Comox Valley REGIONAL DISTRICT

Staff report

DATE: September 7, 2017

FILE: 5340-01

TO: Chair and Members
Comox Valley Sewage Commission

FROM: Russell Dyson
Chief Administrative Officer

RE: Comox Valley Sewerage System Emergency Response Plan

Purpose
To present the Comox Valley Sewerage Service (CVSS) emergency response plan.

Policy Analysis
The Comox Valley Regional District operates a sewerage service primarily for the City of Courtenay and Town of Comox, established by Bylaw No. 2541, being the "Comox Valley Sewerage Service Establishment Bylaw No. 2451, 2003".

Development of an emergency response plan is included within the 2015-2018 Strategic Priorities Chart.

Executive Summary
In July 2017, the Comox Valley Sewage Commission was presented with the emergency spill response plan for the Comox Valley Regional District (CVRD). The plan identified potential areas of failure for the sewage forcemain and provided the CVRD with the necessary tools to respond to a failure and the necessary repair items.

Similar to the emergency spill response plan, the emergency response plan looks at the entire CVSS and provides response steps for emergencies for the entire system, including pump stations and the wastewater treatment facility. The emergency response plan is intended to be an evolving document and provides step by step response instructions for each situation in varying levels of detail. The plan is intended to be a living document that will be updated annually and provides response instructions for the majority of emergency situations that the CVSS may face, the level of detail within the plan will continue to be reviewed and updated or increased as needed. The emergency response plan provides individual instructions for the following emergency situations at each potential location within the CVSS that the emergency may occur:

- Loss of power- BC Hydro
- Loss of power- generator supply
- Chemical spills
- Sewage overflow
- Forcemain rupture (directs staff to spill response plan)
- Natural disaster

The emergency response plan is the first step for operators responding to emergency situations within the system and is intended to provide a starting point for emergency response. Should a rupture in the forcemain occur, the emergency response plan refers emergency responders to the

spill response plan, which provides repair instructions in greater detail due to the high level of consequence associated with a rupture of the forcemain. Both plans will be located within the on-call operator's truck at the Comox Valley Water Pollution Control Centre and at all pump stations for ease of reference at the time of emergency.

Recommendation from the Chief Administrative Officer:
For information purposes only.

Respectfully:

R. Dyson

Russell Dyson
Chief Administrative Officer

Prepared by:	Concurrence:	Concurrence:
Z. Berkey	***K. La Rose***	***M. Rutten***
Zoe Berkey, EIT Engineering Analyst	Kris La Rose, P.Eng Senior Manager of Water/Wastewater Services	Marc Rutten, P.Eng General Manager of Engineering Services

Attachments: Appendix A – "Emergency Response Plan"

Appendix A

Comox Valley
REGIONAL DISTRICT

Comox Valley Sewerage System Emergency Response Plan

Table of Contents

Executive Summary

Objective

The objective of this emergency response plan is to provide an outline for appropriate response to any incidents involving the release, or potential for release, of hazardous materials or substances from the Comox Valley Regional Districts (CVRD) Comox Valley Water Pollution Control Center (CVWPCC), sewage pumping stations, and sewage collection/conveyance systems.

Hazardous materials/substances in this plan

Sewage: Raw or incompletely treated wastewater conveyed to the CVWPCC via CVRD sewer mains.

Caustic soda: Sodium hydroxide (NaOH), is an alkali chemical base used by the CVWPCC for odour control and maintenance of clogged pumps and pipes.

Bleach: Sodium hypochlorite (NaOCl) is chemical compound used in solution with water by the CVWPCC for odour control.

Ferrous chloride: Iron (II) chloride ($FeCl_2$) is added at pumping stations and the CVWPCC for odour control.

