

Water Licensing Application Package

Updated April 2006

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Application Completeness Checklist for New Water Licence Application

Water licence applications must include the items listed below. Please be advised that incomplete applications will be returned to the applicant.

	APPLICATION REQUIREMENTS
Application Form	 Ensure the form is completed according to the Application Guidelines. The application form must be signed and dated.
Application Fee	Refer to Schedule 1: Water Purposes & Application Fees. If you are applying for more than one purpose, calculate the fee by adding all uses. A cheque or money order must be payable to Minister of Finance. The application fee must be included with the application.
Drawing	The drawing must be prepared according to the Required Drawing Standards. The drawing must be signed by the applicant.
Мар	The map must show the general location of your property in relation to nearby communities, highways, railways and other water sources.
Survey Plans	A copy of the Registered Survey Plan must be provided for the parcel of land where the water is intended to be used.
Land Ownership	 If the applicant owns the land where the water is proposed to be used, submit the Certificate of Title, BC Tax Assessment Notice or Transfer of Sales Agreement. If you have tenure on Crown land where the water is proposed to be used, submit a copy of the Lease or Licence of Occupation.

APPLICATION REQUIREMENTS				
Landowner's Consent	 If the proposed pipeline or diversion works are on or will cross one or more parcels of land owned or leased by another party, submit a completed Landowner's Consent Form for each parcel affected. If such an agreement cannot be obtained indicate how access is proposed e.g., by an interim agreement or Proof of Service Form. 			
Joint Works	If the proposed works will be connected to another licensee's authorized works, refer to General Information on Joint Works Agreement and submit a Joint Works Agreement.			
Economic Impacts	Economic Impacts for Water Licence Applications form to be completed unless purpose is for Domestic or Small Irrigation (less than 5 AF/year) which are exempt.			
Agency Requirements	I have read the Water Applicant's Agency Resource Guide.			
APPLI	CATION REQUIREMENTS FOR SPECIFIC PROJECTS			
Development Plans	For any application with a proposed diversion rate of over 25,000 gallons a day, a development plan must be completed. Refer to the Development Plan Template .			
Storage	If off-stream storage is proposed to support water use, or if an on-stream storage dam or reservoir is proposed, complete Schedule 2: Dam & Reservoir Information.			
Waterpower	For all applications for waterpower submit a completed Schedule 2: Dam & Reservoir Information, and Schedule 3: Power Information.			
	If the project is to produce waterpower for sale, refer to the Guidebook for Waterpower Project Applications.			



Application Form Guide for a Water Licence

Updated September 2005

This Guide is designed to assist you in completing the application form. The order of the information contained in the Guide corresponds with the order of requested information in the Application Form.

Occupation and use of Crown land under the *Land Act* require submission of an application and issuance of a tenure.

The diversion and use of all surface water in British Columbia must be authorized under the *Water Act*. In order to acquire a water licence, the applicant must have ownership or have substantial interest (registered owner, leaseholder) in the land where the water is to be used.

For waterpower applicants the location of the proposed powerhouse is considered to be land where the water will be used. Waterpower projects on Crown land will require an application for land tenure under the *Land Act* and a water licence under the *Water Act*. If the powerhouse will be on private property, which is not owned by the applicant, an option to purchase or a tenure (registered with Land Titles) must be obtained. Refer to the Waterpower Guide book for assistance.

You may wish to check the status of the stream prior to filling out the application. Please refer to the attached list of government offices.

Compliance with all stated application requirements does not guarantee that a water licence will be issued.

IF YOUR APPLICATION IS INCOMPLETE IT WILL BE RETURNED.

Application fees **must be submitted** with the application. If paying by cheque or money order, make payable to **Minister of Finance**.

PART 1. Name(s) and Mailing Address

- **Joint Tenants** (Land tenure): If more than one applicant for a land tenure, check if joint tenancy. In a joint tenancy situation, when one of the tenants expires, his/her interest in the land passes to the surviving joint tenant(s).
- **Tenants in Common** (Land tenure): If more than one applicant for a land tenure, check if tenants in common. In a tenancy in common situation, when one of the tenants expires, his/her interest in the land passes to his/her estate.
- Company Name or Society Name: If registering an application in a name other than an individual (e.g., ABC Society or ABC Company Limited) indicate if a Company Name or a Society Name. For a water licence, enter the name of the registered owner or name of the individual/company holding tenure to the land where the water is to be used.
- **BC Incorp. No., BC Registered No. or Society No.**: Company must be incorporated in BC or registered as an Extraprovincial Company. Information on becoming an Extraprovincial Company can be obtained from the BC Ministry of Finance.

Registered societies should submit the society number as well as the following:

- A certified copy of the Constitution and Bylaws indicating your organization has formed a non-profit organization and is entitled to hold land.
- The Constitution and Bylaws must state that on winding-up and dissolution of the society, after all debts have been paid or provision for payment has been made, the assets remaining shall be paid, transferred, or delivered to the Minister of Finance.
- A copy of the latest annual report of your organization including the financial statement and the report of the directors to the members.
- Written confirmation that the organization passed a resolution endorsing the application and stating that all land applied for is required for the intended use.
- Documentation indicating the organization is exempt from payment of property tax, pursuant to the *Taxation (Rural Area) Act* and the *Municipal Act* by virtue of the fact that the activities are of demonstrable benefit to all members of the community.
- The appropriate documentation showing that the organization is exempt from payment of income tax, pursuant to the federal *Income Tax Act*, by virtue of the fact that no income is payable to or available for the personal benefit of any proprietor, member or shareholder. Revenue Canada Rulings Directorate (613) 957-8953 is the department that would make the ruling as to whether or not the organization is deemed to be a non-profit organization pursuant to the *Income Tax Act*. This department will also determine whether or not the organization is tax exempt.

PART 2: Place of Use

- **Do you hold another water licence(s)?** If you already hold a water licence, enter file number, licence number and client number. Refer to your last water rental statement for this information.
- **PID #**: If the proposed place of use is private land, surveyed properties are assigned a PID (Parcel Identification Number). Enter your PID in the box provided. The PID number can be obtained from your property tax notice, Certificate of Title or land sale agreement.
- Land description: Enter the full description of the property where the use of water is proposed (e.g., Lot 1 of Section 31, Township 12 W6M Kamloops Division of Yale District Plan 18411). A legal description is found in the Certificate of Title (CofT). A copy of the CofT must be attached to the application. A copy of your Registered Survey Plan, if available, will confirm the dimensions of the place of use.
- **Civic address of the property**: If applicable, enter the civic address of the property, including street number, city, province and postal code.
- **Confirmation of tenure to land**: If water is proposed for use on Crown land, a copy of the existing Lease or Licence of Occupation must be attached, or alternately, **Application for Crown Land** may be completed and submitted.

If the water is proposed for use on private land, a copy of the Certificate of Title, recent tax notice or lease must be attached.

