: [02_Rpt-Figures.pdf](#)
[03_Appendix-A_Geotech-Hazard-Assmt.pdf](#)
[03a_Hazard-Assmt-part2.pdf](#)
[04_AppendixB-Figures-Boreholes.pdf](#)
[05_AppendixC-aggregate.pdf](#)
[06_Appendix-D_Stability-Assmt-Figures.pdf](#)
[image002.jpg](#)

FYI – Report done for Black Mountain Irrigation

From: Robert Hrasko <rhrasko@bmid.ca>
Sent: June 9, 2021 1:33 PM
To: Lachmuth, Erik TRAN:EX <Erik.Lachmuth@gov.bc.ca>
Cc: Lain, Scott TRAN:EX <Scott.Lain@gov.bc.ca>
Subject: Joe Rich Quarry - EBA Report Appendices 2 of 2 emails

[EXTERNAL] This email came from an external source. Only open attachments or links that you are expecting from a known sender.

Erik
Please find attached the appendices for the EBA report
Thanks
Bob

Bob Hrasko, P.Eng.
Administrator



Phone (250) 765-5169
Cell/Text (250) 212-3266
Email rhrasko@bmid.ca

Page 187 of 258 to/à Page 190 of 258

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**GEOTECHNICAL HAZARD ASSESSMENT
EIGHT MILE RANCH DEVELOPMENT
HIGHWAY 33
KELOWNA, B.C.**

EBA FILE NO: 0807-99-87044

Page 192 of 258 to/à Page 204 of 258

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Figure No. 2
Terrain Stability Analysis of Aerial Photograph
Flight Line 30BCC93061
Photo No. 135

Page 206 of 258 to/à Page 231 of 258

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From: [Lain, Scott TRAN:EX](#)
To: [Kneale, Tom TRAN:EX](#); [Wiseman, Jeff TRAN:EX](#)
Subject: FW: Request for Geotechnical reports Joe Rich
Date: May 31, 2021 9:53:14 AM
Attachments: [Letter to Scott Lain, Ministry of Transportation May 24,21.docx](#)

Tom,

This was sent to me by a resident in the Joe Rich area (you and I discussed this a couple of weeks ago). Have a look and see what you think.

Jeff – Would this need to go through FOI for this information if we have it?

SCOTT LAIN
KELOWNA AREA MANAGER - ROADS
MINISTRY OF TRANSPORTATION AND INFRASTRUCTURE
OFFICE 250-712-3668
CELL 250-212-4896

From: S.S.22
Sent: May 27, 2021 10:32 PM
To: Lain, Scott TRAN:EX <Scott.Lain@gov.bc.ca>
Cc: S.S.22
Subject: Request for Geotechnical reports Joe Rich

[EXTERNAL] This email came from an external source. Only open attachments or links that you are expecting from a known sender.

Hi Scott,

Please see the attached letter of request regarding access to reports.

Thank you,

Brian Bower

Scott Lain, Area Manager, Roads
Ministry of Transportation and Infrastructure,
Okanagan Shuswap District, Southern Interior Region
300-1358 St. Paul Street
Kelowna, BC V1Y 2E1

May 24, 2021

To Scott,

Thank you for taking my phone call the other day regarding accessing your Joe Rich geotechnical reports at Ministry of Transport.

As mentioned in our brief discussion, I am requesting access to reports that have been completed for the following areas:

1. Rotational Slope Failure slide reports 1984 (at no post barriers 1.0 km east of Heartland Ranch).
2. Geotechnical reports (ongoing) for the hairpin turn highway 33.
3. Geotechnical reports from hairpin turn following washout there in 2017.
4. Geotechnical reports for the area on Hwy 33, just 600 metres west of rotational slope failure, washout on highway 33, 2018.
5. Geotechnical reports for the highway 33 washout below Philpott Road, 2019.

This request is being made on behalf of the Joe Rich Forestry, Trails and Watershed Committee.^{s.22}
^{s.22} and have been involved in different committees related to watershed and slope stability. In light of the many washouts we have experience in recent years, we are receiving numerous questions from the local community regarding slope stability here in Joe Rich. Beings.^{s.22} I too am very concerned at how often these hydrology/slope stability events are happening in our region.

I would very much appreciate access to these reports as soon as possible. I am well aware that other avenues can be used such as the Freedom of Information Act; however, for the sake of everyone involved, our committee is hoping we will receive this information directly from Ministry of Transport in Kelowna. In fact, I would be more than happy to come to your office to receive them at your convenience, personally.

Thank you for advising on how to get this information expediently. Our committee is keenly interested in viewing these reports as they will no doubt help us to understand the geological forces at work in our own community.

Sincerely,

^{s.22}
Joe Rich Resident

^{s.22}

From: [Lain, Scott TRAN:EX](#)
To: [Mitchell, Allan J TRAN:EX](#)
Cc: [Kneale, Tom TRAN:EX](#)
Subject: Proposed Gravel Pit
Date: June 21, 2021 11:54:00 AM
Attachments: [Westridge Quarries application.pdf](#)

Hi Alan,

As you may know there is a proposal for a new gravel pit off of Hwy 33. I have discussed this with Tom Kneale as well and we just want to make sure we are looking at any potential impacts to our highway system. Could you have a look and let me know if you have any concerns?

Thanks

SCOTT LAIN
KELOWNA AREA MANAGER - ROADS
MINISTRY OF TRANSPORTATION AND INFRASTRUCTURE
OFFICE 250-712-3668
CELL 250-212-4896



Notice of Work

Joe Rich Quarry

Tracking Number: 100332743

Applicant Information

If approved, will the authorization be issued to an Individual or Company/Organization? Company/Organization
What is your relationship to the company/organization? Agent

APPLICANT COMPANY/ORGANIZATION CONTACT INFORMATION

Applicant is an Individual or an Organization to whom this authorization Permit / Tenure / Licence will be issued, if approved.

