

Qualified Professionals in the Mining and Municipal Wastewater Sectors Compliance Audit Report

ENVIRONMENTAL MANAGEMENT ACT
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BRITISH
COLUMBIA

Ministry of
Environment and
Climate Change Strategy

Executive Summary

The Qualified Professional Audit (the audit) set out to evaluate the use of Qualified Professionals in British Columbia's (B.C.) mining and municipal wastewater sectors in order to determine if they are in compliance with current regulatory requirements.

Over a decade ago, the B.C. government implemented a professional reliance regulatory model in its natural resource sector. Under the professional reliance model, B.C. delegates responsibility for some aspects of its regulatory processes to registered Qualified Professionals employed by industry proponents (Office of the Ombudsperson 2014). Since the professional reliance model is variable across regulatory regimes, this audit specifically focuses on assessing compliance with Qualified Professional conditions in mining and municipal wastewater authorizations.

There are currently 120 mines and 377 wastewater treatment facilities authorized to operate in B.C. Mines and wastewater treatment facilities require authorizations to define the terms under which they may discharge waste to the environment. Through a random selection process, the audit assessed 25 mine authorizations and 72 wastewater treatment authorizations by means of office review inspections to determine the level of compliance with Qualified Professional conditions.

Given the complexity of the professional reliance model in B.C., the audit takes a preliminary look into Qualified Professional compliance with current mining and municipal wastewater regulatory requirements.

Twenty-five mining authorizations were assessed for compliance with their Qualified Professional conditions; 80% were IN compliance. The other 20% were OUT of compliance and were issued an Advisory for being of a minor administrative nature. 72 municipal wastewater authorizations were assessed for compliance with their Qualified Professional conditions; 47% were IN compliance. The other 53% were OUT of compliance and were issued an Advisory for being of a minor administrative nature.

Given the results of the audit, the following recommendations have been made:

FOR THE MINING AND MUNICIPAL WASTEWATER INDUSTRIES

- 1.** Ensure documents are being signed by the Qualified Professional responsible for the document;
- 2.** Where a report provides recommendations, a professional opinion, or analysis of data, have the Qualified Professional sign and seal the report prior to submitting it to the Ministry of Environment and Climate Change Strategy;
- 3.** Periodically conduct background checks on Qualified Professionals to ensure that they are in good standing with their professional organization or association; and
- 4.** If applicable, ensure that the **Environmental Operators Certification Program** training requirements are met each year¹

COMPLIANCE PROMOTION AND ADDITIONAL AUDIT

- 5.** Promote the existing information for industry and professional associations/organizations outlining the government's expectations of Qualified Professionals;
- 6.** Provide an information package to industry representatives with information on how they can stay in compliance with their Qualified Professional conditions; and
- 7.** Conduct additional audits of Qualified Professionals. Suggestions for future audits:
 - »** Assess Qualified Professionals to determine if they are qualified to work on the projects that they are signing off on (i.e. if they are working within their area(s) of expertise);

¹ This recommendation is specific to the municipal wastewater industry.

- » Evaluate and provide recommendation on the auditing practices of professional associations/ organizations in B.C.;
- » Determine the number of out of province Qualified Professionals that are working in B.C. and assess whether these Qualified Professionals are qualified to conduct work in B.C.; and
- » Audit Qualified Professionals conducting environmental activities in other sectors regulated by the Environmental Management Act (EMA) or the Integrated Pest Management Act (IPMA).



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Introduction

Over a decade ago, the government of British Columbia (B.C.) implemented a professional reliance regulatory model in its natural resource sector. This type of model is described as a results-based model. This means that regulations specify a desired outcome but authorization holders determine how to achieve that outcome (Office of the Ombudsperson 2014)².

Under this model, the government of B.C. delegates responsibility for some aspects of its regulatory processes to registered Qualified Professionals employed by industry proponents (Office of the Ombudsperson 2014). The goal of the model is to improve the effectiveness and efficiency of administering the natural resource sector.

According to the **Municipal Wastewater Regulation** (MWR), “Qualified Professional” means an applied scientist or technologist specializing in a particular applied science or technology, including agrology, biology, chemistry, engineering, geology or hydrogeology:

- » who is registered in B.C. with the professional organization responsible for his or her area of expertise, acting under that professional association’s code of ethics and subject to disciplinary action by that association; and
- » who, through suitable education, experience, accreditation and knowledge, may be reasonably relied on to provide advice within his or her area of expertise as it relates to [the Municipal Wastewater Regulation].