In order to obtain a water licence you must qualify as:

- the owner of land or a mine;
- a holder of certificate of convenience and necessity issued under the *Public Utilities Act* or under the *Utility Act*;
- a municipality, improvement district, water user's community or regional district;
- a commission, board or person having charge of the administration of land, mine or other property owned or controlled by a ministry, department, branch or other subdivision of the federal or provincial government;
- the Greater Vancouver, Victoria or Nanaimo Water Districts or any other water district incorporated by an act of the legislature; or
- The British Columbia Hydro and power Authority.

Lessees of private property or Crown land may also quality.

Are you the Registered Owner? If the proposed place of use is private land, indicate if you are the registered owner, a lessee on the land or indicate other.

PART 3: Purpose(s) and Quantity(ies)

Domestic: If the purpose for which the use of water is requested is domestic, enter the number of dwellings on the land and the total quantity, in gallons per day, to be used.

Other: If the purpose(s) for which the use of water is requested is not domestic, irrigation or stockwatering, identify the purpose(s). For each purpose, identify the quantity to be used and units (e.g., gallons per day). There is a separate fee for each purpose requested in the application. (Refer to Schedule 1 - Water Purposes and Application Fees, for a list of purposes and fees.)

Irrigation: For irrigation purpose, specify the number of acres to be irrigated.

Stockwatering: For industrial (stockwatering) purpose, specify the number of head and type of livestock (e.g., beef or dairy cattle, hogs, sheep, etc.).

If the application includes a storage purpose, a completed **Schedule 2 - Dam & Reservoir Information** form must be submitted with the application.

If the application includes a power purpose, a completed **Schedule 3 - Power Information** form must be submitted with the application.

PART 4: Source of Water

- **Name of Source**: Name of the source of water. If the source is unnamed, indicate "unnamed". You may suggest a name for a previously unnamed source.
- **If creek, brook or river, width of source at diversion point**: If creek, brook or river, the width of the source at the point at which the water to be used will be diverted.
- **Flows into**: Name of the water body (stream, lake, etc.) to which the source is tributary. If the source seeps into the ground and does not flow into any other stream at any time, specify **"ground"**.

PART 5: Works

This Section is required if Works are to be constructed to divert and convey water to place of use.

List Works: Works, such as intakes, diversion structures, pumps, tanks, sumps, pipelines, ditches, troughs, reservoirs, irrigation systems, etc., to be constructed at the place of use.

(a) Diversion Works

- **Pump or Gravity Feed**: Indicate whether the water will be conveyed to the place of use by pumping or by gravity feed system.
- Length of pipe into a river or a lake measured from the high water mark: Length of pipe, measured in feet, for specified conveyance method.
- Are any of the Works on Crown land: Indicate if works will cross Crown lands.
- Length of Works on Crown land: If Works cross Crown lands, indicate length of Works, in feet, that cross Crown lands.

(b) Storage Works

- Do you require storage? Indicate if storage is required.
- List Storage Works: If storage is required, indicate Storage Works and complete Schedule 2 - Dam & Reservoir Information. (Note that tanks are not considered storage works.)

(c) Additional Information

- **Joint with another's Works?** Indicate if the Works will be shared with another licence, either in whole or in part.
- If yes, with whom? If Works are to be shared, provide the name of the other user(s).
- **Joint Works Agreement**: If Works are to be shared, a Joint Works Agreement is recommended. Indicate if a Joint Works Agreement is enclosed. General information on preparing a Joint Works Agreement is included with this application package.
- Works constructed? Indicate if Works have already been constructed.

PART 6: Other Lands Physically Affected by Works

If the proposed works will affect lands other than your own, whether private or Crown owned, complete this section.

- **Do the Works affect another person's private land?** Indicate if the Works to be constructed affect another person's private land.
- Do the Works affect Crown land? Indicate if the Works to be constructed cross Crown land. A Permit Over Crown Land (PCL) may be issued by the Water Licensing Section if the works authorized by your Water Licence will affect Crown land. A PCL provides the right to construct, operate, maintain works or to flood Crown land without being in trespass under the Land Act. However, a PCL does not grant tenure on Crown land. Please include the PCL appropriate fee with the application you submit.
- Legal description of land affected: Legal land description for each parcel that will be affected by works to be constructed or by flooding from water to be stored in a reservoir (e.g., Lot 1 of Section 31, Township 12 W6M Kamloops Division of Yale District Plan 18411). Legal descriptions are found on annual Property Assessments, Land Tax Notices, Certificates of Title and Transfer of Sale Agreements. A copy of one of these documents must be attached to the application. A copy of your Registered Plan will confirm the dimensions of the place of use. The dimensions of the Crown land affected must be indicated on the application form.

Landowner's Consent Form for land affected:

Private Land: Indicate if Landowner's Consent Form is enclosed. Agreement from private landowners affected by your proposed works should be obtained in writing prior to making an application. For your convenience, a consent form is included in the application package.

Crown Land: Alternately, Ministry of Environment (MOE) may issue a Permit over Crown Land (PCL) under the *Water Act*. Refer to **Schedule 1 – Water Purposes and Application Fees**. A PCL does not provide the same certainty and security as a *Land Act* tenure.

Name of Owner(s) including Crown land tenure holders: Landowner's name for each parcel that will be affected by works to be constructed or by flooding from water to be stored in a reservoir. The regional MOE office should be contacted to identify potential Crown land tenure holders that might be affected by your proposed works. Notification of affected Crown land tenure holders is the responsibility of the applicant.



SCHEDULE 1 WATER APPLICATION FEES (effective June 1, 2003)

GST not applicable. Cheque or money order made payable to Minister of Finance

(Updated September 2005)

DOMESTIC USE

Water used for domestic household purposes, including watering a garden up to 1,012 square metres (approx. 1/4 acre) in area. Generally, one household requires 2,250 litres or 2.25 cubic metres (approx. 500 gallons) a day.

Fee: \$100.00

Associated Industrial Purposes

Camps

Churches or community halls

Exhibition Grounds

Institutions

Public Facilities

Residential lawn or garden watering if area exceeds 1,012 square metres

(approx. 1/4 acre) in area.

