

# Ministry of Energy and Mines

Sand and Gravel/Quarry Operation Notice of Work and Reclamation Program

The information on this form and any supporting documents are subject to the Freedon collected and used for the purpose of administering the Mines Act & Health, Safety as	n of Information and Prote nd Reclamation Code for	ection of Privacy A	Act. The informa	tion requested	l on this form
also authorises the collection of the requested information on this form. The compliformation and Protection of Privacy Act applies to the information collected on (250) 952-0514; fax (250) 952-0739 or write to: PO Box 9325 Stn Prov Gov't Victoria	pleted form is routinely a	available to the by		FIFT	A STATE OF THE STA
(250) 952-0514; fax (250) 952-0739 or write to: PO Box 9325 Stn Prov Gov't, Victoria	a, British Columbia, V8W	9N3.		and Street	Jes Clic
Application is for: Sand and Gravel Mine	Rock Quarr	ry 2	FEE	3 1 1 20	010
This application is for (check one):  Development	Dermit #				
Application is being made by:	F611111(#		FrontC	Coun	terB(
Owner (Private property)					
Operator/Agent (Person or company making application	on Crown land or on	private propert	v not owned by	applicant)	
Name c/o AC Eagle Ltd.					
Company (if applicable) Joint Venture between the Westbank F					
		naulan Ayyı	gates inc		
707 Addition (1990)		Rue Dhor	ne <b>(250) 372</b> -	21/0	
City Kamloops Province BC Postal Code V1S 1J9			(250) 374-		
Province BC Postal Code V13 139		гах	(230) 314-	2123	
LOCATION INFORMATION Manager mondetons and are	abadula A				
LOCATION INFORMATION - Maps are mandatory under Si					
Name of Mine (What will the operation be called when in production	(B)				
JV between Westbank First Nation and Canadian Aggregates					
Legal Description of Property: Portion of DL 3542					
Street Address of Property, if applicable: n/a					
Access route from nearest town to property: Located approx. 27k	m north of Kolour	a on the Wes	teida Boad	and just s	outh
of the La Casa Resort (see Figure 1, 2, 3, 4 and 6a, 6b and 6c -					
B.C. Geographic System Map Sheet Number(s) [i.e. TRIM 093L.00					
Northing: <u>5553650</u> Easting: <u>320200</u>	30] <u>0022010</u>		LITM Zone		
or NTS Map Sheet Number(s) [i.e. NTS 093L/14E]:  Latitude:'/	Longitude:	0/	7	11	
OWNERSHIP (Complete a, b or c if the land is not privately	held by applicant)				
a) Proposed mine is on private land:	. 501			1 24 1	
Name of property owner Crown Land - please note that FrontCo					at the
same time as the Crown lease application. Detailed/expensive des					
Address Just South of L Casa Resort which is located at 6808 W					
City		. Phone (	80,000		
Province Postal Code		Fax (		7 47	
Signature of owner agreeing to the mining operation proposed in the	his application (or at	ttach letter of a	authorization	signed by	owner):
Name:		Date:_			
b) Proposed mine is on Crown land:					
Assets and Lands Corporation (BCAL) file reference number: From	tCounter BC reques	sted that this a	pplication be	submitted	at the
same time as the Crown Lease application was submitted					
License of Occupation/Lease number: ?	Expiry date	of Licence/Le	ease (y/m/d): '	?	
MANAGEMENT			_		
Correspondence regarding this application should be sent to:	Owner o	or 🛛 Opera	tor/Agent		
The mine manager ( <i>Mines Act</i> Sections 21 and 22) responsible for	<del></del>			э:	
Name: Tom MacKenzie			e: (250) <u>319</u>		
Hamo. Tom Macronzio		Duo. I HOH	J. (200) 010		