Events and responses covered by this plan

- Loss of power - BC Hydro power supply
- Loss of power - generator supply
- Chemical spill
- Sewage overflow
- Forcemain rupture
- Natural disaster – flooding and earthquake

Overview of CVWPCC Plant and Infrastructure

Sewer services run by the CVRD consist of five pumping stations, three forcemains, two gravity collection lines, a siphon line, the CVWPCC treatment plant and a marine outfall. The system configuration is designed to convey and treat all of the sewage from the City of Courtenay, Town of Comox, CFB 19 Wing Comox, the K'ómoks First Nation Reserve and septage trucked in from the electoral areas.

Each of these facilities and structures are outlined in this document for the purpose of providing information on the ability to function in the event of fire, flood, earthquake and other natural disasters as well as issues such as loss of power, line rupture, overflow and mechanical failure.

CVWPCC Treatment Plant

The treatment plant is a level IV facility located at 445 Brent Road in Comox. The CVWPCC has a standby generator to power the plant in the event of a power outage and has sufficient fuel for 18 hours. The plant is designed to allow the main flow to travel by gravity through the plant with the generator providing power to the equipment deemed necessary for full treatment of sewage and processing of the solids handling stream. The plant alarm system will alert the operators to a host of different alarm conditions including high levels, power outage, generator failure and process equipment problems.

Hazardous substances used by the plant are located in the scrubber building, within the dewatering building, and within the warehouse area on the western side of the plant.

Scrubber building

This building contains 14,000 litres capacity container of bleach (sodium hypochlorite) and two 1,249 litres caustic soda (sodium hydroxide) totes used in the facility's odour control operations. These hazardous substances are stored on a grated floor above a sump pit. A sump pump line connects the sump pit to the plant's headworks.