Swimming Pools Work Camps

Fee: \$150.00 (for each purpose)

AGRICULTURAL USE

to irrigate less than 5 hectares (approx. 12.35 acres)

Fee: \$100.00

to irrigate 5 hectares to less than 50 hectares (approx. 12.35 acres to less than 123.5 acres)

Fee: \$150.00

to irrigate 50 hectares (123.5 acres) or more

Fee: \$400.00

water conveyed by a local authority for irrigation

Fee: \$400.00

Associated Industrial Purposes

Crop Suppression

Flood Harvesting

Frost Protection

Game Farms

Greenhouses

Kennels

Nurseries

Ponds

Stockwatering

Watering of golf courses, ornamental gardens, parks or similar properties

Fee: \$150.00 (for each purpose)

AQUACULTURE

Fish Hatcheries

Fee: \$150.00

INDUSTRIAL & COMMERCIAL USE

Amusement parks

Bottling fresh water for sale less than 200 cubic metres (approx. 43,993

gallons) a day

Brake cooling

Cooling

Dewatering

Dust control

Effluent dilution

Enterprise, which includes hotels, motels, trailer parks, stores, service

stations, restaurants, or similar commercial enterprises

Film processing plants

Fire prevention

Fire protection

Garbage dumps

Heat exchangers

Ice making

Log fluming

Mineral baths or trading

Overburden disposal

Processing, which includes food processing plants, manufacturing

operations, sawmills and washing sand or gravel

Road maintenance

Sediment control

Sewage disposal

Shipyards

Snowmaking

Truck washing

Tunnelling

Washing intake screens

Wharves

Fee: \$500.00 (for each purpose)

Bottling fresh water for sale of 200 cubic metres (approx. 43,993 gallons),

or more a day

Fee: \$2,000.00

Pulp mills

Fee: \$10,000.00

MINING & OIL

Mining equipment

Oil field injection

Placer mining

Pressure testing and flushing

Fee: \$500.00 (for each purpose)

Hydraulic mining Processing of ore Washing coal

Fee: \$5,000.00 (for each purpose)

CONSERVATION & LAND IMPROVEMENT USE

Water used or stored, or works constructed, for the purpose of **conserving** fish and wildlife.

Diverting or impounding water to protect property or facilitate development of a park or reclaiming, draining or making other **improvements to land**.

Fee: \$150.00

WATERWORKS & CONVEYING USE

All applications **conveyed for waterworks** by a person **other than** a local authority.

Conveyed by a local authority for waterworks, less than 100,000 cubic metres (approx. 21,996,900 gallons) a year.

Water delivered within British Columbia.

Fee: \$500.00

Conveyed by a local authority for waterworks, 100,000 cubic metres to less than 5,000,000 cubic metres (approx. 21,996,900 to less than 1,099,850,000 gallons) a year

Fee: \$2,000.00

Conveyed by a **local authority** for waterworks, of **5,000,000 cubic metres** (approx 1,099,850,000 gallons) or more a year

Fee: \$10,000.00

STORAGE PURPOSE

less than 125,000 cubic metres (approx. 101.3 acre-feet) stored.

Fee: \$150.00

125,000 cubic metres to less than **1,250,000 cubic metres** (101.3 acrefeet to less than 1,013.3 acre-feet) stored.

Fee: \$400.00

1,250,000 cubic metres (1,013.3 acre-feet) or more stored.

Fee: \$2,000.00

POWER PURPOSE

Residential (Self-supplied) Waterpower

Water that is used to generate power for residential use (up to 25 kW for one household)

Fee: \$100.00

Commercial Waterpower

Up to 499 kW, of which less than 5% of energy may be sold

Fee: \$5,000.00

General Waterpower

Water that is used to generate power for a power plant, which produces up to **20 MW**

Fee: \$5,000.00

Water that is used to generate power for a power plant, which produces over **20 MW**

Fee: \$10,000.00

PERMITS TO OCCUPY CROWN LAND

Affecting less than 0.5 hectares (approx. 1.23 acre)

Fee: \$100.00

Affecting **0.5 hectares** to less than **50 hectares** (approx. 1.23 acres to less than 123.5 acres)

Fee: \$500.00

Affecting 50 hectares (approx 123.5 acres) or more

Fee: \$2,000.00

TO AMEND A WATER LICENCE

A request to amend a licence or approval under section 18 of the *Water Act*.

The transfer of appurtenancy of any licence (payable by each recipient of transferred rights upon issue of licence.

An apportionment of a licence (payable by each recipient or rights, upon issue of licence)

Fee: \$100.00

To amend water licences issued for the following purposes: Industrial & Commercial, Mining, large Storage over 1,250,000 cubic metres (approx. 1,013.3 acre-feet) stored, Waterpower, and Waterworks.

Fee: \$500.00

APPROVALS, STREAM CHANGES & SHORT TERM USE

Changes in and About a Stream

Fee: \$130.00

Short Term Water Use

The fee for short term water use as set out in Part 1 of the water tariff, plus the annual rent for the proposed use - as set out in Part 2 of the water tariff.



Applying for a Water Licence

Updated September 2005

THIS PAGE MUST BE COMPLETED FOR ALL APPLICATIONS. PLEASE READ THE **APPLICATION FORM GUIDE** WHEN COMPLETING THIS APPLICATION.

PART 1. NAME(S) AND MAILING ADDR	ESS				
Client Name OR Company Name O	OR Society Name □			For applications made by more than one individual:	
				☐ Joint Tenants; or,	
				☐ Tenants in Common	
				Your File Number (if applicable):	
Contact Name of Agent (if applicable):					
BC Incorp. No., BC Registered No. or Soci	iety No.:	GST	Registrati	ion Number:	
Mailing Address					
		_			
			Postal Co	de:	
E-mail Address					
	Τ				
Home Phone	Business Phone		Fax Numb	per	
	[()		()		
Applicant /Agent's Signature(s)				Date	
Please Enclose Appropriate fees (see Fee S	Schedule http://www.env.gov.bc.c	a/wsd/water	rights/licen	ce application/fees info.html)	
NOTE: Make cheque or money order paya	able to the Minister of Financ	e.			
	The information you provide will be subject to the Freedom of Information and Protection of Privacy Act. If you have any questions regarding the treatment of your personal information, please contact the Manager, Privacy, Information Access and Records Management.				
In addition, the submission of this	form does not in any manner c	onvey any r	ights to us	e or occupy Crown land.	
DI EASE DETAIL	N A CODY OF THIS ADDITION	TION FOR	VOUD DE	CORRE	
FOR OFFICE USE ONLY	N A COPY OF THIS APPLICA	ATION FOR	TOUR RE	CORDS	
Date Received		Water File	Number:		
		Client Num	nber:		
		Application			
		Map Numb			
		Fees Recei	ived:		
		Receipt Nu	ımber:		