A		B	15	_
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Description of the second of t
Are you aware of any cultural heritage resources present on the property?  Yes - please attach a plan for the conservation of cultural heritage resources on the property  No - if cultural heritage resources are discovered while mining, you are required to report them to the Mining Division.  During the digging of site investigation permit test pits, a Wesbank First Nation Archaeologist was present.  Westbank will also be a partner in this operation.
2) Soil Conservation
Average depth of overburden (material, including topsoil, overlying sand, gravel and/or rock): cm, or m
Average depth of topsoil (Surface to maximum rooting depth of plants, plus 15 cm.): cm, or m
Measures to stabilize soil/overburden stockpiles and control noxious weeds: Topsoil stockpiles will be removed to non-
pperational areas of the site and bermed with side slopes less than 1:2. These stockpiles will be seeded with a native seed
nix agreed to with the Ministry of Environment representative
Topsoil must be conserved for reclamation of the mine site. Removal of topsoil from the site requires written approval of the Inspector
3) End Land Use
s the site within the Agricultural Land Reserve?
No Yes - authorization for soil removal from the Land Reserve Commission and Regional District must be
obtained. Provide permit application number if available:
s the site within the Forest Land Reserve?
No Yes - authorization from the Land Reserve Commission must be obtained
s the site within a Tree Farm Licence?  No Yes - state the TFL number:
Name of TFL holder:
Does the local government have a Soil Removal Bylaw?
No ☐ Yes - please be aware that a Soil Removal Permit may be required by the local government
Official Community Plan designation for the site is: Crown land – used for ATV recreation
Current land use zoning for the site is: No zoning
Proposed end land use is: Forest
4) Reclamation of Site (If space provided below is insufficient, please attach separate sheet describing proposed reclamation)
Reclamation measures and schedule proposed to achieve end land use objectives as per part 10.7.4 and 10.7.5 of the Health Safety
and Reclamation Code for Mines in British Columbia (hereafter referred to as the Code):
Shape/contour land to achieve aesthetics, minimum slopes, and erosion protection; spread top soils from stock piles
evenly; plant tree and grass species as per recommendation of botanical expert and approved by Ministry of Environment
If backfilling of pits or pit slopes is proposed in the final configuration for reclamation, provide details of materials to be used and
placement procedure: n/a
PEGELVED FEB 1.1 2010
FrontCounterBC



# MINE DEVELOPMENT PLAN (Maps are mandatory - please refer to Schedule A)

Unless otherwise required by the Inspector, complete the following mine development plan and prepare development maps and cross sections based on a period of 5 years or less. Mines operating for longer than 5 years, may be required to file updated Notices of Work every 5 years over the life of the mine at the discretion of the District Inspector.

updated Notices of Work every 5 years ov	er the me of the mine at the discretion of t	ne District mapector.			
Proposed start date (y/m/d): 2010/05/01 The mining operation will generally be (check	Proposed finish date (y/m/d): 2040/05/01 cone) Continuous (operates throughous	2 BBM 950 0000 MB			
	Seasonal, usually operates from to				
	Intermittent (occasionally operat	es with extended periods o	f inactivity)		
	e of the mine: 20 million tonnes, or 000 to 249,000 tonnes/yr, or		m³		
500,000 tonnes/yr. or 1,000,000 tonnes ov	mental Assessment Office if estimated ext er 4 years; or if estimated extraction is 250 g more than 1000 tonnes per year per clair	,000 tonnes/yr. for quarri			
Provide a brief description of operation, inclu	xes):    Washing - please complete School   Blasting - please complete School   Timber Clearing * - estimate volution   drequires a Free Use Permit or License to ding proposed work schedule (i.e. hours, days mes will be negotiated with local residents to	dule C ume of timber:663  Cut from the Ministry of laction of the control o			
school bus times).					
Equipment List: (Please attach separate l	ist if space provided below is insufficient)				
Type of Machine	Make/Model	Size/Capacity	# on Site		
Jaw Crusher	Cedar Rapids	24" x 48"	1		
Cone Crusher	Cedar Rapids	58"	1		
Screening Plant	EL Jay	6 - 6' x 20" 3D	1		
Stacker	Thorr	100'	1		
Loaders	CAT 988,980	7yd, 5yd	2		
Excavator	Volvo 210	2 tonnes	11		
Surface Disturbance - Information provid  (Note that 10,000 m <sup>2</sup> = 1  Existing Disturbance (Work areas, unreclail  Proposed Mining Disturbance (New work areas)  buildings, etc. to be developed within the	imed areas, access roads, etc.) areas, settling ponds, access roads,	m², or			
Total Disturbed Area (Existing + Propose			22_ hectares		
A PROPERTY OF THE SECOND SECON			1100(0100		
(4.1.7)	ned within the time frame of this Notice of Wo Yes - state size of area to be reclaimed:		4 hectares		
100	icant \$ 25,000 (will need to be confing Division \$	irmed in detailed design	anna a		
Are settling ponds or other structures propos  No Yes - plea  Note: Stock pile areas will be designed once	sed to control sedimentation in surface run off		1 2010		