Name: Joe Rich Properties Ltd.
Doing Business As:
Phone: 250-546-8800
Fax: 250-546-6008
Email: trevor@westridgerock.com
BC Incorporation Number:
Extra Provincial Inc. No:
Society Number:
GST Registration Number:
Contact Name: Trevor Isaac
Mailing Address: 101 L & A Crossing Road
Vernon BC V1B 3S1

AGENT INFORMATION

Please enter the contact information of the Individual/Organization who is acting on behalf of the applicant.

Name: Richard Paul Adams
Phone: 250-319-3387
Daytime Phone:
Fax:
Email: flyfisher999@hotmail.com
Mailing Address: 48-1575 Springhill Drive
Kamloops BC V2E 2P9

Letter(s) Attached: Yes (JOE RICH QUARRY AUTHORIZATION OF AGENT.pdf)

TECHNICAL INFORMATION

APPLICATION INFORMATION

Type of Notice of Work: Quarry - Construction Aggregate
Is this a New Permit or an Amendment to an existing permit for this property? New Permit

MINE INFORMATION

Do you have an existing mine number? No
Name of the property: Joe Rich Quarry
Tenure Numbers:
Crown Grant / District Lot Numbers: Lot 1 Sections 10 11 14 and 15 Township 27 Osoyoos Division Yale District Plan 38841
Parcel ID: 008-801-266
Directions to site from nearest municipality: From Highway 97/Highway 33 junction, travel east on Highway 33 for 13.5 km, turn left onto Daves Road, go 30 m, and make an immediate right and follow the road for about 0.8 km to the mine site.

Geographic Coordinates of Mine: Latitude: 49.8590410 Longitude: -119.2665100
Maximum Annual Tonnage Extracted: 245000 tonnes

INFORMATION ABOUT PROPOSED ACTIVITIES

Activities to be undertaken: Access roads, trails, heli pads, air strips and boat ramps
Blasting
Camps, Bldgs, Staging Areas and/or Fuel / Lubricants Storage
Sand & Gravel / Quarry Operations
Settling Ponds
Water Supply

FIRST AID

Proposed First Aid equipment on site: Level 2 first aid kit, a stretcher and an epinephrine auto injector. Consistent and continuous communication capabilities.
Level of First Aid Certificate held by attendant: Occupational First Aid Level 1 with Transportation Endorsement

DESCRIPTION OF WORK PROGRAM

If you prefer to upload a document, please enter "see attached document" and attach the document in the "Document Upload" step later in the application under "Other".

Sufficient details of your work program to enable a good understanding of the types and scope of the activities that will be conducted:

Please see attached document: JOE RICH QUARRY 5 YEAR MINE PLAN.docx which was loaded into the application along with the maps.

TIME OF PROPOSED ACTIVITIES

Proposed start and end date: May 1, 2021 to Apr 30, 2026

Please remember that you need to give 10 days notice to the Inspector of Mines of your intention to start work, and 7 days notice of your intention to stop work.

ACCESS

Access presently gated: Yes

PRESENT STATE OF LAND

Please identify what the present state of the land is where you would like to undertake your activities. If some of the questions do not apply to you please enter n/a in the space provided.

Present condition of the land: Undeveloped land zoned Rural Acreage by the Regional District of Central Okanagan. Open forest and grassland with much of the property impacted by a recent forest fire.

Type of vegetation: The property is located within the Okanagan Very Dry Hot Interior Douglas Fir biogeoclimatic variant (IDFxh1) and comprises of mature dry Douglas-fir/ponderosa pine forest, burnt forest and grassland. Extensive invasive species are present in the open grassland areas and these noxious weeds have degraded the grazing and wildlife habitat capability of the site.

Physiography: Cliff and bedrock outcrops are interspersed with grasslands, burned forest and a mature conifer forest. The site is mostly south aspect with thin soils and shallow bedrock. An environmental overview assessment of the site on October 6, 2020 identified the potential for snake and bat habitat in the rock bluffs and cliffs located in the northern third of the property. That area was removed from the planned mine footprint. While mapping shows a stream traversing the property, Associated Environmental has confirmed there area no watercourses or streams located on the property when they conducted their environmental overview assessment on October 6, 2020.

Current means of access: Access is from Highway 33 east of Kelowna, then Daves Road to the north property boundary, and then an existing gravel road onto the property.

Old equipment: None.
Recreational trails / use: None

ACCESS TO TENURE

Do you need to build a road, create stream crossings or other surface disturbance that will not be on your tenure? Yes

Required access authorizations in place: No

Please note that you may require a Special Use Permit, a Road Use Permit, a Road Use Agreement, etc..

Type and authorization number: Approximately 75m of the length of the mine haul road is located outside of the property boundary, and is located on the unconstructed Daves Road allowance already dedicated by MOTI for site access to this property. There is an existing gravel road located there that will need to be upgraded to an 8.4 m wide mine haul road plus berm. We expect this will be authorized by MOTI under their Industrial Access Permit authorization process and will not require a Licence of Occupation from MFLNRO Lands.

LAND OWNERSHIP

Application area in a community watershed: No

Proposed activities on private land: Yes

Please note that under Section 19 of the Mineral Tenure Act and Section 2.1 of the Mineral Tenure Act Regulation you must not begin any mining activities until 8 days after giving notice to every owner of the surface area on which the recorded holder intends to carry out that activity.

Please attach a copy of the letter of authorization signed by the landowner. The document can be uploaded at the "Document Upload" step later in the application process.