Applying for a Water Licence – Water Act

COLUMBIA	A					
-	have completed this form, please refer to the v.env.gov.bc.ca/wsd/water rights/licence app			ation that must be submitted with	this application.	
PART 2. PLA	CE OF USE – LEGAL DESCRIF	TION OF PROPERTY WE	HERE WATER	IS TO BE USED		
PID#	Land description:					
	Civic address of the property	:				
	st have tenure to the land where wa of Certificate of Title, Recent Tax No			Are you the Registered O Yes □ No □ L	wner? essee □ Other □	
Do you hold ano Yes □ No	ther water licence(s)? □ If yes, state Licence Numbe	r: File Numbe	r:	Client Number:		
	POSE(S) AND QUANTITY(IES) cation/cabinet/fees-water.pdf)				d/water_rights/	
Domestic : Number of dwelli	nge:	Other:	O	uantity:	Linit:	
	day or Gallons)			uantity: uantity:	Unit: Unit:	
Irrigation:		Stockwatering:	Lie	-14.		
	Unit:	Quantity:		nit:		
Number of acres	to be irrigated:	Number of stock:	Ту	pe of stock:		
Note: For War	ter Licence application with propose ed.	ed diversion rate over 100 m ³ ((25,000 gallons)) a day, a Development Pl	an must be	
PART 4. SOU	RCE OF WATER					
Name of Source			Flows into:			
If creek, brook or	river, width and depth of source at	diversion point:				
PART 5. WOR	KS–Existing or proposed to c	livert and convey water to	o place of use	e (works must be show	wn on drawing)	
List Works						
a) Diversion Works	Pump □ or Gravity Feed □			o a river or lake measured m or	from the high water ft	
WOIKS	Are any of the Works on Crown lar	nd? Yes □ No □ Le	ngth of Works o	on Crown land:	_ m or ft	
b) Storage Works	Do you require storage? Yes □ No □	If yes, complete and attach § http://www.env.gov.bc.ca/ws List Storage Works:				
	Joint with another's Works? Yes [☐ No ☐ If yes, w	vith whom?			
c) Additional Information	Works constructed? Yes □ No □ Partially □	works will be shared wi		commended if part or all licence holder(s).	l of your proposed	
PART 6. OTH	ER LANDS PHYSICALLY AFFI	ECTED BY WORKS				
	orks occupy or flood another person	·		e Works occupy or floodes□ No□	d Crown land?	
Landowner's Consent Form for private land affected Enclosed: Yes □ N/A □			If Yes, PCL fee required with application			
Coul	d not obtain □					
If yes to either qu	uestion, provide the legal description	n of land affected	Name of Owi	ner(s) including Crown lar	nd tenure holders	



WATER LICENCE APPLICATION DRAWING

APPLICANT'S DRAWING – Prepare a drawing to submit with your application. Refer to the required drawing standards for required elements.

1	7
1	b

Scale:		Applicant's Sig	gnature:
Legend:		Date:	
Point of Diversion Pipe Pipe Over Crown land	• 		For Office use Only
The boundaries of the la appurtenant are shown t	nd to which this licence is thus		
Land District:			
Мар:	POD:		
Water District:	Precinct:		



Economic Impacts For Water Licence Applications

Applications for domestic water or small irrigation purposes (less than 6000m³ (5 AF)/year) do not need to complete this information.

In an effort to more fully appreciate the positive impacts of economic development for a wide variety of uses please provide the following information for your water licence application request:

Capital Investment	\$

Capital Investment – Reflects the **expenditures** anticipated to be spent in the near future (next 3 years) including:

- Off-site and on-site services that are directly attributable to development related to the water licence (engineering, design, etc.)
- Construction costs directly related to the water licence (pumps, pipes, earthworks, labour, etc.)

Permanent Jobs	

Permanent Jobs – Measure of the number of ongoing jobs created in the operating and maintenance of the ongoing water use. Use decimals where appropriate.

This information is required before your water licence application can be processed.



Water Licence Application Drawing Checklist

Water licence applications and applications to amend water licences must include a Drawing that meets the ministry's Required Drawing Standards. The Checklist should be used to ensure the completeness and accuracy of the Drawing submitted. Refer to the Required Drawing Standards and the Sample Drawings in the application package for additional information.

DRAWING REQUIREMENTS					
General Specifications	The Drawing is prepared to scale on Mylar or white bond paper in black ink, shows a north arrow, and includes a legend. All the important features are labelled. Use only one colour.				
	If your Drawing will be prepared digitally refer to the data digital standards outlined in the Required Drawing Standards.				
Source Information	The Drawing shows the source (or sources) and the location of all proposed points of diversion.				
	The direction of flow is indicated, and if possible, where the source connects to a creek, river or lake.				
	The location and direction of flow of other watercourses in the general area of the application, e.g., springs, creeks, lakes or rivers are indicated.				
	If storage is needed, the Drawing shows the proposed location of the reservoir and indicates whether it will be man-made or is on a natural pond or lake.				
Place of Use & Property Boundaries	The Drawing shows the legal property boundaries of the land where the water will be used.				
	The Drawing also shows all legal property boundaries of neighboring land, easements, roads, right-of-ways, and Crown land.				
Proposed Works	All works associated with the application are shown and labelled, e.g., the intake, diversion structure, pipe, irrigation system, pond, dugout, reservoir, or trough.				
	The length of pipe is indicated, and the area to be irrigated is crosshatched on the Drawing.				
	If the works cross Crown land, such as a pipe into a lake or river, the length of the pipe is given.				
	If land is to be flooded, the inundated area must be shown on the Drawing.				



Water Licence Application Drawing Standards

(Updated September 2005)

Applicants are required to meet the following Drawing Standards. The application will be returned if the Drawing is inadequate.

GENERAL SPECIFICATIONS

- Use Mylar or white bond paper, preferably 8.5 by 11 inches (standard letter size) but no larger than 8.5 by 14 inches (legal size).
- Print clearly, and use black ink that does not smudge.
- Label important features. Provide a legend or key for any abbreviations used.
- Show the scale (e.g., 1:5000, 1-inch equals 500 feet, 1-cm equals 50 m).
- Ensure a North arrow is shown.

SOURCE INFORMATION

- Show the location of the source of water relative to your property boundaries and the boundaries of other landowners.
- Indicate the source by name, show the direction of flow, and if possible, indicate where the source connects to other creeks, rivers or lakes.
- Show the location and direction of flow of any natural lakes, swamps, sloughs, etc., within the general area of your application.
- Indicate the width of the source at the proposed diversion point.
- If storage is needed, show the location of the reservoir and indicate whether it will be manmade or is on a natural pond or lake.

PLACE OF USE AND PROPERTY BOUNDARIES

- Draw the legal property boundaries of the land where the water is to be used.
- Show the boundaries of all parcels of land (both private and Crown) that will be physically affected (i.e., crossed, flooded, or used as access) by the proposed works. If any of the parcels include easements or right-of-ways, these should also be shown.
- Identify the actual place of use, e.g., dwelling, barns, and other buildings.

- Clearly show the area to be irrigated with scaled measurements in hectares or acres.
- If any land is to be flooded, identify the area that will be underwater in relation to the property boundaries.

PROPOSED WORKS

- Identify the exact location of the proposed water intake or diversion structure.
- Indicate all water works, existing and proposed, e.g., the diversion structure, intake, pipe, sump, pump, dugouts, ponds, reservoirs, irrigation systems, etc.
- All works must be labeled.
- If the pipe crosses land owned by another person or the Crown, its length on that land must be shown. The pipe length must also be shown in lakes and rivers. If the bearing of the pipe is known, please include on the Drawing as well.