# Ministry of Energy and Mines

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What is the average depth to the high groundwater table at the proposed excavation? Unknown - deep m  Elevation of the groundwater table was determined from (check applicable boxes):  Existing area wells Test wells drilled for this purpose Other (describe) in detailed design phase once Crown Lease granted  Describe measures proposed to protect groundwater quantity and quality from potential impacts of the proposed mining activity (i.e. fuel management program, buffer above water table, etc.): Fuel will be delivered daily by Manager's truck. All operations relatively clean with the exception of potential equipment fuel and oil leaks. Although this gravel deposit is not expected to have a groundwater table in the excavation zones (very porous gravel materials), a petroleum spill cleanup kit will be held on site at all times and immediate remediation of spills conducted if they occur.
Note that excavations below the groundwater table may require special approval from the Inspector
Will fuel/lubricants be stored on site?  No Yes  If yes, handling, transportation and storage must adhere to B.C. Environment standards as detailed in "Summary of Environmental Standards and Guidelines for Fuel Handling, Transportation and Storage, 2 <sup>nd</sup> edition"
Shortest distance between proposed excavation to nearest residence: 700 m, or km
Shortest distance between proposed excavation to nearest residential water source:m, orkm
Describe measures proposed to prevent inadvertent access of unauthorized persons on the mine site (i.e. fencing, vegetative barriers, berms, etc.): Gates at entrance off main road. Signs will also be posted to limit access and liability as per the Mines Act.  Berms will be placed at strategic positions. Will work with the Ministry of Environment's Parks Section to control off road recreational traffic.
Are measures proposed to minimize noise impacts of the operation? (i.e. equipment selection, restrictions on hours of operation, noise barriers, etc.)  No  Yes - Please describe: Hours as noted above (out of peak traffic periods). The excavations are located in a large esker, hidden from view. The rise of land above the esker and tree cover will also limit views from across the lake as well as noise issues.
Are measures proposed to minimize dust impacts of the proposed operation? (i.e. apply dust suppressants, water sprays, wind
breaks, vegetation, etc.) No See Yes - Please describe: Apart from trees leaf capturing dust, water will be
sprayed on the jaw crusher. A dust suppressant will be sprayed on the haul road down to Westside Road
Are measures proposed to minimize visual impacts of the proposed operation? (i.e. vegetative barriers, berms, green belts, etc.)  No Section Yes - Please describe: maintain border tree cover on higher lying areas around the pits; topsoil berms will be strategically placed; 3D modeling conducted as part of the planning stage has shown that the visual impact from the opposite side of the lake will be minimal in comparison to the existing LaCasa development.
OCCUPATIONAL FIRST AID  First Aid Supplies and communication at the mine site are required as per Parts 3.6.1 to 3.6.3 of the Code.
Describe the means of communication from the mine site: Operators will have cellphones. Land lines are available at LaCasa approx 1,200m from the site by road  Location of nearest hospital: Kelowna  Travel time to hospital: 20 minutes Estimated number of employees on site (includes contractors): 2 plus truck drivers  Describe First Aid Level and supplies Both personnel will all be trained in First Aid. Medical supplies will be kept on site and up to
date. Daily safety briefings will be held.
I, TELEMY COCKE, As AN AGENT, hereby make application to undertake the mining activities described in this Notice, and in accordance with the Mines Act and the Health, Safety and Reclamation Code for Mines in British Columbia 2010
Applicant Signature How Formand Date To February 2010.  Front Counter BC

The following maps are attached:

Schedule A1 (compulsory):

Location map (1:50,000 scale)

Schedule A2 (compulsory):

Local Features map (1:20,000 scale - TRIM map)

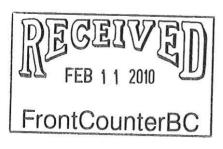
Schedule A3 (compulsory):

Land Title map

Schedule A6 (compulsory):

Mine Development Plan at 1:5,000 or more detailed scale

There will be no washing of aggregates (Schedule B) or blasting (Schedule C).