Legal description of land: Lot 1 Sections 10 11 14 and 15 Township 27 Osoyoos Division Yale District
Plan 38841 Parcel ID: 008-801-266
No authorization letter is required as the applicant is the landowner. An Agent authorization has been provided.

Proposed activities on Crown land: No

Activities in a park: No

CULTURAL HERITAGE RESOURCES

Cultural Heritage applies to a large spectrum of heritage resources that is defined as "an object, a site or the location of a traditional societal practice that is of historical, cultural or archaeological significance to British Columbia, a community or an aboriginal people."

The Archaeology Branch of the Ministry of Forests, Land and Natural Resource Operations is responsible for the administration of the Heritage Conservation Act as it applies to archaeological sites. The Archaeology Branch has developed guidelines for companies engaged in natural resource extraction to aid in planning for and avoiding or managing impacts to protected archaeological sites.

Are you aware of any protected archaeological sites that may be affected by the proposed project? No

FIRST NATIONS ENGAGEMENT

In making decisions on authorizations, the government will be fulfilling its responsibility to consult, and where appropriate, accommodate First Nations. The government takes this responsibility seriously and encourages the applicant to engage First Nations early and often as part of any planned development.

Establishing good relations with First Nations who might be affected by a proposed development is a key part of any successful mining operation. The Ministry of Energy and Mines encourages applicants to engage and information share with First Nations that might be affected by a proposed development prior to submitting an application. The earlier in the life of a proposed activity that the avenues of communication are established the greater the likelihood that the relationships formed will be constructive and beneficial to all parties. A lack of information sharing and engagement by the applicant may result in extended timeframes for decision.

Applicants should keep a detailed record of information sharing and engagement with First Nations on their project in the event the government needs to review it. Information on First Nations information sharing and engagement should include the following: a list of First Nations contacted, whether the activity was modified based on feedback from First Nations, and whether the applicant has entered into any informal or formal agreements with First Nations in connection with the project.

The Consultative Areas Database Public Map Service is an online, interactive mapping tool that allows you to identify First Nations who have treaty rights or asserted or proven rights or title on the land base. More information can be found at <http://maps.gov.bc.ca/ess/sv/cadb/>.

Have you shared information and engaged with First Nations in the area of the proposed activity? Yes

Please tell us about your engagements in the field below or attach a your record of engagement by uploading it at the "Document Upload" step later in the application process. If you are attaching your record later, please enter in the text box "See record attached". Please ensure your record does not contain an individual's personal information such as contact information.

Describe your First Nations engagement activities:

The Joe Rich Quarry is located within the Westbank First Nation (WFN) Governance Area. The applicant (at that time Westridge Quarries Ltd.) initiated contact with WFN on 2020/10/13 prior to preparing or submitting their Mines Act permit application. WFN provided the applicant a copy of the WFN Crown Land Referrals Directive that same day. On 2020-10-21, the applicant made application to WFN providing information in accordance with their directive. WFN confirmed receipt of application on 2020-10-26 and advised the application would need to go to Chief and Council for review. On 2020-11-10, the applicant inquired whether WFN would require field archaeological work on the site, and WFN advised the application must first be reviewed at the 2020-11-30 Chief and Council meeting. On 2020-11-19, WFN provided the applicant an Archaeological Service Agreement and cost estimate for archaeological field work on the Joe Rich Quarry site. On 2020-11-20, the applicant provided the signed service agreement to WFN, and on 2020-11-23 WFN provided the counter-signed service agreement to the applicant. On 2020-11-25, WFN's archeologist traversed the 40 year mine footprint of the Joe Rich Quarry to conducted an Archaeology Preliminary Field Reconnaissance. The archaeologist communicated verbally to a representative of the applicant that there were no issues with the Joe Rich Quarry site. The applicant inquired with WFN on 2020-12-10 as to when they could expect the archaeologist's report. The applicant understands WFN was quite busy with late season field work just prior to winter snowfall setting in.

As a result of the engagement, are you aware of any cultural heritage resources in the area where the work is proposed?

No

BLASTING

MAPS

Please mark the location(s) of the proposed magazine(s) on the map. Unless this is an area based application also mark the proposed locations of the blast site(s) on the map. The maps will be uploaded at the document upload step later in the application process.

ACTIVITIES WHERE BLASTING WILL TAKE PLACE

Please select the activities to which blasting is related: Sand & Gravel / Quarry Operations

ON SITE STORAGE OF EXPLOSIVES

Are you proposing to store explosives on site?

No

Describe how you will get the explosives to the site:

Explosives will be trucked to site by the blasting contractor on an as needed basis only, and not stored on site.

ADDITIONAL INFORMATION

Only a person with a valid certificate granted under Section 8.2.1 of the Code is permitted to conduct a blasting operation.

CAMPS, BUILDINGS, STAGING AREAS AND FUEL / LUBRICANTS STORAGE

This section covers the construction of new camps and/or buildings as well as the storage of fuel/lubricants on the exploration/mine site.

The construction and operation of industrial camps (where more than five people will be accommodated) are regulated under the Health Act and its supporting regulations. Permits may be required for different aspects of camp operation. Contact the nearest Regional Health Authority to determine which requirements will apply to your camp.

You must also contact the BC Safety Authority and WorkSafe BC. For more information regarding Industrial Camp Regulation please see <http://www2.gov.bc.ca/gov/content/health/keeping-bc-healthy-safe/industrial-camps>.

If water for camp operations is withdrawn from either a surface water or groundwater source, a licence or an approval may be required under the Water Sustainability Act. For further information please contact FrontCounter BC.

MAPS

If known, mark the locations of camps, buildings and fuel storage on the maps, show the distance of activity from known streams, wetlands or lakes on the map.

You will upload the maps at the document upload step later in the application process.