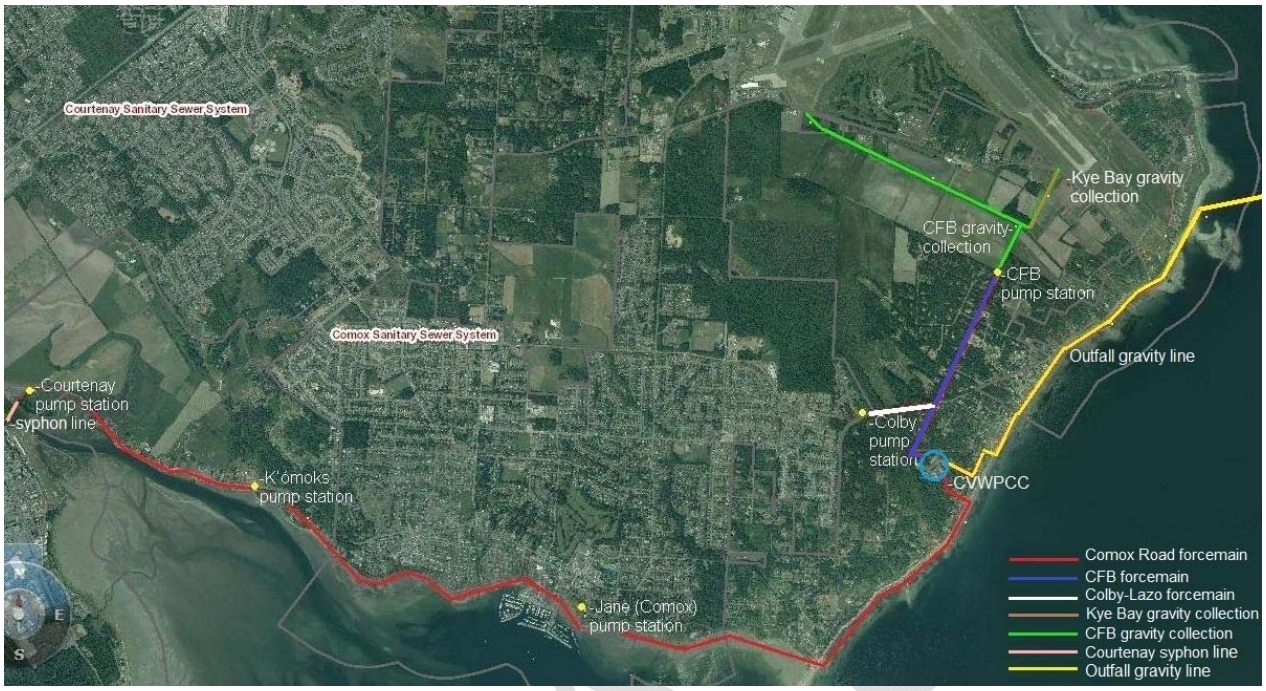
Dewatering building

The dewatering building contains a storage room for ferrous chloride (Fe (II) Cl). The storage room contains a 5,000 litres capacity container of ferrous chloride for use in the plant's equalization tank. The storage area is housed within the room by a secondary containment structure. There are drains located in close proximity to this spill containment area: one sump drain is located in the truck bay and another is a storm drain located outside the building.

Warehouse area

A final hazardous substances storage area, used for excess supply of 1,200 litres caustic soda (sodium hydroxide) totes, is found in the warehouse area. This area is only used as contingency, as all hazardous substances are ordered on the basis of demand and not stockpiled. Spill response in this area requires runoff to be directed to the sump pump station with the aid of sandbags and gravity.

Force mains, Collection lines, and Outfall



Comox Road forcemain

The Comox Road forcemain conveys 94 per cent of all sewage flow in the Comox Valley sewerage system. The line is eight kilometers long and can be isolated at various points. Should a major line failure occur before the Comox pump station, line isolation would allow down stream flows to continue to the CVWPCC but no flow from the City of Courtenay would be possible. An isolation past the Comox pump station would effectively stop all flows from Courtenay pump station, Comox pump station and First Nations pump station. Many sections of the Comox Road forcemain extend past the shore and beyond the high tide mark. A rupture in this area would represent a discharge to water scenario, with its own procedure and call list as outlined in the *Event and Response* section.

CFB Comox forcemain

The CFB Comox forcemain begins at the CFB Comox pumping station and extends two kilometers to the CVWPCC headworks. The forcemain could be isolated at the CFB Comox pumping station thus stopping all flow from this line in the event of a rupture.

CFB Comox gravity collection

Between the CFB Comox pumping station and the CFB 19 Wing Comox is a gravity collection line. While all other collection lines in the valley are under the jurisdiction of their respective municipalities, the CFB Comox collection line is maintained by the CVRD.

Courtenay-Comox siphon line

A siphoned pipe line is buried across the Puntledge River, feeding the Courtenay pumping station. An event at the Courtenay-Comox siphon line would also likely present a discharge to water scenario.

Gravity outfall line

CVWPCC plant effluent is discharged via a 2.9 kilometer gravity outfall to Point Holmes, where it extends out three kilometers into the Strait of Georgia. An event along this is line is once again a discharge to water scenario.

Pumping Stations

Courtenay pumping station

All of the City of Courtenay flow enters the system at the Courtenay sewage pumping station located at 1991 Comox Road. This station consists of three variable speed dry well pumps and a diesel backup generator. The station is designed to operate with one pump handling normal flows, the second pump available for peak wet weather flows and the third pump as a standby should one pump fail or be down for maintenance.

In the event of a power failure the standby generator will start automatically and provide power for up to two pumps. There is an 18 hour supply of fuel at the station. Pump start and stop levels are controlled by ultrasonic level monitoring with a redundant system should one unit fail. An alarm system will alert an operator in the event of a pump failure, power loss, generator failure, high level or signal loss from the level controller. In the event of a total station failure, the station wet well provides for a very limited amount of storage estimated to be between 20-30 minutes of average dry weather flow (ADWF). There are no provisions for an overflow discharge from the station. The station is constructed with concrete and steel and meets the earthquake standards that were in place at time of construction (1982). This station discharges into the Comox Road forcemain.