Revised: 06/24/03



# WESTBANK FIRST NATION

Suite 301-515 Highway 97 South, Kelowna, B.C. V1Z 3J2 Telephone: (250) 769-2440 – Fax: (250) 769-2036

August 26, 2008

FrontCounter BC
Suite 210, 310 Victoria Street
Kamloops, BC V2C 2A3

To Whom It May Concern

LETTER OF AGENCY: WESTSIDE ROAD NORTH GRAVEL QUARRIES, KELOWNA, BC

We hereby appoint AC Eagle Enterprises Ltd. (JC Cooke, PEng) of 1425 Pearson Place, Kamloops, BC, V1S 1J9 to represent the WestBank First Nation (WFN) and Canadian Aggregates (CAI) in applying for Crown Land Tenure (Gravel Quarry Lease).

This forms part of a joint venture partnership with Canadian Aggregates Inc.

AC Eagle Ltd. will assist the WFN and CAI in obtaining Crown land tenure for the two proposed aggregate quarries located approximately 27km north of the Kelowna-Westbank Bridge on the Westside Road.

The term of appointment will extend until the point at which the Crown Lease document is issued.

As per the attached application our contact details are as follows:

Raf De Guevara

#301 - 515 Highway 97 South, Kelowna, BC V1Z 3J2

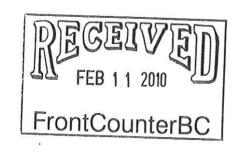
Tel (250) 769-2440

Raf De Guevara

Sincerely

Manager: Intergovernmental Affairs

Westbank First Nation



# CANADIAN AGGREGATES INC.

1795 Versatile Drive Kamloops, B.C. V1S 1C5 Phone 250-374-2447; Fax 250-828-0029 (office)

August 19, 2008

FrontCounter BC Suite 210, 310 Victoria Street Kamloops, BC V2C 2A3

**To Whom It May Concern** 

#### LETTER OF AGENCY: WESTSIDE ROAD NORTH GRAVEL QUARRIES, KELOWNA, BC

We hereby appoint AC Eagle Enterprises Ltd. (JC Cooke, PEng) of 1425 Pearson Place, Kamloops, BC, V1S 1J9 to represent Canadian Aggregates Inc. (CAI) and the Westbank First Nation (WFN) in applying for Crown Land Tenure (Gravel Quarry Lease).

This forms part of a joint venture partnership with the Westbank First Nation.

AC Eagle Ltd. will assist the CAI and WFN in obtaining Crown land tenure for the two proposed aggregate quarries located approximately 27km north of the Kelowna-Westbank Bridge on the Westside Road.

The term of appointment will extend until the point at which the Crown Lease document is issued.

As per the attached application our contact details are as follows:

**DA Taylor** 

1795 Versatile Drive, Kamloops, BC V1S 1C5

Tel (250) 374-2447

Sincerely,

DA Taylor President

PECETVED FEB 1.1 2010 FrontCounterBC

# 1

#### NO. IC012309-05

#### THE CHIEF AND COUNCIL OF WESTBANK FIRST NATION

#### DATED THIS 23rd DAY OF January, 2009

The undersigned Chief and Councillors of Westbank First Nation do hereby certify that the following is a resolution that was duly moved, seconded and approved by a majority of the Council at a duly convened meeting held at the administration offices of the band at 515 Highway 97 South, Tsinstikeptum Indian Reserve No. 10, Kelowna, B.C.