If locations are not determined you must provide a location map with your start up notification at least 10 days prior to start-up. Camps, buildings and fuel storage must comply with riparian setbacks as set out in Section 9 of the Code and the guidance provided in the Handbook for Mineral & Coal Exploration.

CAMPS

Click on the "Add Camp" button to add a camp. If you have multiple camps please give each camp a distinctive name like Camp 1 which you can reference on the maps you submit with your application.

BUILDINGS

Click on the "Add Building" button to add a building. If you have multiple building please give each building a distinctive and descriptive name like "Shop" or "Storage 1" which you can reference on the maps and drawings you submit with your application. Please note that all buildings must adhere to the following Codes, BC Building Code, BC Fire Code and CSA Standard M421-00 "Use of Electricity in Mines in conjunction with the Canadian Electrical Code. All plans must be submitted at least 60 days prior to the proposed start of construction to the Inspector. The Inspector will advise if additional documents are required.

Name		Disturbed Area (ha)	Merchantable timber volume (m ³)
Mobile scale shack and weigh scale		0.00	0.00
Purpose of the building:	Weigh outgoing trucks carrying product to ensure highway load limits are not exceeded.		
Structure and dimensions:	"Atco" type trailer and weigh scale with a temporary combined footprint in any location of approximately 10m x 20 m. Scale shack and weigh scale location may change as mine footprint expands. Scale shack and weigh scale disturbance area is include within the footprint of the mining area.		
Total:		0.00	0.00

STAGING AREA

Click on the "Add Staging Area" button to add a staging area. If you have multiple staging areas please give each staging area a distinctive and descriptive name like "Area 1" or "Area 2" which you can reference on the maps and drawings you submit with your application.

FUEL / LUBRICANT STORAGE

If you are planning to handle, transport or store fuel and/or lubricants you must adhere to B.C. Environmental standards as detailed in "Summary of Environmental Standards and Guidelines for Fuel Handling, Transportation and Storage".

Do you propose to store fuel / lubricants on site? No

RECLAMATION PROGRAM

Describe the proposed reclamation and timing for this specific activity:

No fuel will be stored onsite. Overnight fueling services will be used. Fueling will occur at the processing site. A spill kit will be maintained onsite. The mobile shack and weigh scale will be located within the footprint of the excavated mine area, and do not represent an additional disturbance area.

Estimated cost of reclamation activities described above:

\$0.00

ACCESS ROADS, TRAILS, HELI PADS, AIR STRIPS AND BOAT RAMPS

MAPS

Mark the locations of the proposed access roads and trails on the map. The maps will be uploaded at the document upload step later in the application.

ACTIVITIES

Click on the "Add Activity" button to add one or more activities. Select your activity out of the list and enter the length in km, the total disturbed area and total merchantable timber volume.

Activity	Length (km)	Disturbed Area (ha)	Merchantable timber volume (m³)
Existing Access Modification	0.78	0.78	0.00
Temporary Road - New	0.33	0.01	0.00
Total:	1.11	0.79	0.00

BRIDGES, CULVERTS AND CROSSINGS

Are you proposing any bridges, culverts and/or other river / stream crossings? No

RECLAMATION PROGRAM

Describe the proposed reclamation and timing for this specific activity:

Access involves a 10m wide (8.4m wide travel surface + 1.6m wide berm) mine haul road and split road, and a 6m wide upper north access road for pickup and rock drill access. The mine haul road is 554m long, with 75m located on the unconstructed Daves Road Allowance already dedicated by MOTI for site access to this property northwest of the property - on an existing gravel road which will require upgrading. The other 479m of mine haul road is located on the property. The split road is 221m long and the road is located completely on the property. The 40 year mine plan will later encompass all of the mine haul road and split road, other than the 75 m of mine haul road located off of the property. A portion of the split road is located on the benches that will not be reclaimed. The remainder of the split road is located on the 805m bench area of the 40 year mine plan which will be reclaimed. The mine haul

Estimated cost of reclamation activities described above:

road will not be reclaimed as it will serve to access the residential properties once mining is completed. The 6m wide upper north access road is located on benches which will not be reclaimed.
\$0.00

ADDITIONAL INFORMATION

Please note that you may require a Special Use Permit under the Forest Practices Code of British Columbia Act or a Land Act tenure or other authorization under the legislation to use roads to access your tenure.

For further information please contact FrontCounter BC.

SAND & GRAVEL / QUARRY OPERATIONS

MAPS

All plans and sections must indicate the scale and orientation of the drawing and must include:

1) Plan View of Proposed Development illustrating:

- Property boundaries and set back of excavation from property boundary
- Watercourses and drainage (wet, dry or intermittent) on the property and within 150 metres of its boundaries
- All previous surface workings, the final boundaries of proposed excavation, and boundaries of excavation at the end of development described in the Notice of Work
- Access roads, including development roads within the pit and access to the public roads
- All proposed and existing stockpiles (topsoil, overburden, product etc.)
- All settling ponds (for both surface run off and process water) and source of process water
- Buildings and other facilities (fuel/lubricant storage, sanitary facilities, weigh scale, etc.)
- Sediment control structures and the location of any point discharges from the property
- Fencing, berms and/or vegetative buffers.

2) Cross and longitudinal sections of Proposed Development illustrating:

- The original land surface and, if applicable, the groundwater table elevation
- Typical configuration during mining, indicating angle of slope and, where applicable, bench locations
- Proposed configuration on completion of reclamation

3) A copy of the land title/crown land tenure map must be provided.

SOIL CONSERVATION

Average depth of overburden:	0.20 m
Average depth of topsoil:	0.10 m
Measures to stabilize soil overburden stockpiles and control noxious weeds:	Create linear berms of overburden and topsoil with slopes at angle of repose and seeded with an appropriate range seed mixture to minimize erosion and prevent establishment of noxious weeds.