DRAWING PREPARATION

- Obtain a copy of a Legal Survey Plan of your property from the Land Titles Office for your area. A copy of this Plan can serve as the base map for the Drawing.
- Regional District Offices also have updated maps of land that has been subdivided. A copy
 of a Regional District map may also be suitable as the base map.
- Maps of various scales, including the BC Topographical series, are available at local surveying companies.
- Sample Drawings are enclosed with the application for reference.

DIGITAL DRAWING STANDARDS

Surveying companies, architectural firms and other professional drafting services may be able to provide the Drawing in digital format. An ArcInfo exportable file, an ArcInfo coverage file, and a Shape file are the only formats that meet Water Stewardship Division's digital standard for the Applicant's Drawing. Please ensure that all digital data is in Albers Projection.

ADDITIONAL INFORMATION

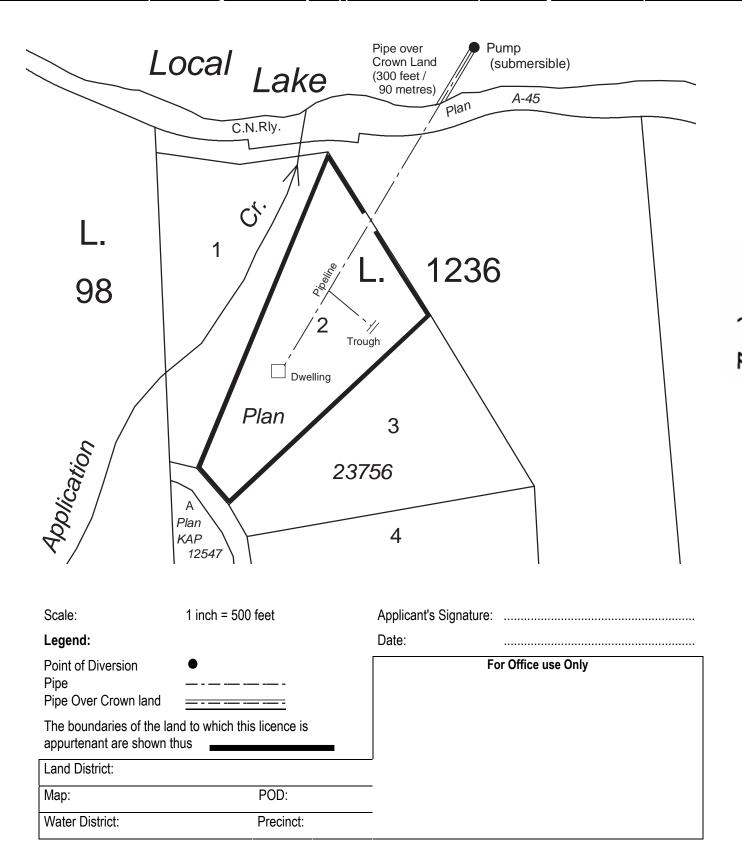
Please submit a copy of your Registered Survey Plan, as well as the portion of a topographical map, which covers the area of proposed water use in relation to nearby communities, highways, railways, etc.



Sample Drawing: **Domestic & Stockwatering**, from a lake across private and Crown land

WATER LICENCE APPLICATION DRAWING

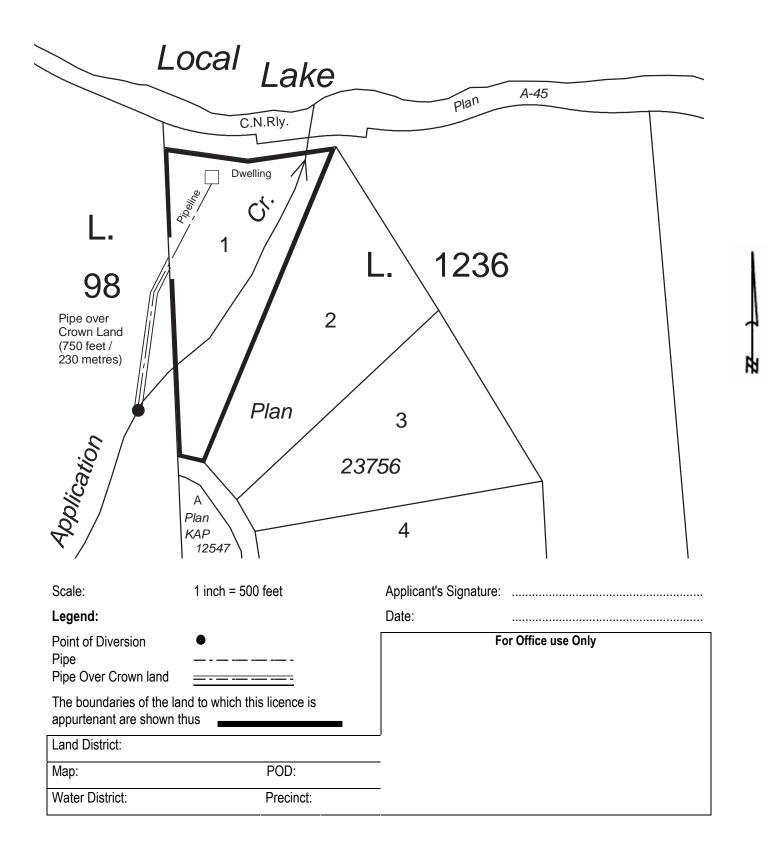
APPLICANT'S DRAWING - Prepare a drawing to submit with your application. Refer to the required drawing standards for required elements.





WATER LICENCE APPLICATION DRAWING

APPLICANT'S DRAWING - Prepare a drawing to submit with your application. Refer to the required drawing standards for required elements.

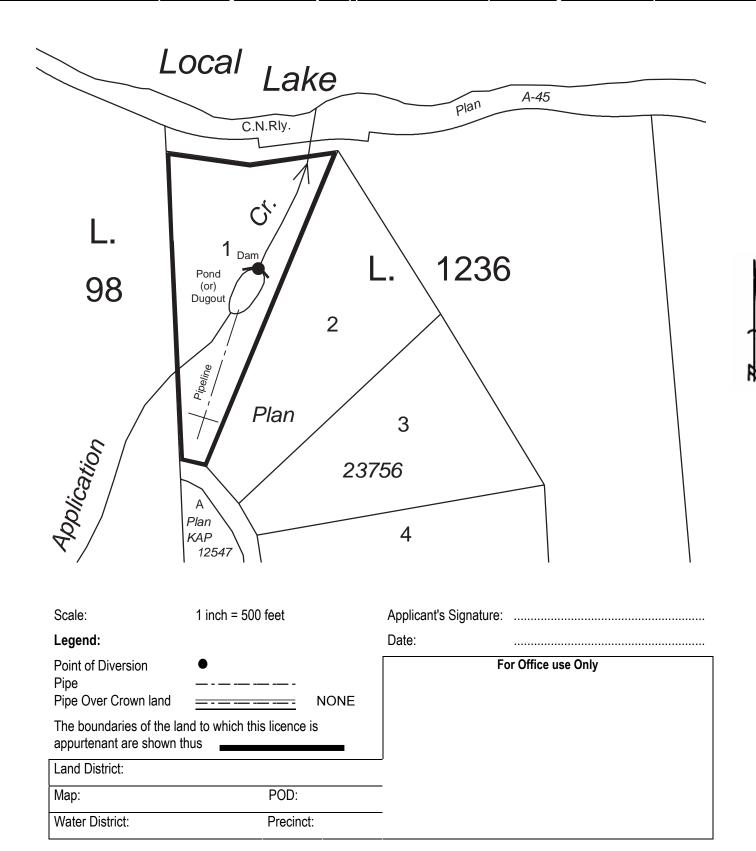




Sample Drawing: **Irrigation**, from a creek with on-stream **storage** within applicant's land.