Professional accountability is maintained primarily through the codes of ethics and disciplinary processes of professional associations. Qualified Professional associations can be divided into two main types:

2. “Authorization holder” refers to the individual/legal entity that retains an authorization under the Environmental Management Act or a registration under the Municipal Wastewater Regulation. If there are qualified professional conditions within the authorization then the authorization holder is responsible for ensuring that qualified professionals complete the work as specified in the authorization.

Self Regulating Professionals –belong to a professional association (either legislated or non-legislated) that establishes the standards for membership and adjudicates eligibility and competency to practice. These associations also conduct audits or investigations to evaluate the quality of members’ work and administer consequences for poor performance (QP Working Group 2014).

Accredited Practitioners – are qualified persons who have become qualified as a result of passing a test set by the government or another entity, or by obtaining a licence from the government which entitles them to carry out a certain trade or service or activity.

The focus of the audit is whether Qualified Professionals are meeting current regulatory requirements. However, given the complexity of the professional reliance model in B.C., this audit is preliminary in nature. Therefore, the objective of the audit is to determine the compliance rate of authorization holders with Qualified Professional conditions within applicable mining and municipal wastewater authorizations and regulations.

Examples of Qualified Professionals

Professional Biologist (R.P.Bio).

Professional Agrologist (P.Ag).

Professional Forester (RPF).

Professional Geoscientists (P.Geo).

Professional Engineer (P.Eng).

Applied Science Technologist (A.Sc.T).

Regulatory Context

Effective regulations provide a structure for a safe and healthy environment for British Columbians and a clear and predictable economic landscape for the business community. The Ministry of Environment and Climate Change Strategy (ministry) is responsible for the protection, management and conservation of B.C.'s water, land, air and living resources. In order to fulfil its mandate, the ministry establishes and administers a broad suite of regulatory requirements. Please refer to Table 1 below for an overview of the legislation that is relevant to this audit.

Please refer to [Appendix 1](#) for more information on legislation that is relevant to this audit.



Figure 1- Red Chris gold and copper mine (MEM 2014)

Table 1- Regulatory Context

<p>Environmental Management Act (EMA)</p>	<p>The Environmental Management Act (EMA) is the key ministry statute governing environmental protection and management in B.C.</p> <p>EMA regulates industrial and municipal waste discharges, pollution, air quality, hazardous waste and contaminated site remediation. It provides powers and authorities for ministry staff to verify compliance, to prevent and correct detrimental environmental impacts, to take enforcement actions and to respond to environmental emergencies.</p>
<p>Waste Discharge Regulation (WDR)</p>	<p>In B.C., any prescribed industry, trade, business, activity or operation must comply with all applicable regulatory requirements under EMA. These regulatory requirements are outlined in a variety of specific regulations or Codes of Practice.</p> <p>The Waste Discharge Regulation (WDR) defines what industries, activities and operations require authorizations to discharge or release waste to the air, water and land under EMA in B.C.</p>
<p>Municipal Wastewater Regulation (MWR)</p>	<p>The Municipal Wastewater Regulation (MWR) specifically outlines the registration, monitoring, operating, and reporting requirements that wastewater facilities must adhere to in order be exempt from EMA.</p>

Requirements Assessed During the Audit

MINING

B.C. mines must comply with site-specific authorizations that are granted under EMA. Authorizations define the terms and conditions under which an industry, activity or operation may discharge or release waste to the air, water, or land. Mining authorizations are required for effluent, refuse (i.e. landfills), air emissions and petroleum storage facilities.

Mining authorizations were assessed during the audit for consistency in the definition of what a Qualified Professional is, and whether Qualified Professionals were meeting the conditions in each authorization.

MUNICIPAL WASTEWATER

Municipal wastewater facilities are authorized in one of two ways:

- » **A site-specific authorization.**
The majority of the municipal wastewater facilities that existed prior to 2012 (and the enactment of the MWR) have site-specific authorizations.

Municipal wastewater authorizations were also assessed during the audit for consistency in the definition of what a Qualified Professional is, and whether Qualified Professionals were meeting the conditions in each authorization.