#### WHEREAS:

- A. Westbank First Nation asserts Territorial ownership of the Fintry area, located approximately 27 kilometres north of the William R. Bennett Bridge along Westside Road ("the site");
- B. Canadian Aggregates Inc. has a claim on the mineral tenure over a portion of this area and has entered into a Joint Venture with Westbank First Nation to extract commercial aggregate materials from various pits to be constructed in future;
- C. Westbank First Nation and Canadian Aggregates are applying for Crown Lease Tenure over an approximately 50 hectares portion of this area.

#### BE IT HEREBY RESOLVED AND AGREED THAT:

Westbank First Nation Chief and Council support an application for Crown Lease Tenure ("the application") over approximately 50 hectares of the site and authorize Chief Robert Louie to sign the application on behalf of Westbank First Nation. Chief and Council also authorize the ability of Westbank First Nation to enter a tenure arrangement if the Province of British Columbia approves this tenure lease in the future.

Chief Robert Louie

FEB 1.1 2010

FrontCounterBC

Councillor Larry Derrickson

Absent from Meeting Councillor Brian Eli

Councillor Mike De Guevara

Absent from Meeting



# **Ministry of Energy and Mines**

# INFORMATION REGARDING THE COMPLETION OF THE NOTICE OF WORK AND RECLAMATION PROGRAM FOR A SAND & GRAVEL/QUARRY OPERATION

The information on this form and any supporting documents are subject to the Freedom of Information and Protection of Privacy Act. The information requested on this form is collected and used for the purpose of administering the Mines Act & Health, Safety and Reclamation Code for Mines in British Columbia. The Mines Act of British Columbia also authorises the collection of the requested information on this form. The completed form is routinely available to the public. Questions about how the Freedom of Information and Protection of Privacy Act applies to the information collected on this form can be directed to the Information Access and Records Services Branch at (250) 952-0514: fax (250) 952-0739 or write to: PO Box 9325 Stn Prov Gov't. Victoria. British Columbia, V8W 9N3.

This form is to be filled out in **black ink**, either **typed** or **printed**.

This form is to be completed and signed by a company official or individual planning to commence operations for the extraction of sand and gravel and/or quarry materials; or planning to amend an existing operation; or providing an updated mining plan for an existing operation. Keep one copy and forward the original to the Inspector of the Regional Mining Operations office.

This form provides notice pursuant to Section 10 of the *Mines Act* and must be submitted to the Inspector for review and approval prior to commencement of work. This notice of work will be referred to other agencies for their comments and the applicant may be required to advertise and gazette his/her intention to open a sand and gravel pit and/or quarry.

The notice of work form must be accompanied by suitable maps, including detailed plans and sections of the proposed work area. Maps required are detailed in schedule A of this application.

The application will be returned if it is not accompanied by legible and suitable maps.

The applicant should attach all other approvals to the application, such as a Soil Removal Bylaw permit or Land Reserve Commission approval.

The applicant should allow for a 45 day review time in a standard situation, but a longer review time may be required in more sensitive sites.

Notices of work that are faxed to the Mining Operations office will be accepted. Please forward the six copies by mail.

#### **REGIONAL OFFICES**

Ministry of Energy and Mines Northwest Regional Office 3793 Alfred Avenue Bag 5000 Smithers, British Columbia V0J 2N0

Ph: (250) 847-7383 Fax: (250) 847-7603

Ministry of Energy and Mines Northeast Regional Office 2275A Quinn Street Prince George, British Columbia V2N 2X4 Ph: (250) 561-5600

Ph: (250) 561-5600 Fax: (250) 561-5622

Ministry of Energy and Mines South Central Regional Office 162 Oriole Road Kamloops, British Columbia V2C 4N7

Ph: (250) 371-6051 Fax: (250) 371-6070

Ministry of Energy and Mines Kootenay Regional Office 2nd Flr., 42 - 8th Avenue S. Cranbrook, British Columbia V1C 2K3

Ph: (250) 426-1557 Fax: (250) 426-1652

Ministry of Energy and Mines Vancouver Island & Lower Mainland PO Box 9320, Stn Prov Govt 4th Flr., 1810 Blanshard Street Victoria, British Columbia V8W 9N3

Ph: (250) 952-0495 Fax (250) 952-0481

2 Revised: 06/24/03