WATER LICENCE APPLICATION DRAWING

APPLICANT'S DRAWING - Prepare a drawing to submit with your application. Refer to the required drawing standards for required elements.





Water Development Plan Template

(Updated September 2005)

Note: For any application with a proposed diversion rate of over 25,000 gallons a day, a development plan must be completed.

Development Plans must consist, at a minimum, of the following information. Where deficient, the application may be returned.

INTRODUCTION

This section contains a description of the basic purpose of the project, normal operation characteristics and any unique or important design consideration associated with the site or project characteristics.

DESIGN ASPECTS

This section contains a description of all works associated with the proposal. Stamped, engineered plans may be required for complex projects. The general arrangement of the project and its components must be described and referenced to the maps and drawings provided. Preliminary or conceptual design drawing will be accepted for Waterworks and General Power Uses only.

Works required for a Waterpower Project include all those components needed to generate electricity and convey it to the user. For those projects connecting to the provincial grid, the point of transmission line connection to the grid is the end of the works that will be licensed under the *Water Act*.

The following list may be used as a guide for the description of the various components:

Generic list:

- Intakes on all streams to be diverted
- Pumps
- Exclusion fences
- Fish passage requirements
- Water recycling or conservation measures
- Staging areas for the construction of the works
- Access roads to be used only for construction.

For waterpower projects, provide a description for each of the components listed above plus the following:

- Intake, penstock, and powerhouse
- Tailrace
- Access roads required for operation and maintenance of completed Project
- Switchyard and transmission lines.

For projects involving dams, provide the generic list items from previous page plus:

- Dam for the purpose of storage of water
- Area flooded by the storage or impoundment of water (Note: An intake that impounds
 water above the natural boundary of the stream is considered to be flooding land,
 and the area of such flooded land must be identified)
- Reservoir debris removal and management.

RESERVOIR INFORMATION

If the project utilizes a reservoir, this section will include bathymetric information including elevation/capacity curves and any key water levels. Also, there should be some consideration given to the reservoir rim for slope stability.

GEOTECHNICAL CONSIDERATIONS

This section contains a description and assessment of the site geology and any subsurface explorations from test pits; bore holes; field tests; laboratory tests; and classification of samples.

SEISMIC CONSIDERATIONS

This section contains a description of the considerations given to potential seismic activity that may impact the project.

PROJECT-RELATED CONSIDERATIONS

This section contains a description and assessment of flooding and erosion concerns around the project location.

LAND RELATED ISSUES

Affected Lands

All of the Crown land and privately owned land that is required for every aspect of the Project is to be described with the legal description and parcel identification number. This includes the land on which the works will be located and any corridors that will be required for access roads, transmission lines, etc.

The proponent must indicate whether the various pieces of land required for the project are located on Crown or private land, and the manner in which an interest in the land is to be obtained. This interest can range from an agreement to purchase from a private landowner(s), to an application for Crown land.

The proponent should conduct a search at the Land Title Office for the correct legal description and ownership of all parcels of land required for the Project. Known Crown land encumbrances (i.e. power lines, commercial recreation activities) must be indicated. Transportation and utility corridors that may be affected should also be described.

The land required for the Project must be shown on maps and drawings.

WATER RELATED ISSUES

Water Quantity

This section contains a description and assessment of water availability from the watersource or watershed and the quantity required for the Project.

Minimum Requirements:

- Period of time and amount of water required for the Project;
- Any reserves or restrictions on the source;
- Climatic information:

- Watershed characteristics including area, aspect, and slope;
- A listing of all sources of inflow to the reservoir;
- Flow estimation methodologies;
- Hydrographs, and key indicator values such as Mean Annual Discharge, maximum and minimum values;
- Flow duration for those streams that do not contain water year round. Also, please indicate when the water ceases to flow;
- Any other related hydrologic information.
- 1. For Waterworks projects, provide the minimum requirements plus:
 - Monthly licensed water demand for existing system, if in operation and how much extra will be required under this application;
 - Projected population growth and /or residential growth graphs;
 - Historic Water uses (maximum daily, average day, and annual);
 - Projected water demand for 10 and 25-year horizons.
- 2. For those projects associated with Dams, include the minimum requirements plus:
 - The inflow design flood for those projects with dams;
 - Design flood water level of the proposed reservoir, under specified conditions;
 - The return period of the design flood;
 - Area-Elevation Curves;
 - Flow estimates of water availability using a mass (flow summation) curve and water balance models.

Water Quality

This section contains a description of any factors to affect water quality including temperature.

Instream Requirements

This section contains a description and assessment of fish species, distribution, timing and any other fish-related requirements.

This section should also contain any information related to recreation use, aesthetics and cultural uses.

Please include any information related to mitigating impacts and address concerns or issues raised through communications with fish management agencies (ie. Fish and Wildlife Branch, Fisheries and Oceans).

Affected Water Users

Please describe any known water users downstream with consideration to effects on their water usage, interruption, compensation and notification.

CONSTRUCTION ACTIVITIES

A Construction Schedule and methodology should be proposed in this section. Please describe how any instream work will be done and timed such that water quality and quantity impacts are minimized.

For Waterpower Projects, the timeframe for constructing and commissioning the Project should be indicated. This timeframe can be absolute if the Project has an energy purchase agreement

with a customer for the output of the project. Otherwise the timeframe can be relative to other factors that may affect the construction schedule, such as seasons of the year.

In addition, waterpower projects may require the use of an independent professional engineer to provide design review and ensure construction adheres to design. Any information related to the independent engineer may be included in this section.

SAFETY ASPECTS

Downstream Consequences

This section contains a general description of the areas downstream of the Project that could be affected by floodwater from failure of the works or impact on navigational issues.

- 1. For those projects involving dams:
 - An estimation of the magnitude of the dam break flood hydrographs resulting from various hypothetical dam failure scenarios occurring with the reservoir at normal storage elevation and maximum storage elevation.
 - For those structures that pose risk to human life, an inundation map delineating the
 maximum extent of flooding anticipated by a sudden breach. The mapping will
 continue downstream until the expected flooding is within the 100-year floodplain
 elevation.
 - The downstream hazard classification as defined by Schedule 1 of the Dam Safety Regulation which reflects the current and proposed conditions of development in downstream areas and a description of how the downstream impacts relate to the chosen rating. The most serious potential consequences of failure of those listed shall be used to establish the appropriate downstream hazard classification. Please note the Regional Dam Safety Officer is responsible for deciding the final consequence rating.