» A registration under the Municipal Wastewater Regulation.

The MWR was enacted in 2012. After its enactment, new municipal wastewater facilities, and older facilities that have implemented major upgrades, must be registered under the MWR. Compliance with the MWR provides authorization for a discharge of municipal effluent or use of reclaimed water in B.C.

The MWR has standard Qualified Professional conditions that apply to each facility that is registered under the regulation. The sections of the regulation assessed in the audit are administrative in nature and include registration, monitoring, operating and reporting requirements. Applicable sections are summarized in Table 2.

Table 2- Applicable Municipal Wastewater Regulation Sections

Section	Description	Section #
Registration	Information respecting wastewater facility design, plans, and studies.	13(b)
Environmental Impact Studies	Requirements for environmental impact studies.	19(1)
Operating Plans	General requirements of operating plans.	23
General Operating Requirements	Operator qualifications and certification.	47



Figure 2- Fording River Mine (MEM 2014)

Audit Approach

There are currently 120 mine facilities and 377 waste-water treatment facilities authorized to operate in B.C. To remove biases based on size, location, and company; authorizations were randomly selected to ensure that a variety of mine and municipal wastewater facilities were assessed (see [Appendix 2](#)). The majority of mining authorizations (60%) and municipal wastewater authorizations (51%) that were randomly selected did not include Qualified Professional conditions. These authorizations were screened out of the audit (see [Audit Limitations](#)). The remaining 25 mine authorizations and 72 wastewater treatment authorizations were assessed to determine the level of compliance with Qualified Professional conditions.

Given the wide geographic range of mines and municipal wastewater facilities in B.C.; an office review was determined to be the most suitable inspection method versus conducting on-site inspections. The majority of Qualified Professional conditions are administrative in nature and do not require on-site inspections to assess compliance.

COMPLIANCE INSPECTIONS

Compliance inspections are conducted to verify whether an authorization holder is in compliance with applicable regulatory requirements defined for the specific activity in question.

Compliance was determined through a thorough examination of each authorization's Qualified Professional conditions. Office reviews were completed by an Environmental Protection Officer. Each authorization that was assessed during the audit has a corresponding inspection report that lists the Qualified Professional conditions that were assessed, the compliance determination of the conditions (i.e. whether or not the authorization holder was in compliance) and any compliance/enforcement responses. The final inspection reports were then shared with the appropriate facility owners/operators.



Figure 3- Environment Protection Officer in the field (ENV 2016)

COMPLIANCE DETERMINATIONS

A critical component of each review is its compliance determination. A compliance determination indicates whether or not the authorization holder is in compliance with the Qualified Professional conditions that were assessed during each review. The compliance determinations used in the audit include the following:

- » **IN**
Mines and sewage treatment facilities determined to be 'IN' compliance, have met the requirements of the Qualified Professional sections and/or subsections of the authorization.

- » **OUT**
An 'OUT' of compliance determination will be given to mining and wastewater treatment facility authorizations which do not meet the requirements of the Qualified Professional conditions assessed.

An overall compliance determination of either "IN" or "OUT" was assigned to each authorization assessed in the audit.

COMPLIANCE AND ENFORCEMENT DETERMINATION RESPONSES

Compliance and enforcement responses are chosen to address the compliance determinations documented in reviews. The ministry bases its enforcement responses on the severity of actual or potential impacts to the environment, human health or public safety, the factual circumstances of the alleged contravention and the compliance history of the authorization holder (ENV 2016).

The **Compliance and Enforcement Policy and Procedure** sets out how ministry staff assess and respond to non-compliance. It includes the Non-Compliance Decision Matrix (the Matrix) that

is used to determine the appropriate enforcement responses to any non-compliance (**Appendix 3**). Both documents provide consistency, clarity and predictability regarding the consequences of non-compliance, and ensure that ministry resources are directed to the highest priorities.

A final decision on the appropriate compliance/enforcement response for the individual authorizations assessed during the audit was based on the Environmental Protection Officer’s professional judgment as well as the Matrix. All of the reviews included in the audit were either issued a notice or an advisory letter. Please refer to Table 3 for more information.