The Courtenay pump station has two 9,000 litre chemical storage tanks for ferrous chloride. These tanks sit in a sealed containment structure that is designed to contain any spill or tank rupture. In the event of a major leak, the contained liquid could be drained into the station wet well over a period of time and pumped to the CVWPCC for treatment. The offloading area also has a containment berm that would direct any spill that occurred while offloading into the station wet well.

K'ómoks First Nation pumping station

This station handles sewage flows originating from K'ómoks First Nation lands. It consists of an in-ground duplex pump system with the pumps alternating on start-up and the second pump (lag pump) coming on in the event the called pump (lead pump) should fail. There is no standby power at this station, however there is considerable storage estimated at 12 hours during ADWF should a power outage occur. In the event of an outage exceeding the 12 hours the station is pumped out via a contract pumper truck and is hauled to the CVWPCC for disposal into the plant headworks. An alarm system will alert an operator in the event of pump failure, power outage or high level. This station discharges into the Comox Road forcemain.

Town of Comox pumping station

The Comox pumping station is located at 91 Jane Place in Comox and handles 94 per cent of the Town of Comox flow. This station has three fixed speed submersible pumps and a diesel backup generator. The station is designed to operate with one pump handling normal flows, the second pump available for peak wet weather flows and the third pump as a standby should one pump fail or be down for maintenance. In the event of a power failure the standby generator will start automatically and provide power for up to two pumps. There is an 18 hour supply of fuel at the station. Pump start/stops are controlled by float switches in the station wet well. An alarm system

will alert an operator in the event of a pump failure, power loss, generator failure, or high level. In the event of a total station failure, the station wet well provides for a very limited amount of storage estimated to be between 15-20 minutes of ADWF. There are no provisions for an overflow discharge from the station. The station is constructed with concrete and steel and meets the earthquake standards that were in place at time of construction (1982). This station is the last station to discharge into the Comox Road forcemain.

CFB Comox pumping station

CFB Comox pumping station, located at 899 Brent Road, handles all of the sewage flows from the CFB 19 Wing Comox base. Sewage flows into to the station via a gravity main, which is also part of the Comox Valley sewerage system. This station has three fixed speed submersible pumps and a diesel backup generator. The station is designed to operate with one pump handling normal flows, the second pump available for peak wet weather flows and the third pump as a standby should one pump fail or be down for maintenance. In the event of a power failure the standby generator will start automatically and provide power for up to two pumps. There is a 20 hour supply of fuel at the station. Pump start/stops are controlled by float switches in the station wet well. An alarm system will alert an operator in the event of a pump failure, power loss, generator failure, or high level. In the event of a total station failure, the station wet well provides for storage of an estimated 60 minutes of ADWF. There are no provisions for an overflow discharge from the station, however the gravity main would likely spill into the water course known as the Queens Ditch should sufficient flow back up into the line above the top of the lowest manhole. The station is constructed with concrete and steel and meets the earthquake standards that were in place at time of construction (1982). This station discharges to a forcemain that ends at the CVWPCC.

Colby Road pumping station

Colby Road pumping station is located at the corner of Lazo and Colby Roads. It receives flow from the Town of Comox and accounts for approximately five per cent of the total Town of Comox flow. It consists of a duplex, in-ground pumping station with diesel standby power. There is sufficient fuel to run the generator for up to 18 hours. Pump start/stops are controlled by float switches in the wet well. An alarm system will alert an operator in the event of a pump failure, power loss, generator failure, or high level. In the event of a total station failure, the station wet well provides for storage of an estimated 20 minutes of ADWF. There are no provisions for an overflow discharge from the station. It discharges via a small diameter forcemain into the CFB Comox forcemain close to the junction of Lazo and Brent Roads.