LAND USE

Is the site within the Agricultural Land Reserve?	No
Does the local government have a Soil Removal Bylaw?	No
Official Community Plan for the site:	Joe Rich Rural Land Use Bylaw
Current land use zoning for the site:	Rural Acreage
Proposed end land use is:	Rural Acreage with Residential Dwellings as allowed under current zoning.
Estimate total minable reserves over the life of the mine:	11,432,816 tonnes
Estimate annual extraction from site:	245,000

Application must be made to the Environmental Assessment Office if estimated extraction for sand/gravel production is 500,000 tonnes/year or 1,000,000 tonnes over 4 years; or if estimated extraction is 250,000 tonnes/year for quarried product.

ACTIVITIES

Click on the "Add Activity" button to add one or more activities. Select your activity out of the list and enter the tonnes, the total disturbed area and the total merchantable timber volume.

Please note that you must notify the Inspector at least two weeks before if you are planning to bring a crusher on site.

Activity	Total Disturbed Area (ha)	Merchantable timber volume (m³)
Crushing	0.00	0.00
Excavation of Pit Run	3.39	0.00
Mechanical Screening	0.00	0.00
Total:	3.39	0.00
Is the work year round or only seasonal?	Year round	
Brief description of operation, including proposed work schedule:	Excavation, loading and hauling will take place year round. Drilling, blasting, crushing and screening will occur year round but intermittently, not continuously. Proposed restrictions on hours of operations include: 1. intermittent drilling, blasting, crushing and screening operations throughout the year, and limited to 7 am to 6 pm Monday to Friday; 2. loading and hauling operations as above, but also on Saturdays to serve local demand and critical projects such as flood protection; and 3. no operations on Sundays and statutory holidays other than equipment repairs and maintenance.	

RECLAMATION PROGRAM

Describe the proposed reclamation and timing for this specific activity:	5 year mine plan development is commencing in the lower, south center of the property to maximize distance from neighbors initially, and to mitigate noise, aesthetic, and other impacts. Due to this initial mine design, and progression of mine development from the 5 year mine plan to the 40 year mine plan, the 40 year mine plan disturbance will incorporate all of the 5 year mine plan disturbance area. Pit walls and benches will continue to push back and the pit floor will be lowered from the 825m bench to the ultimate 805m bench. Therefore, there is no immediate opportunity to reclaim the 5 year mine plan as the area will continue to be disturbed and expanded.
If backfilling of pits or pit slopes is proposed in the final configuration for reclamation, details of materials to be used and placement procedures:	No backfilling of pits or pit slopes will be required. It is not practicable to reclaim the pit walls and benches. As the pit walls and benches weather and some rockfall starts to occur from the pit walls onto benches, that area should start to resemble the natural rock bluffs on the landscape above. As fines start to accumulate in cracks and crevices from weathering action, natural species are expected to seed in, and the area will provide some habitat values for the species that frequent the natural rock bluffs above. Overburden and topsoil will be spread over the 40 year mine plan pit floor to reclaim it to Rural Acreage for forage or agriculture, and residential dwellings as allowed under the land use zoning. The 5 year mine plan pit floor will not be reclaimed as it will continue to be further disturbed as mining progresses.
Estimated cost of reclamation activities described above:	\$0.00
Will progressive reclamation be carried out?	No

GROUNDWATER PROTECTION

Average depth to the high groundwater table at the proposed excavation:	27.0 m
Elevation of the groundwater table was determined from:	<input type="checkbox"/> Existing area wells

- ☐ Test pits
- ☐ Test wells drilled for this purpose
- ☒ Other: ARD test holes were drilled down 25m from ground elevation 823m and 863m. Both holes were dry and intercepted no groundwater, indicating the groundwater table is lower than 798m.

Measures proposed to protect groundwater from potential impacts of the proposed mining activity:

Existing groundwater well data was unreliable (no ground elevations recorded, some with no static water levels, and inaccurate or approximated lats/longs). Therefore, ARD test hole results from the property were used to indicate 5 year mine plan operations should be well buffered from the groundwater table. 25m deep holes drilled from the 863m and 823m elevation both came up dry with no intersection of groundwater and indicate the groundwater table is lower than 798m elevation - below both the 5 year mine plan 825m elevation quarry floor and the 40 year mine plan 805m elevation quarry floor. This should leave at least a 27m bedrock buffer above groundwater for the 5 year mine plan quarry floor. Additional measures to protect groundwater include: no fuel storage on site; spill kits maintained for fueling operations; and no explosives stored on site.

IMPACT MINIMIZATION

Shortest distance between proposed excavation to nearest residence: 260 m

Shortest distance between proposed excavation to nearest residential water source: 300 m

Measures proposed to prevent inadvertent access of unauthorized persons to the mine site:

The 5 year mine plan footprint is located well within the property boundary and at least 70m from the closest neighboring property. Neighbors will be made aware of the proposed quarry operation through the application advertising requirements and any subsequent blasting notification procedures. However, fencing and warning signs if fencing is considered necessary by an Inspector under 6.24.1 of the Code.

Measures proposed to minimize noise impacts of the operation:

Vegetation, overburden and topsoil will only be stripped from the property to the extent necessary to accommodate the 5 year mine plan. Remaining vegetation will help suppress noise from the operation. The 5 year mine plan is commencing in the lower, southern, center of the property, serving to maximize distance from neighbors to the west, north and east of the property, and therefore diminish noise. As mining progresses into the hillside and the pit deepens, the pit walls will serve to deflect and diminish noise from crushing, screening, drilling and blasting operations. A seeded, 100m long noise reduction berm is planned to mitigate noise impacts on neighbors located to the north of the property at the west end. Seeded topsoil and overburden berms are planned for portions of the property along Highway 33. Neighbors within 300m of the radius of the property will be notified a minimum of 24 hours prior to any proposed blast.