Table 3- Compliance and Enforcement Responses

Compliance and Enforcement Responses	
Notice	<p>Notices are a valuable compliance tool that document compliance and inform authorization holders of the outcome of inspections.</p> <p>A notice is issued when an authorization holder is found to be “in” compliance with the authorization requirements assessed during the inspection</p>
Advisory	<p>An advisory is often the first enforcement response taken in cases of minor to moderate non-compliance when there is a high likelihood of achieving compliance.</p> <p>They are issued when the non-compliance has little to no environmental impact or is administrative in nature and the regulated party is cooperative.</p> <p>An advisory notifies the authorization holder that they are not in compliance with a specific regulatory requirement and often recommends a course of action that is expected to achieve compliance.</p>
Warning	<p>Similar to an advisory, a warning notifies the authorization holder that they are “Out” of compliance with a specific regulatory requirement; however, the warning differs from an advisory in that it warns of the possibility of an escalating response should non-compliance continue.</p>
Administrative Monetary Penalty (AMP)	<p>An AMP is a monetary fine imposed by a ministry official in response to non-compliance.</p>

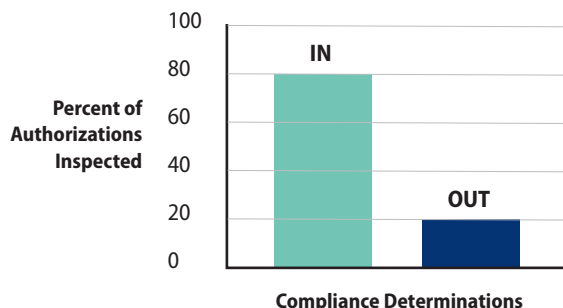
Audit Results

AUDIT LIMITATIONS

Given the complexity of the professional reliance model in B.C., the audit only takes a preliminary look into Qualified Professional compliance with current mining and municipal wastewater regulatory requirements. Therefore, audit limitations include the following:

- » The results of the audit should not be applied to other regulations and authorizations.
- » Authorizations containing no Qualified Professional conditions were not included in the audit. Many mining and municipal wastewater authorizations do not contain Qualified Professional conditions. This does not mean that Qualified Professionals are not involved in ensuring that the authorization holders meet their respective requirements; rather, assessing the use of Qualified Professionals in authorizations that do not contain any Qualified Professional conditions is beyond the scope of this audit.
- » The audit did not determine if the Qualified Professional was qualified to work on the projects that they signed off on (i.e. if they are working within their area(s) of expertise).
- » The audit did not assess the auditing practices of professional associations and/or organizations.
- » The audit did not assess how many out of province Qualified Professionals are working in B.C. or if those Qualified Professionals are qualified to work in B.C.

Figure 4 Mining Results



OBSERVATIONS

The majority of mining authorizations (60%) and municipal wastewater authorizations (51%) that were randomly selected for inspection did not include Qualified Professional conditions. These authorizations were not included in the audit (see [Audit Limitations](#)).

MINING

Twenty-five mining authorizations were assessed for compliance with their Qualified Professional clauses. Of these:

- » 80% were IN compliance.
- » 20% were OUT of compliance.

Authorizations that were IN compliance were issued a notice of compliance while those that were OUT of compliance were issued an advisory.

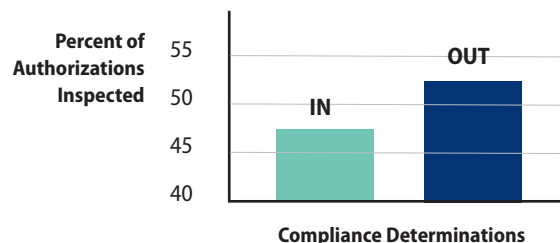
MUNICIPAL WASTEWATER

Seventy-two municipal wastewater authorizations were assessed in the audit. Of these:

- » 47% were IN compliance.
- » 53% were OUT of compliance.

Authorizations that were IN compliance were issued a notice of compliance while those that were OUT of compliance were issued an advisory.

Figure 5 Municipal Wastewater Results



Conclusion and Recommendations

OBJECTIVE

The objective of the audit was to determine the compliance rate of authorization holders with Qualified Professional conditions within applicable mining and municipal wastewater authorizations and regulations.