FUTURE MONITORING

List the types of records to be kept including environmental aspects, conservation, and power production. Include how the quantity of water will be measured and controlled by the licensee or agents.

For large reservoir systems and General Waterpower Projects, an operation order or rule will be required. Licensees regulated by an operation rule or order will be required to keep records on water levels, flow and /or use and submit them upon request. This section will address development and frequency issues related to the development of these rules and any other operation and maintenance aspects.

RELATED CONSIDERATIONS

Archaeological Assessment

This section contains a description and assessment of archaeological information known or found, any First Nations consultation, and any mitigation necessary.

Environmental Monitors

An environmental monitor may be required. Any information on the use of an environmental monitor will be placed in this section, e.g., stop work authority, frequency of site visits, required checks, etc.

Remaining Environmental Considerations

This section contains any remaining concerns, which have not previously been addressed. This may include aspects involving wildlife that may be affected by this proposal.

SUMMARY AND CONCLUSION

The project should be summarized in this section. This section will also contain copies of documents, plans or written confirmation obtained by consulted agencies.



25,000 gpd Equivalence (Imperial)

For any application with a proposed diversion rate of over 25,000 gallons per day, a Development Plan is required.

The rate of withdrawal at 25,000 gpd equates to:

Quantity	Unit
0.09	AF/day
8	AF in 90 days
10	AF in 110 days
11	AF in 120 days
17	AF in 180 days
114	cubic metres/day
113 650	litres/day
0.001	cubic metres/second
1.32	litres/second
0.046	cubic feet/second
9 125 000	gallons/year



SCHEDULE 2 DAM & RESERVOIR INFORMATION

REQUIRED IN SUPPORT OF A WATER LICENCE APPLICATION FOR STORAGE PURPOSE

1. WATER LICENCE APPLICATION	ON INFORMATION						FOR OFF	ICE USE ONLY	
SURNAME	GIVEN NAME(S)		Date Received						
MAILING ADDRESS									
			POSTAL C	ODE	_				
E-MAIL ADDRESS									
HOME PHONE	BUSINESS PHON	E	FAX			FILE NUMBER			
SOURCE(S) OF WATER (NAME O	F STREAM WHERE	WORKS ARE TO	BE CONST	RUCTED)		TEE NOMBER			
PROJECT CONSULTANT								designed by, and province of BC.	d constructed
MAILING ADDRESS									
			POSTAL C	ODE		PHONE		FAX	
2. PROPOSED WORKS - Please	Complete 1 or 2 wh	nere applicable to	your projec	et.					
	IS THE DUGOUT	CONSTRUCTED	IN THE STR	EAM CHANN	NEL OR	OFF STREA	M?		
1. DUGOUT/POND	STORAGE CAPAC	CITY dam ³	LENGTH		WIDT	H		MAXIMUM DEF	 PTH
		or m ³		m			m		m
2. DAM/RESERVOIR	NOTE: PLEASE PLAN VI	ATTACH A DETA	AILED PLAN OPOSED DA	FOR (a) THI AM/RESERV	ROUGH OIR ST	H (d) BELOW RUCTURE.	SHOWING	CROSS SECTION	DNS AND
	HEIGHT		LENG1	Н			CREST V	VIDTH	
a) STORAGE DAM	TYPE OF CONSTR	RUCTION MATER	m RIALS			m			m
	STORAGE CAPAC	CITY		dam ³	FLOC	DED AREA			ha
b) RESERVOIR	Land tenure where and/or flooded, ow		constructed		l Applica	nt □ Pri	vate 🗆	Crown □	IIa
	DESCRIPTION/TY	PE							
c) SPILLWAY DESIGN FLOW				m ³ /s	FREE	BOARD			m
d) LOW LEVEL OUTLET	DESCRIPTION/TY	PΕ							
(SLUICEWAY)	NUMBER OF SEE	PAGE COLLARS			CON	NTROL WORKS USED			

3. STREAM HYDROLOGY FLOW INFORMATION

- (i) If the stream is perennial or flows intermittently, please provide a low flow assessment (for filling and maintaining reservoirs) and a high flow assessment (for determining dam design flood) and/or a complete hydrological assessment in support of your application.
- (ii) If the stream flow is ephemeral in nature (i.e., flows only during wet periods or during spring runoff), please provide an estimate of the drainage areas above the dam or dugout location, an adequate summary of any measured stream flow information available and/or an estimate of high flows in support of your application.

Note: If you have any questions concerning the hydrology of your stream (source), please contact your local Water Stewardship Division Office for more detailed information.

4 FISH POND PERMIT

If you intend to place or maintain fish in your dugout or reservoir, you must obtain a Private Fish Pond permit or Commercial Fish Farm Licence. Please contact the nearest office of Ministry of Environment or the Ministry of Agriculture and Lands for more information.



SCHEDULE 3 POWER INFORMATION

REQUIRED IN SUPPORT OF A WATER LICENCE APPLICATION FOR POWER PURPOSE

1. WATER LICENCE APPLICATION	ON INFORMATION							FOR O	FFICE USE	ONLY	
PURPOSE: Residential □					Date Received					ed	
SURNAME		GIVEN NAM	ME(S)								
MAILING ADDRESS											
			PC	OSTAL COD	F						
E-MAIL ADDRESS				70171E 00B	_						
HOME PHONE	BUSINESS PHONE	:	FA	X							
HOWIL FHONE BUSINESS PRONE			'				FILE NUMBER	NUMBER			
SOURCE(S) OF WATER (NAME O	F STREAM WHERE \	WORKS AR	Е ТО ВЕ	CONSTRU	CTED)						
PROJECT CONSULTANT (IF ANY))										
MAILING ADDRESS											
			PC	OSTAL COD	E		PHONE		FA	X	
a centeral project internal	ATION DI										
2. GENERAL PROJECT INFORMA ANTICIPATED POWER	ATION – Please com MAXIMUM	plete entire	section	MINIMUM				AVER	AGE		
PRODUCTION			kw				kw				kw
MAXIMUM STREAM FLOW	FLOW RATE										
REQUIRED			m ³ /s								
POWER PRODUCED FOR	Indicate how the povused. Check all that			a) PERSO	NAL USE		,			WER AUTHOR	RITY 🗆
				b) SALE T	O OTHER	RS E	d) SALE TO	OTHER	R POWER A	AUTHORITY	
3. PROPOSED WORKS – Please	complete where app HEIGHT	licable for LENG		ject.	TVDES		ONSTRUCTION		DIAL C		
a) STORAGE DAM	TILIGITI	m	3111	m	TIFLS	JI ()	ONSTRUCTION	INAILI	NALO		
L) DEOEDVOID	STORAGE CAPACITY dam ³ or m ³			FLOODED AREA		If a dam is incorporated please complete Schedule 2 – Dam & Reservoir Information.					
b) RESERVOIR											
	DESCRIPTION			•			1				
c) INTAKE	FISH SCREENS										
C) INTARE											
	OTHER FEATURES	S									
	FLUME, PIPE, TUN	NEL, ETC.	DESCR	IPTION							
d) PENSTOCK	LENGTH WID			TH/DIAMETER			DEPTH (IF FLU	ME)	PRESSUR	RE RATING (IF	PIPE)
	m					m		cm		`	kPa
				EVATIONS – LOWER END			Elevations may be expressed as heights above the level of the turbine.				
	TVDE	m				m					
e) TURBINE					TING						
f) GENERATION	TYPE RATING										
g) TAILRACE	FEATURES				Į.						
	DISCHARGES TO										
h) OTHER EQUIPMENT	STORAGE BATTER	RIES, ETC	- DESCR	RIPTION							