Proposed restrictions on hours of operations include:

1. intermittent drilling, blasting, crushing and screening operations throughout the year, and limited to 7 am to 6 pm Monday to Friday;
2. loading and hauling operations as in 1. above, but also on Saturdays to serve local demand and critical projects such as flood protection; and
3. no operations on Sundays and statutory holidays other than equipment repairs and maintenance.

Measures proposed to minimize the dust impacts of the operation:

Vegetation, overburden and topsoil will be stripped from the property only to the extent necessary to accommodate the 5 year mine plan. Leaving remaining areas vegetated will help suppress dust from the operation. Dust suppressants to be applied to roads. Water sprays to be used on dust generating points of the crushing and screening plants. Haul

Measures proposed to minimize visual impacts of the operation:

trucks to tarp their loads before leaving the property. Vegetation, overburden and topsoil will only be stripped from the property to the extent necessary to accommodate the 5 year mine plan. Remaining vegetation will form an aesthetic screen. A seeded, 100m long berm will serve as an aesthetic screen for neighbors located to the north of the property at the west end. Seeded topsoil and overburden berms are planned for portions of the property along Highway 33. As mining progresses back into the hillside, the operation's visibility to neighbors will be further reduced.

WATER SUPPLY

MAPS

Mark the locations of all proposed water intakes, settling ponds and/or sediment control structures on the appropriate maps.

SOURCE OF WATER

Click on the "Add Source" button to add one or more water sources.

Source	Activity	Water Use	Estimated Rate (m ³ /s)
Groundwater well	Mining - Aggregate	Dust suppression on roads, crusher, and screening plant. Washroom facilities.	0.10

Pump size in water (inches): 4

Location of water intake: TBD. Need to make application.

Please clearly mark the locations of all water intakes on the maps uploaded in Step 6 - Document Upload.

Total: 0.10

SETTLING PONDS

The Inspector may require a seismic design for ponds above grade.

Describe the waste water treatment facility (settling pond design, recycling, distance from creek, etc.):

These ponds are identified as a contingency plan in the event that this dry site does generate enough surface run off to require settling ponds to intercept any turbid water. Ponds will be excavated with a dyke on the downhill side and lined with a semi-permeable material.

ACTIVITIES

Click on the "Add Activity" button to add one or more proposed settling pond.

Pond ID	Width (m)	Length (m)	Depth (m)	Total disturbed area (ha)	Total merchantable timber volume (m ³)
East	90	30	2	0.27	0
Water Source: surface run off - contingency only					
Construction Method: Excavated and dyked					
West	30	80	2	0.24	0
Water Source: surface runoff- contingency only					
Construction Method: excavated and dyked					

Disposal of fines from clean out (i.e. use as a subsoil material): Cleaned out fines will be added to the overburden stockpile to be later used in reclamation. Water from the ponds will be recycled and used in dust suppression on site and/or exfiltrate to ground.

Water from ponds will be: Recycled: Yes

Exfiltrated to Ground:	Yes
Discharged to Environment:	No

RECLAMATION PROGRAM

Describe the proposed reclamation and timing for this specific activity:

Pull back the dyke materials into the pond and fill the remainder with previously excavated materials. Recontour to the original slope and seed with an appropriate mix for erosion protection and weed control.

Estimated cost of reclamation activities described above:

\$5,000.00

TIMBER CUTTING

Total merchantable timber volume: 0.00 m3

No Timber

You have indicated that there is no merchantable timber that will be cut. Therefore a Free Use Permit or a Licence to Cut is not required. If this is not accurate, please correct your entries.

EQUIPMENT

Click on the "Add Equipment" button to add one type of equipment at a time. All equipment must comply with the requirements of the Health, Safety and Reclamation Code.

Quantity	Type	Size / Capacity
1	Bulldozer/Crawler Tractors	Cat D9
2	Crusher	Jaw crusher 36-48 inch, cone crusher 8-10 inch
1	Drill	2-5 inch holes
1	Excavator	29 tonne
1	Loader	Cat 988 5 cu m bucket
1	Other: Screening plant	2m x 7m, 250 tph
1	Truck	35 tonne

SUMMARY OF RECLAMATION

Based on the information you have provided on the previous screens the Summary of Reclamation is:

Activity	Total Affected area (ha)	Estimated cost of reclamation (\$)
Access roads, trails, etc.	0.79	0.00
Sand & Gravel / Quarry	3.39	0.00
Settling Ponds	0.51	5,000.00
Subtotal:	4.69	5,000.00
Unreclaimed disturbance from previous year:	0.00	
Disturbance planned for reclamation this year:	0.00	
Total:	4.69	5,000.00

OTHER CONTACTS

Please enter the contacts that are applicable to your application.

Contact Info	Type of Contact
Name: Trevor Isaac	Mine manager
Phone: 250-550-7482	
Daytime Phone: 250-546-8800	
Fax:	
Email: trevor@westridgerock.com	
Mailing Address: 101 L&A Cross Road Vernon BC V1B 3S1	

Contact Info**Type of Contact**

Name: Joe Rich Properties Ltd.
Doing Business As:
Phone: 250-546-8800
Fax:
Email:
BC Inc. Number:
Extra Provincial Number:
Society Number:
GST Registration Number:
Contact Name: Trevor Isaac
Mailing Address: 101 L&A Cross Road
Vernon BC V1B 3S1

Permittee

Name: Joe Rich Properties Ltd.
Doing Business As:
Phone: 250-546-8800
Fax:
Email:
BC Inc. Number:
Extra Provincial Number:
Society Number:
GST Registration Number:
Contact Name: Trevor Isaac
Mailing Address: 101 L&A Cross Road
Vernon BC V1B 3S1

Tenure Holder

Name: Westridge Quarries Ltd.
Doing Business As:
Phone: 250-546-8800
Fax:
Email: trevor@westridgerock.com
BC Inc. Number:
Extra Provincial Number:
Society Number:
GST Registration Number:
Contact Name: Trevor Isaac
Mailing Address: 101 L&A Cross Road
Vernon BC V1B 3S1

Site operator

LOCATION INFORMATION**LAND DETAILS**

Do you have the legal description of the land or the civic address then click on 'Add Land Information'.