CONCLUSION

Twenty-five mining authorizations were assessed for compliance with their Qualified Professional conditions. Of these, 80% were IN compliance. The other 20% were OUT of compliance and were issued an Advisory for being of a minor administrative nature.

Seventy-two municipal wastewater authorizations were assessed for compliance with their Qualified Professional conditions. Of these, 47% were IN compliance. The other 53% were OUT of compliance and were issued an Advisory for being of a minor administrative nature.

RECOMMENDATIONS

Through the audit process, there were a number of challenges identified (e.g. varying definition of what a Qualified Professional is) which need to be overcome to encourage an increased rate of compliance with current regulations. Based on these challenges, this audit recommends the following:

For the Mining and Municipal Wastewater Industries

1. Ensure documents are being signed by the Qualified Professional responsible for the document;
2. Where a report provides recommendations, a professional opinion, or analysis of data, have the Qualified Professional sign and seal the report prior to submitting it to the Ministry of Environment and Climate Change Strategy;
3. Periodically conduct background checks on Qualified Professionals to ensure that they are in good standing with their professional organization or association; and
4. If applicable, ensure that the **Environmental Operators Certification Program** training requirements are met each year³.

Compliance Promotion and Additional Audit

5. Promote the existing information for industry and professional associations/organizations outlining the government's expectations of Qualified Professionals;
6. Provide an information package to industry representatives with information on how they can stay in compliance with their Qualified Professional conditions; and
7. Conduct additional audits of Qualified Professionals. Suggestions for future audits:
 - » Assess Qualified Professionals to determine if they are qualified to work on the projects that they are signing off on (i.e. if they are working within their area(s) of expertise);
 - » Evaluate and provide recommendation on the auditing practices of professional associations/organizations in B.C.;
 - » Determine the number of out of province Qualified Professionals that are working in B.C.; and assess whether these Qualified Professionals are qualified to conduct work in B.C.; and
 - » Audit Qualified Professionals conducting environmental activities in other sectors regulated by *Environmental Management Act* (EMA) or the *Integrated Pest Management Act* (IPMA).

³ This recommendation is specific to the municipal wastewater industry.

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Appendix 1- Legislation

ENVIRONMENTAL MANAGEMENT ACT

Mines and wastewater treatment facilities are regulated and authorised under the *Environmental Management Act*. Pertinent sections in this piece of legislation include:

Section 6 –Waste Disposal

6(2) Subject to subsection (5), a person must not introduce or cause or allow waste to be introduced into the environment in the course of conducting a prescribed industry, trade or business.

6(3) Subject to subsection (5), a person must not introduce or cause or allow to be introduced into the environment, waste produced by a prescribed activity or operation.

WASTE DISCHARGE REGULATION

Mines and wastewater treatment facilities are also regulated and authorised under the Waste Discharge Regulation. Applicable sections in the regulation utilized in the audit include:

Section 2 – Prescribed industries, trades, businesses, operations and activities

2(1) The industries, trades and businesses, and classes of industries, trades and businesses, listed in the Table in Schedule 1 and in column 1 of the Table in Schedule 2 are prescribed for the purposes of section 6(2) of the Act.

2(2) The activities and operations, and classes of activities and operations, listed in the Table in Schedule 1 and in column 1 of the Table in Schedule 2 are prescribed for the purposes of Section 6(3) of the Act.

Section 4 – Exemption from Section 6(2) and (3) of the Act by compliance with code of practice

4(8) For greater certainty, if
(a) The discharge of waste from an activity or operation of an industry, trade or business

described in subsection (1) (a) is not governed by the code of practice set out opposite the title of the industry, trade or business in the Table in Schedule 2, and

(b) The activity or operation is listed in the Table in Schedule 1 or in column 1 of the Table in Schedule 2.

MUNICIPAL WASTEWATER REGULATION

For the purpose of the audit, the following sections were assessed for Qualified Professional compliance with the Municipal Wastewater Regulation:

Section 13 – Information respecting wastewater facility design, plans and studies

13 The following information respecting wastewater facility design, plans and studies is required for registration:

(b) A copy of design drawings for the wastewater facility, including the discharge works, signed and stamped by a Qualified Professional;

Section 19 – Requirements for environmental impact studies

19(1) A Qualified Professional must conduct for a wastewater facility an environmental impact study that includes provisions for controlling environmental impacts during the construction and operation of the wastewater facility or site

Section 23 – General requirements of operating plans

23 A Qualified Professional must prepare for a wastewater facility an operating plan that details the requirements for all of the following:

Section 47 – Operator qualifications and certification

47 A discharger must not discharge unless the wastewater facility is operated and maintained by persons who

(a) Have the education, experience and qualifications specified in the operating plan, and
(b) Are certified under the Environmental Operators Certificate Program (EOCP).