NOTE: IF SPACE IS INSUFFICIENT, PLEASE ATTACH THE REQUESTED INFORMATION IN A COVERING LETTER OR REPORT



Landowner's Consent Form (Application for a New Water Licence – Form 1 – Schedule D)

· ·	ption of the land: Lot number Section number District	ererererererere	
Copies of th	e following documen	ts are attached:	
1.	the application (the licence.]application for a was for the following pure	e "Application") in which [Name of applicant/a later licence on [Name of source] rpose/purposes and quantity/quantities:	makes
	Quantity		, and
2.	the drawing (the "D B.C. Reg. 204/88 [Orawing") referred to in section 2 (1) (k) of the see reverse].	· Water Regulation,
affected. [Tick one o I/we con I/we hav	f the following boxes sent to the Application se signed the Drawing	cation is granted, my/our land is or is likely to es to express your consent or objection] on, including the proposed works indicated in g to confirm that consent. on the following basis:	. , ,
INTO LICE FUR	ACCOUNT WHEN NCE MAY NEVERT	IS APPLICATION, YOUR OBJECTION WIL THE APPLICATION IS CONSIDERED. HO HELESS BE GRANTED UNDER THE WAT ON MAY BE OBTAINED FROM YOUR LOCA	WEVER, THE ER ACT.
Sig	nature of owner	Name of owner – please print	Date
Sig	nature of owner	Name of owner – please print	Date
	[Attac	h additional pages for signatures of other ow	ners. if necessary.

Section 2 (1) (k) of the Water Regulation, B.C. Reg. 204/88, provides:

- (1) An application for licence shall be signed in duplicate by the applicant or his agent and shall include the following information: ...
 - (k) an accurate, labeled drawing showing the land, mine or location where water is proposed to be used, the approximate location of the proposed works and any land that may be physically affected.



Government of British Columbia

Natural Resources Program Delivery - Water Licence Application

April 2006

An application for a water licence should be submitted to the office in your area which is indicated below. These offices will provide a preliminary review of your proposal. The Water Stewardship Division (WSD), of the Ministry of Environment (MOE) will adjudicate your application and provide you with a decision.

Cranbrook ILMB Office	Prince George Front Counter BC Office
1902 Theatre Rd	200-1488 4 th Ave
Cranbrook BC V1C 7G1	Prince George BC V2L 4Y2
Tel: 250 426-1766	Tel: 250 565-6779
Fax: 250 426-1767	Fax: 250 565-6941
Fort St. John ILMB Office	Smithers ILMB Office
370-10003 110 th Ave	3 rd fl 3726 Alfred Ave
Fort St. John BC V1J 6M7	Smithers BC V0J 2N0
Tel: 250 787-3415	Tel: 250 847-7260
Fax: 250 787-3219	Fax: 250 847-7556
Kamloops Front Counter BC Office	Surrey Front Counter BC Office
210-301 Victoria St	200-10428 153 rd St
Kamloops V2C 2A3	Surrey BC V3R 1E1
Tel: 250 372-2127	Tel: 604 586-4400
Fax: 250 377-2150	Fax: 604 586-4434
Nanaimo Front Counter BC Office	Williams Lake ILMB Office
2080 Labieux Rd	201-172 North Second Ave
Nanaimo BC V9T 6J9	Williams Lake BC V2G 1Z6
Tel: 250 751-7220	Tel: 250 398-4574
Fax: 250 751-7224	Fax: 250 398-4836

Additional Information on Natural Resources Program Delivery

Front Counter BC is a single window service for clients of provincial natural resource ministries and agencies (Web address: www.frontcounterbc.gov.bc.ca E-mail: Front Counter BC is the responsibility of the Integrated Land Management Bureau (ILMB).



A number of agencies will support the new Front Counter BC offices to ensure that seamless, well coordinated client services are provided. Former LWBC programs have been distributed to the following government ministries.

For information on any of these programs or policies related to them please contact the ILMB, Ministry of Agriculture and Lands office in your region.

Ministry of Agriculture and Lands

The Ministry of Agriculture and Lands has assumed the responsibility for issues related to the general management of Crown land. These include:

- allocating Crown land and tenure management of aquaculture
- aggregate and quarry materials
- agriculture
- general commercial use of Crown lands
- allocation of Crown land for communication sites, industrial, community and institutional use
- general industrial usage
- land and management transfers
- log handling, mining
- oil and gas
- private moorage
- reserves destinations and notations
- residential Crown land use and management tenures
- roadway allocations
- utilities use such as allocating Crown land for federally regulated oil and gas pipelines, sewer and water lines
- industrial outfall
- telephone and cable TV, and
- allocating, managing, and developing policies in regards to Crown land associated with Independent Power Projects

Ministry of Forests and Range

The Ministry of Forests and Range now has the responsibility for issues and policies related to grazing.

Ministry of Aboriginal Relations and Reconciliation

The Ministry of Aboriginal Relations and Reconciliation now has responsibility for aboriginal relations particularly in connection with land consultation practices and development of accommodation packages.

Ministry of Environment

The Ministry of Environment has assumed the responsibility for issues related to water policy and management. These include:

- water power
- water licensing and revenue management
- dam safety
- private water utilities management
- water use plans
- drought management
- water reserves and
- international water agreements.

Ministry of Energy, Mines and Petroleum Resources

The Ministry of Energy, Mines and Petroleum Resources now has the responsibility for issues and policies related to wind, geothermal and tidal power tenures.

Ministry of Tourism, Sport and the Arts

Commercial Recreation and the All Seasons Resorts division have been transferred to the Ministry of Tourism, Sport and the Arts. This includes issues and policies related to initiatives such as commercial alpine ski, golf courses or marinas.

Ministry of Transportation

The Ministry of Transportation now has responsibility for issues and policies related to Crown lands associated with airports and major port authorities.