Event and Response

Loss of Power – BC Hydro Supply

CVWPCC

- Respond to alarm and assess the situation
- Contact BC Hydro and notify them of the location of the outage by giving the BC Hydro station identification **(SLID# 0002290976)** that is posted at each station and request an estimate of the duration of the power outage
- Ensure that the generator is running properly
- Ensure that the equipment is operating properly
- Check fuel levels and arrange for refuelling of the standby generator if the outage is expected to last for an extended period that would deplete the fuel supply below half a tank
- Once BC Hydro power is back in service check the plant equipment for proper operation

Courtenay pumping station

- Respond to alarm and assess the situation
- Contact BC Hydro and notify them of the location of the outage by giving the BC Hydro station identification (**SLID# 0002465186**) that is posted at each station and request an estimate of the duration of the power outage
- Ensure that the generator is running properly
- Ensure that the equipment is operating properly
- Check fuel levels and arrange for refuelling of the standby generator if the outage is expected to last for an extended period that would deplete the fuel supply below half a tank
- Once BC Hydro power is back in service check the station equipment for proper operation

K'ómoks First Nation pumping station

- Respond to alarm and assess the situation
- Contact BC Hydro and notify them of the location of the outage by giving the BC Hydro station identification (**SLID# 0002220206**) that is posted at each station and request an estimate of the duration of the power outage
- Monitor wet well level, estimating how many hours of ADWF it can contain
- Make an informed decision based on the estimated resumption of service time and the wet well's remaining capacity, as to whether a pump truck should be called in:
    - See *Pump Trucks* header in the *Emergency Phone List* section at the end of this document
- Once BC Hydro power is back in service, check the station equipment for proper operation

Town of Comox pumping station

- Respond to alarm and assess the situation
- Contact BC Hydro and notify them of the location of the outage by giving the BC Hydro station identification (**SLID# 0002289036**) that is posted at each station and request an estimate of the duration of the power outage
- Ensure that the generator is running properly
- Ensure that the equipment is operating properly
- Check fuel levels and arrange for refuelling of the standby generator if the outage is expected to last for an extended period that would deplete the fuel supply below half a tank
- Once BC Hydro power is back in service check the station equipment for proper operation

CFB Comox pumping station

- Respond to alarm and assess the situation
- Contact BC Hydro and notify them of the location of the outage by giving the BC Hydro station identification (**use account# 9146 0920 081**) that is posted at each station and request an estimate of the duration of the power outage
- Ensure that the generator is running properly
- Ensure that the equipment is operating properly
- Check fuel levels and arrange for refuelling of the standby generator if the outage is expected to last for an extended period that would deplete the fuel supply below half a tank
- Once BC Hydro power is back in service check the station equipment for proper operation

Colby Road pumping station

- Respond to alarm and assess the situation
- Contact BC Hydro and notify them of the location of the outage by giving the BC Hydro station identification (**SLID# 0002289036**) that is posted at each station and request an estimate of the duration of the power outage
- Ensure that the generator is running properly
- Ensure that the equipment is operating properly
- Check fuel levels and arrange for refuelling of the standby generator if the outage is expected to last for an extended period that would deplete the fuel supply below half a tank
- Once BC Hydro power is back in service check the station equipment for proper operation

Loss of Power – Generator Supply

CVWPCC

- Respond to alarm and assess the situation
- Check fuel levels
- Contact electrician
    - See *Power Failure* header in the *Emergency Phone List* section at the end of this document
- Contact local generator servicing companies
    - See *Power Failure* header in the *Emergency Phone List* section at the end of this document
- Once power is back in service check the station equipment for proper operation

Courtenay pumping station

- Respond to alarm and assess the situation
- Notify the City of Courtenay so they may be on alert for potential back-ups within their collection system.
- Check fuel levels
- Contact electrician
    - See *Power Failure* header in the *Emergency Phone List* section at the end of this document
- Contact local generator servicing companies
    - See *Power Failure* header in the *Emergency Phone List* section at the end of this document
- Check wet level and estimate its remaining capacity
- Contact pump truck companies
    - See *Pump Trucks* header in the *Emergency Phone List* section at the end of this document
- Once power is back in service check the station equipment for proper operation

Town of Comox pumping station

- Respond to alarm and assess the situation
- Notify the Town of Comox so they may be on alert for potential back-ups within their collection system
- Check fuel levels
- Contact electrician
    - See *Power Failure* header in the *Emergency Phone List* section at the end of this document
- Contact local generator servicing companies
    - See *Power Failure* header in the *Emergency Phone List* section at the end of this document
- Check wet level and estimate its remaining capacity
- Contact pump truck companies
    - See *Pump Trucks* header in the *Emergency Phone List* section at the end of this document
- Once power is back in service check the station equipment for proper operation.