Appendix 2- List of Authorized Mines and Municipal Wastewater Facilities Included in the Audit

The following tables include the authorizations that were randomly selected during the authorization selection process. Only those authorizations that include Qualified Professional conditions were assessed during the audit.

Auth #	Company Name
189	Teck Metals Ltd.
261	Copper Mountain Mine (BC) Ltd.
263	Glencore Canada Corporation
425	Teck Coal Limited
1307	Thompson Creek Mining Ltd.
1501	Teck Coal Limited
1505	Glencore Canada Corporation
1608	Glencore Canada Corporation
2399	Thompson Creek Mining Ltd.
2408	Nyrstar Myra Falls Ltd.
3439	Xstrata Canada Corporation
3821	Teck Coal Limited
3904	KGHM Ajax Mining Inc.
4750	Teck Coal Limited
4751	Teck Coal Limited
5346	Teck Coal Limited
5352	Teck Coal Limited
5353	Teck Coal Limited
5553	Mosquito Consolidated Gold Mines Limited
5556	Teck Coal Limited and Maxam Explosives, Inc.
5809	Sable Resources Ltd.
5907	HCA Mountain Minerals (Moberly) Limited
6167	Bethlehem Resources (1996) Corporation

Auth #	Company Name
6168	Bethlehem Resources (1996) Corporation
6248	Teck Coal Limited
6540	Teck Coal Limited
6725	Teck Coal Limited
6739	Teck Coal Limited
6757	Bullmoose Operating Corporation Ltd.
6764	Teck Coal Limited and Maxam Explosives Inc.
6858	Nyrstar Myra Falls Ltd.
6968	Netherlands Pacific Mining Company Inc.
7378	No. 75 Corporate Ventures Ltd.
7613	Barrick Gold Inc.
7726	Teck Coal Limited
8044	Boliden Limited
8147	Inmet Mining Corporation
8419	North American Metals Corp
9079	Barrick Gold Inc.
11478	Huldra Properties Inc.
12811	John Wolfe Construction Co. Ltd.
12977	Barrick Gold Inc.
13812	Teck Coal Limited
14480	Bralorne Gold Mines Ltd. Doing Business As Junior Exploration Mining
14483	Huckleberry Mines Ltd.
14590	Mount Polley Mining Corporation
14800	Huckleberry Mines Ltd.
15087	Mount Polley Mining Corporation
15335	Aurico Metals Inc.
15894	Highland Valley Copper Corporation
16034	Purcell Basin Minerals Inc.
17680	Conuma Coal Resources Limited
17756	Conuma Coal Resources Limited
18352	Electra Stone Ltd.
103704	Athabasca Nuclear Corp.
104777	Terrane Metals Corp.
104869	Gavin Mines Inc.
105082	Wolverine Coal Ltd.

Auth #	Company Name
105083	Wolverine Coal Ltd.
105410	Thompson Creek Mining Ltd.
105719	Chieftain Metals Inc.
106262	Gold Mountain Mining Corporation
106666	HD Mining International Ltd.
107605	Peace River Coal Inc.
23	Greater Vancouver Sewerage and Drainage District
30	Greater Vancouver Sewerage and Drainage District
73	City of Powell River
80	The City of Castlegar
82	District Of North Cowichan
96	Canexus Corporation
101	Village of Sayward
118	City of Powell River
120	Town of Ladysmith
133	The Corporation of The Village of Fruitvale
137	The Corporation of The District of Kent
146	City of Prince George
192	Village of Fraser Lake
197	The Corporation Of The Village of Cumberland
233	Greater Vancouver Sewerage and Drainage District
242	Capital Regional District
281	Western Forest Products Inc.
288	Regional District Of Bulkley-Nechako
297	City of Port Alberni
304	Spray Holdings Ltd.
311	City of Dawson Creek
312	Capital Regional District
324	Village of Port Alice
332	City of Port Alberni
338	Nanaimo Regional District
364	0950685 B.C. Ltd.
394	Midway, Village of
399	City of Kamloops