Description

Private Land
Parcel ID: 008-801-266
Legal Description: Lot 1 Sections 10 11 14 and 15 Township 27 Osoyoos Division Yale District Plan 38841

DRAWINGS

All applications must include the appropriate maps and applications received without maps will be returned. All maps must be in colour, computer generated, with a scale, north arrow and a detailed legend.

For Mineral, Coal and Placer applications you must provide a minimum of 3 maps:

- A Location Map which must show the location of the property in relation to the nearest community with the access route from the community to the work site clearly marked;
- A Tenure Map which must show the boundaries of the tenure(s) and tenure numbers, at a scale of 1:20,000 or less;
- A Map of Proposed Work which must show topography, water courses, existing access, existing disturbance, contour lines, known cultural heritage resources and/or protected heritage property, at a scale of 1:10,000 or 1:5,000. For site specific applications the location of all proposed exploration activities must be shown; for area-based applications the work area must be shown as a polygon, with the location of all proposed exploration activities for year 1 shown, and shape files provided of the area.

For Sand & Gravel/Quarry applications you must provide a Plan View, Cross and Longitudinal Sections and a Land Title/Crown Land Tenure Map. Details of these requirements are listed in the Sand & Gravel/Quarry Operations Activity sheet.

☒ I have one or more files (PDF, JPG, PNG etc.) with my maps

MAP FILES

Do you have a PDF or image file of a drawn map? You can upload it here.

Description	Filename
40 Year Mine Plan	JOE RICH QUARRY 40 YEAR MIN...
5 Year Mine Plan	JOE RICH QUARRY 5 YEAR MINE...
5 Year Mine Plan Text Description	JOE RICH QUARRY 5 YEAR MINE...
Adjacent GW Wells and Buildings	JOE RICH QUARRY ADJACENT BU...
Cross Section Plan View	JOE RICH QUARRY CROSS SECTI...
Cross Sections	JOE RICH QUARRY CROSS SECTI...
Location Map	JOE RICH QUARRY LOCATION-MA...

ATTACHED DOCUMENTS

Document Type	Description	Filename
Archaeological Chance Find Procedure	Arch Chance Find Procedure	JOE RICH QUARRY ACFP.docx
Blasting Procedure	Blasting Procedures	T & A ROCKWORKS BLASTING PR...
Mine Emergency Response Plan	Mine Emergency Response Plan	JOE RICH QUARRY MERP.docx
Other	ARD ML Assessment	JOE RICH QUARRY ARD-ML TEST...
Other	Env Overview Assessment	JOE RICH QUARRY ENVIRO OVER...
Other	Non Technical Addendum Placeholder	Non Technical Addendum.docx

PRIVACY DECLARATION

PRIVACY NOTE FOR THE COLLECTION, USE AND DISCLOSURE OF PERSONAL INFORMATION

Personal information is collected by FrontCounter BC under the legal authority of section 26 (c) and 27 (1)(a)(i) of the Freedom of Information and Protection of Privacy Act (the Act).

The collection, use, and disclosure of personal information is subject to the provisions of the Act. The personal information collected by FrontCounter BC will be used to process your inquiry or application(s). It may also be shared when strictly necessary with partner agencies that are also subject to the provisions of the Act. The personal information supplied in the application package may be used for referrals or notifications as required. Personal information may be used by FrontCounter BC for survey purposes.

For more information regarding the collection, use, and/or disclosure of your personal information by FrontCounter BC, please contact FrontCounter BC at 1-877-855-3222 or at:

FrontCounter BC Program Director
FrontCounter BC, Provincial Operation
441 Columbia Street
Kamloops, BC V2C 2T3

☒ Check here to indicate that you have read and agree to the privacy declaration stated above.

REFERRAL INFORMATION

Some applications may also be passed on to other agencies, ministries or other affected parties for referral or consultation purposes. A referral or notification is necessary when the approval of your application might affect someone else's rights or resources or those of the citizens of BC. An example of someone who could receive your application for referral purposes is a habitat officer who looks after the fish and wildlife in the area of your application. This does not apply to all applications and is done only when required.

Please enter contact information below for the person who would best answer questions about your application that may arise from anyone who received a referral or notification.

Company / Organization:	Joe Rich Properties Ltd.
Contact Name:	Trevor Isaac
Contact Address:	101 L & A Crossing Road Vernon BC V1B 3S1
Contact Phone:	250-546-8800
Contact Email:	trevor@westridgerock.com

☒ I hereby consent to the disclosure of the information contained in this application to other agencies, government ministries or other affected parties for referral or First Nation consultation purposes.

IMPORTANT NOTICES

- Once you click 'Next' the application will be locked down and you will NOT be able to edit it any more.

DECLARATION

☒ By submitting this application form, I, declare that the information contained on this form is complete and accurate.

APPLICATION AND ASSOCIATED FEES

Item	Amount	Taxes	Total	Outstanding Balance
Mines Notice of Work Application Fee	\$50,000.00		\$50,000.00	\$0.00

OFFICE

Office to submit application to: Kamloops

PROJECT INFORMATION

Is this application for an activity or project which Yes

requires more than one natural resource
authorization from the Province of BC?