CFB Comox pumping station

- Respond to alarm and assess the situation
- Notify the Town of Comox so they may be on alert for potential back-ups within their collection system.
- Check fuel levels
- Contact electrician
    - See *Power Failure* header in the *Emergency Phone List* section at the end of this document
- Contact local generator servicing companies
    - See *Power Failure* header in the *Emergency Phone List* section at the end of this document
- Check wet level and estimate its remaining capacity
- Notify the CFB 19 Wing Comox so they may be on alert for potential back-ups within their collection system
- Contact pump truck companies:
    - See *Pump Trucks* header in the *Emergency Phone List* section at the end of this document
- Once power is back in service check the station equipment for proper operation

Colby Road pumping station

- Respond to alarm and assess the situation
- Check fuel levels
- Contact electrician
    - See *Power Failure* header in the *Emergency Phone List* section at the end of this document
- Contact local generator servicing companies
    - See *Power Failure* header in the *Emergency Phone List* section at the end of this document
- Check wet level and estimate its remaining capacity
- Contact pump truck companies
    - See *Pump Trucks* header in the *Emergency Phone List* section at the end of this document
- Once power is back in service check the station equipment for proper operation

Chemical Spill

CVWPCC scrubber building

- Alert colleagues onsite or call a backup person to assist if you are working alone (never deal with a spill alone)
- Respond to alarm and assess the spill from outside the building by looking through the glass
- Wear appropriate PPE for a hazardous substance spill:
    - Breathing apparatus
    - Eyewear and/or splash mask
    - Rubber boots and gloves
    - Gas detector
- Isolate the spill (if possible and safe to do so)
- Manually activate the sump pump inside the building
- Exit the building and continue to assess the situation by ensuring the hazardous substance is being diverted to the pump station on its way to headworks

CVWPCC dewatering building

- Alert colleagues onsite or call-out to give notification you are entering the containment area
- Respond to alarm and assess the spill
- Wear appropriate PPE for a hazardous substance spill:
    - Breathing apparatus
    - Eyewear and/or splash mask
    - Rubber boots and gloves
    - Gas detector
- Isolate the spill (if possible and safe to do so)
- Use a portable pump to lift spill out of containment area and into truck bay where sump drain is located

CVWPCC secondary storage area

- Alert colleagues onsite or call-out to give notification you are entering the containment area
- Respond to alarm and assess the spill
- Wear appropriate PPE for a hazardous substance spill:
    - Breathing apparatus
    - Eyewear and/or splash mask
    - Rubber boots and gloves
    - Gas detector
- Isolate the spill (if possible and safe to do so)
- Ensure the spill is properly directed to the sump pump station with gravity and sandbags if necessary

Courtenay pump station

- Alert colleagues onsite or call-out to give notification you are entering the containment area
- Respond to alarm and assess the spill
- Wear appropriate PPE for a hazardous substance spill:
    - Breathing apparatus
    - Eyewear and/or splash mask
    - Rubber boots and gloves
    - Gas detector
- Isolate the spill (if possible and safe to do so)
- Ensure spill drains into the wet-well via drain located between the two tanks within the containment area
- Depending on the size of the spill, force main pumps may have to be staggered to ensure no process disruptions once the substance enters the CVWPCC treatment process