Auth #	Company Name
433	District of Logan Lake
1497	Duncan-North Cowichan Joint Utilities Board
1507	Granisle, Village Of
1622	W. Canadian Univ. Marine Biological Soc.
1640	Brentwood College Association
1693	Capital Regional District
1836	District of Taylor
2572	Roy Willick Logging Limited
7295	Idle-O-Apartments Inc.
7690	Quatam Enterprise Limited
7735	Cowichan Valley Regional District
7804	London Enterprises Limited
7817	Mount Currie Indian Band
8008	The Hesquiaht Indian Band
8016	Janet O'brien And Geoff Greaves
8038	Sally Anderson Nordstrom
8040	Elsworth Bros. Logging Ltd.
8069	The Clayoquot Band
8087	Quesnel Septic Tank Cleaning Service Ltd.
8096	Sumas Environmental Services Inc.
8401	M. M. & E. Holdings Ltd.
8409	Brian John Mckay
8495	Olympic View Golf Course
8538	School District Number 62 Sooke - Belmont School
8718	0792993 B.C. Ltd.
8719	Seabeam Lodge Ltd.
8945	School District No. 62 (Sooke)
10643	Channel Ridge Environmental Systems Ltd.
10767	Mark Orland and Dobbelaere, Jennifer Nichol Dba Seascape Re Wanstall
10822	Shadow Ridge Investments Ltd.
10885	The Harvest Golf Club Ltd.
11023	Figueria Holdings Ltd
11039	School District No. 68 Nanaimo

Auth #	Company Name
11043	Gavin Glen Beaton
11067	Duncan Meadows Golf Course Ltd.
11504	Michael A. Walker
11570	My Recreational Mountain Co-Operative Doing Business As My Mountain Coop, Shames Mountain
11580	485955 B.C. Ltd.
11758	Princeton, Town of
11844	Spider Lake Springs Holdings Inc.
12121	Parkbridge Lifestyle Communities Inc.
12176	Alberni Construction Ltd.
12212	The Corporation of The City Of Penticton
12302	School District No. 79
2592	Sproat Lake Mobile Home Estates Ltd.
2689	Lester B. Pearson College of The Pacific
3893	Cowichan Valley Regional District
4088	Sechelt, Corporation Of The District of
4103	International Forest Products Limited
4148	The Corporation of The City of Cranbrook
4168	District of Port Hardy
4187	British Columbia Ferry Services Inc.
4200	Nanaimo Regional District
4320	Shawnigan Lake School
4339	Greater Vancouver Sewerage and Drainage District
4436	Naramata Centre Society
4521	The Owners Strata Plan VR 559
4606	Strata Corporation Lms 3080
4678	Dennis James Siemens
4776	School District Number 62 Sooke - Belmont School
4864	Port Clements, Village of
5123	Mt. Washington Ski Resort Ltd.
5272	The Owners, Strata Plan 1024
5275	Northern Motor Inn Ltd.
5290	Cowichan Valley Regional District
5467	Fairmont Hot Springs Resort Ltd
5551	Kingfisher Oceanside Resort & Spa Ltd.
5577	City of Prince Rupert

Auth #	Company Name
5585	Ho Jun And Myong Hui Lee
5717	Bell li Services Ltd.
5897	BCG, Parks
6017	Apex Mountain Resort (1997) Ltd.
6053	Oak Bay Marina Ltd.
6155	The Alternate Pub (2010) Ltd.
6412	The Owners, Strata Plan No. VR 1290 (Black Tusk Strata Corporation)
6463	Colwood Lake Housing Society
6503	Grant M. And Lois Garnett
6819	Westshore Terminals Limited Partnership
7045	CLD Development Ltd.
7140	The Corporation of The Village of Zeballos
7180	Campbell's Babine Lodge
7192	Gallaghers Canyon Land Development Ltd.
12367	Telkwa, Village of
12496	School District No. 62 (Sooke)
12521	School District No.23, Kelowna
12561	Penrose Bay Estates (Phase II) Ltd.
12599	The Owners, Strata Plan VIS3637
12628	Ponderosa Pines R.V. Park Ltd.
12645	Regional District Of Kitimat-Stikine
12781	Bear Cove Parking And Storage Ltd.
12799	Strathcona Regional District
12964	The Owners, Strata Plan VIS 4676
13015	Kinaskan Investment Corporation
13155	463539 B.C. Ltd.
13256	Winger, William Lyons And Shirley Anne Dba Sagewood Mobile H
13404	Lee and Patsy Granberg Doing Business as Kendell Acres Mobile Home Park
13554	Deer Ridge Estates
13589	447615 B.C. Ltd.
13627	Summerland, District of
13930	Iron Mask Trailer Park
14610	0727039 B.C. Ltd.
14721	Echo Bay Developments Ltd.
14725	Telegraph Cove Utilities Ltd.