What is the name of your project? Joe Rich Quarry

Please provide any of the following: reference
number(s), project number(s), tracking number(s), or
other descriptive information which would allow us
to group these applications together: AT# 100332743

APPLICANT SIGNATURE	
Applicant Signature	Date

OFFICE USE ONLY		
Office Kamloops	File Number	Project Number
	Disposition ID	Client Number

Page 250 of 258 to/à Page 254 of 258

Withheld pursuant to/removed as

Copyright

From: [Lain, Scott TRAN:EX](#)
To: [Michael Laws](#); [Joel Desaulniers](#); [Melan, Dustin TRAN:EX](#); [Kneale, Tom TRAN:EX](#); [Christine Kroad](#); [Unwin, Lyle TRAN:EX](#); [Hedderson, Brian TRAN:EX](#); [Sirett, Joanna TRAN:EX](#); [Freeman, Lindsey TRAN:EX](#)
Subject: RE: HWY33 - 8 Mile Bend
Date: June 3, 2021 11:23:21 AM
Attachments: [image002.png](#)

FLNRO is responding to residents concerns.

SCOTT LAIN
KELOWNA AREA MANAGER - ROADS
MINISTRY OF TRANSPORTATION AND INFRASTRUCTURE
OFFICE 250-712-3668
CELL 250-212-4896

From: Michael Laws <Michael.Laws@ecora.ca>
Sent: June 2, 2021 3:29 PM
To: Joel Desaulniers <joel@stitesco.ca>; Melan, Dustin TRAN:EX <Dustin.Melan@gov.bc.ca>; Kneale, Tom TRAN:EX <Tom.Kneale@gov.bc.ca>; Christine Kroad <christine@stitesco.ca>; Unwin, Lyle TRAN:EX <Lyle.Unwin@gov.bc.ca>; Hedderson, Brian TRAN:EX <Brian.Hedderson@gov.bc.ca>; Sirett, Joanna TRAN:EX <Joanna.Sirett@gov.bc.ca>; Lain, Scott TRAN:EX <Scott.Lain@gov.bc.ca>; Freeman, Lindsey TRAN:EX <Lindsey.Freeman@gov.bc.ca>
Subject: HWY33 - 8 Mile Bend

[EXTERNAL] This email came from an external source. Only open attachments or links that you are expecting from a known sender.

Hi 8 Mile bend team.

Westridge Quarries has just lodged an application (attached) with MEMM to develop a gravel pit just to the east of Daves Road in close proximity to our project.

The local community has started expressing concerns about this and has started posting signs in the area.

Cheers
Mike



Michael J. Laws, P.Eng.
Director of Engineering
Senior Geotechnical & Dam Safety Engineer
p: 250.469.9757 Ext 1045 m: 250.470.8808
w: www.ecora.ca

WE ARE MOVING!

Please update your records

Effective April 12.21 our new Kelowna head office address will be
200 - 2045 Enterprise Way, Kelowna, BC V1Y 9T5

The information contained in this e-mail is considered confidential information and is intended only for the use of the intended recipient. If the reader of this e-mail is not the intended recipient, you are hereby notified that any dissemination, distribution, or copying of this communication is strictly prohibited and unlawful. If you have received this e-mail in error, please notify the sender immediately, and delete this e-mail. Thank you.

From: [Mitchell, Allan J TRAN:EX](#)
To: [Kneale, Tom TRAN:EX](#); [Lain, Scott TRAN:EX](#)
Subject: RE: Proposed Gravel Pit
Date: June 22, 2021 3:22:56 PM

Hi folks,

Thanks for giving me a chance to provide comment, however, I'm not sure there is anything I could add to what you folks may provide.

Thanks,
Al

Al Mitchell

Aggregate Resource Manager

Ministry of Transportation and Infrastructure

Kamloops BC V2C 2T3

778-362-4505 off 250-851-1124 cel ***Please note new Office Number***

Al.mitchell@gov.bc.ca

From: Kneale, Tom TRAN:EX <Tom.Kneale@gov.bc.ca>
Sent: June 21, 2021 12:17
To: Lain, Scott TRAN:EX <Scott.Lain@gov.bc.ca>; Mitchell, Allan J TRAN:EX <Al.Mitchell@gov.bc.ca>
Subject: RE: Proposed Gravel Pit

Hi Al

Give me a shout if you would like to discuss further. I have a report conducted in 2000 by EBA (now TetraTech) on a geohazard assessment along the Hwy 33 corridor in that area. Ill be looking at that report and what is being proposed to see if we have any stability concerns with the gravel pit operations.

Tom

Tom Kneale, P.Eng.
Manager, Geohazards and Slope Stability Group
Ministry of Transportation and Infrastructure - Southern Interior Region
Geotechnical and Materials Engineering
447 Columbia Street Kamloops
Phone:778 362-4508 Cell:250-319-5291

From: Lain, Scott TRAN:EX <Scott.Lain@gov.bc.ca>
Sent: June 21, 2021 11:54 AM
To: Mitchell, Allan J TRAN:EX <Al.Mitchell@gov.bc.ca>

Cc: Kneale, Tom TRAN:EX <Tom.Kneale@gov.bc.ca>

Subject: Proposed Gravel Pit

Hi Alan,

As you may know there is a proposal for a new gravel pit off of Hwy 33. I have discussed this with Tom Kneale as well and we just want to make sure we are looking at any potential impacts to our highway system. Could you have a look and let me know if you have any concerns?

Thanks

SCOTT LAIN
KELOWNA AREA MANAGER - ROADS
MINISTRY OF TRANSPORTATION AND INFRASTRUCTURE
OFFICE 250-712-3668
CELL 250-212-4896