Sewage Overflow

Overflow on land

- Respond to notification and assess the overflow
    - Identify the reason for the overflow: power loss, blockage, or rupture?
- Notify manager or the senior operator if the manager cannot be contacted
- Coordinate with the City of Courtenay, Town of Comox, K'ómoks First Nation or CFB 19 Wing Comox as appropriate and required for the jurisdiction affected.
- If the overflow is due to power loss, prioritize restoring power as per *Power Loss* guidelines before intervening with the overflow or until additional operators arrive
- If overflow is caused by blockage, arrange for a rodder truck under *Rodder Truck* header of *Emergency Phone List*
- Determine the direction of flow for the sewage
    - Check manholes and attempt to divert flow to their location if possible
- Divert: redirect spill away from property and environmentally sensitive areas using sandbags or earth berms.
- Arrange for pumper trucks for removal of resulting sewage build-up as well as site clean-up if necessary
- Before intervening, wear appropriate PPE for a hazardous substance spill:
    - Breathing apparatus
    - Eyewear and/or splash mask
    - Rubber boots and gloves
    - Gas detector
- Mark off the area and post warning signs
- All sewage spills over 200 litres in volume must be reported to Emergency Management BC (EMBC)
- If necessary, coordinate with EMBC and CVRD to release a public advisory of the event using various forms of media

Overflow to water

- Respond to alarm and assess the overflow
    - Identify the reason for the overflow: power loss, blockage, or rupture?
- Notify manager or the senior operator if the manager cannot be contacted
- Coordinate with the City of Courtenay, Town of Comox, K'ómoks First Nation or CFB 19 Wing Comox as appropriate and required for the jurisdiction affected
- If the overflow is due to power loss, prioritize restoring power as per *Power Loss* guidelines before intervening with the overflow or until additional operators arrive
- If overflow is caused by blockage, arrange for a rodder truck under *Rodder Truck* header of *Emergency Phone List*
- Determine the direction of flow for the sewage
- Divert: redirect spill away from water, property and environmentally sensitive areas using sandbags or earth berms.
- Arrange for pumper trucks for removal of resulting sewage build-up as well as site clean-up if necessary
- Before intervening, wear appropriate PPE for a hazardous substance spill:
    - Breathing apparatus
    - Eyewear and/or splash mask
    - Rubber boots and gloves
    - Gas detector
- Mark off the area and post warning signs
- All sewage spills over 200 litres in volume must be reported to EMBC
- If necessary, coordinate with EMBC and CVRD to release a public advisory of the event using various forms of media

Forcemain Rupture

- Refer to Spill Response Plan
- Proceed to **Appendix H: Spill Response Checklist**
- Complete tasks in order as identified on the spill response checklist
    - Further information for each task is available within various sections of the spill response plan and is referenced on the checklist

Natural Disaster

The response to emergencies created by an earthquake or flood would be dependent on the severity. It would be necessary to assess the nature of the damage to the sewage system as well as the contributing communities' collection systems.

- Contact manager and/or senior operator
- Assess the power situation at the plant
    - Is the backup generator running? Should it be turned off to save fuel until a full assessment is made of the rest of the infrastructure and the greater situation in the valley?
- Visit each pump station and assess generator/fuel supply. Observe incoming flows: enact *Sewage Overflow* protocol or mitigation measures if necessary
    - If main power is off, make a note to check K'ómoks First Nation pump station within 15 hours of the event
- Assess the health of force mains by comparing flows at pump stations: enact *Forcemain Rupture* protocol if necessary
- Intervention should prioritize **human, property and environmental** interests, in that order
- Coordinate with EMBC for any spills and for access to CVWPCC's field hospital/supplies area if necessary

Emergency Phone List (Last updated June 28, 2017)