Auth #	Company Name
14763	600835 B.C. Ltd.
14798	Cowichan Valley Regional District
14843	Parks, Ministry of
15342	Duval Point Lodge Ltd.
16457	School District No. 79
16580	Cobblestone Inn Ltd.
16941	Michael A. Walker
18284	Cowichan Valley Regional District
100230	London Enterprises Limited Doing Business as Sonora Resort
100248	Good Hope Cannery Ltd.
100278	Arrow Lakes Developments Ltd.
100543	Cowichan Valley Regional District
103725	Arrowpoint Effluent Inc.
104744	609504 B.C. Ltd.
104769	0875436 B.C. Ltd.
104872	Coast Mountain Hydro Corp.

Appendix 3- Non-Compliance Decision Matrix

		Escalating Environmental, Human Health or Safety (Actual or Potential)				
		Level 1	Level 2	Level 3	Level 4	Level 5
Diminishing Likelihood of compliance. (Compliance history/ willingness and capacity to comply)	Category A (High)	Advisory	Advisory - Warning	Warning - Order - Admin Sanction - AP	Order - Admin Sanction - AP - Investigation	
	Category B	Advisory - Warning	Warning - AP	Investigation	<p>Investigation Note: An investigation is always necessary prior to issuance of a ticket, recommendation of formal charges or use of restorative justice therefore these tools are not shown on the matrix. Depending on the outcome, an investigation could also culminate in the issuance of a warning, administrative sanction or penalty, or an order.</p>	
	Category C	Advisory - AP	Warning - Order - Admin Sanction - AP			
	Category D	Warning - Order - Admin Sanction - AP	Admin Sanction - AP - Investigation			
	Category E (Low)	Order - Admin Sanction - AP - Investigation				

Categories of Likelihood of Compliance
(Compliance History/Willingness and Capacity to Comply)

Category A- Indications of future and ongoing compliance are very high

- No previous occurrences of non-compliance;
- Good demonstrated awareness of and/or capacity to meet regulatory requirements; and/or
- Offender has a reasonable and cooperative attitude

Category B- Indications of future and ongoing compliance are uncertain

- Few previous occurrences of non-compliance; and/or
- Questionable awareness of and/or capacity to meet regulatory requirements

Category C- Indications of future and ongoing compliance are unlikely

- Numerous previous occurrences of non-compliance; and/or
- Little or no awareness of and/or capacity to meet regulatory requirements

Category D- No indications of future and ongoing compliance

- Willful violation of ministry regulatory requirement; and/or;
- Little or no demonstrated awareness of and/or capacity to meet regulatory requirements

Category E- No indications of future and ongoing compliance

- Hindering or obstructing ministry official;
- Refusing to furnish required information; and/or
- Intentionally including false or misleading information in any required document.

**Levels of Escalating Environmental, Human Health or Safety Impacts
(Actual or Potential)**

Level 1

- Non compliance that does not result or is unlikely to result in any environmental, human health or safety impact; or
- Minor administrative non-compliance

Level 2

- Non compliance resulting in a minor, temporary impact to the environment or minor, temporary threat to human health or safety; or
- Significant administrative non-compliance

Level 3

- Non compliance resulting in a moderate, temporary impact to the environment or moderate, temporary threat to human health or safety.

Level 4

- Non compliance resulting in a significant impact to the environment or significant threat to human health or safety (may be temporary or permanent)

Level 5

- Known or likely human health impact that is severe in effect, i.e. resulting in hospitalization and/or long term human health consequences