Spill Reporting and Medical Emergency

	Home / Office #	Cell #	Emergency #
Environmental Emergency Program 24 hour spill reporting			1 800 663-3456
Canadian Coast Guard 24-Hour Marine Spill Reporting			1 800 889-8852
WorkSafe BC 24-hour worksite emergency reporting	250 338-8701		1 800 621-7233
CVRD Emergency Program Coordinator Howie Siemens	1 250 334-8890		
Ministry of Environment- Environmental Protection Division (Nanaimo)	1 250 751-3100		
Poison Control Center	1 800 567-8911		
BC Ambulance	250 338-7471		911
St. Joes Hospital	250 339-2242		911
RCMP	250 338-1321		911
Comox Fire	250 339-2434		911
Courtenay Fire	250 334-2513		911

Power Failure

	Home / Office #	Cell #	Emergency #
BC Hydro	1 888 769-3766		
Fortis	1 800 663-9911		
Fuel Truck Enex Fuels	1 866 973-3639	select prompt Fuel Dispatch	
Village of Cumberland	250 336-2291		250 336-2291
City of Courtenay (Works Yard)	250 338-1525		250 334-2947
Town of Comox (Works Yard)	250 339-5410	Brett 250 897-8022	250 338-9434
Elio	1 778 678-5300		
A & K Electric (Dennis)	1 604 323 6810	1 778 988-4326 (Colin)	
Houle Electric	250 339-4805	250 465-2199 (Brandon) Todd 250 792-1736	
Canadian Industrial Power & Control LTD.	250 334-4142	250 334-7048 (Bob Surgenor)	
250-492-0723 (Martin) 250 650 0920 (Jack) last resort Karen 250 338-1353 (H) 250 218-7216 C			

Plant/Pump station hydro registration

BUILDING	ADDRESS	SLID #	Account Number
CVWPCC	445 Brent Road	OOO2290976	9146 0923 152
Courtenay pump station	20th st./Comox Rd	OOO2465186	9146 9848 071
Jane Place pump station	81 Jane Place	OOO2249016	9145 8045 731
CFB Comox pump station	899 Brent Rd.		9146 0920 081
Reserve pump station	3330 Comox RD.	OOO2220206	9111 0001 601
Colby Road pump station	480 Colby Rd.	OOO2289036	9146 0900 771

Generator Services Companies

	Home / Office #	Cell #	Emergency #
Shields Industrial	250 334-4197		250 334-6514
Whites Diesel	1 250 287 2627	Jr. 1 250 203-0736	Jerry 1 250 203-9782
Discovery Diesel	1 250 286-9621		

Pump/Rodder Trucks

	Home / Office #	Cell #	Emergency #
Yellow Truck Septic	250 792-1122		
Coast Environmental	250 246-3216		250 207-7464
Valley Septic	250 218-5404		
Able & Ready	250 338-8822	250 897-0686	
Wacor Holdings	250 287-9644		250 287-4742
Badger Daylighting	778 585-0091		250 618-3252
Walco Industries	1 888 599 2526		250 203 4742
J.R Edgett (Vactor)	250-339-6100	250 703-3787 (Bruce)	250 703-1007 (Gord)
City of Courtenay (Works Yard)	250 338-1525		250 334-2947
Town of Comox (Works Yard)	250 339-5410	Brett 250 897-8022	250 338-9434

Excavators

	Home/Office #	Cell #	Emergency #
J. R. Edgett Excavating	250-339-6100	250-703-3787 (Bruce)	250-703-1007 (Gord)
Leighton Contracting	250-338-6460		
Wacor Holdings	250 287-9644	250 287-4742	
Ridgeline Contracting	250 898-7648		

Internal Contacts

	Home / Office #	Cell #	Emergency #
CVWPCC	250 339-5231		
On Call Cell Phone / Pager	250 334-7410	PAGER - 1 888 777-5985	
Dewatering Cell Phone	250 218-2200		
Compost Site	250 702-1825	250 218-1027	
Prices Alarms	1 888 817-8415		
Village of Cumberland	250 336-2291		250 336-2291
City of Courtenay (Works Yard)	250 338-1525		250 334-2947
Town of Comox (Works Yard)	250 339-5410	Brett 250 897-8022	250 338-9434