

Auth: 107598

Track: 333273

Business Services

OCT 28 2014

Received



HAZARDS WASTE REGULATION – Section 14 Closure Plan

Registered Company Name and Address

Normtek Radiation Services Ltd.
115, 1925 – 18th Ave NE, Calgary, AB T2E 7T8

Facility Name & Address

Normtek FSJ Decontamination Facility
9676 Swanson Street, Fort St. John, BC V1J 4J2

Contact: Cody Cuthill, President and CEO
Phone: 250 785-6800
Fax: 403 457-4707
e-mail: cody@normtek.com

Landowner: CnL Resources Ltd.
1113 East Chestermere Drive, Chestermere, AB T1X 1R2
Contact: Cody Cuthill Phone: 403 968-6626

Legal Description: Plan: PGP23652 Lot: 8 Range: 18 Township: 83 Section: 33 W6M
Latitude Coordinates: 56° 14' 34" Longitude Coordinates: 121° 13' 25"

Ministry Reference Number: XXXXX

Version No.: 1
Date: Oct 23, 2014

Closure Plan

Hazardous waste held on site is limited to leachable toxic waste. Normtek only contains a small quantity of Leachable toxic Waste, as its core business is in the management of Naturally Occurring Radioactive Materials (NORM). Closure of the facility is completed through disposal of the leachable toxic waste to a facility licensed to accept the leachable toxic waste. Normtek's facility is not intended to be subject to a definitive closure time frame, in that the facility is a decontamination facility and waste is accepted processed and sent for off-site licensed disposal on a regular basis. In the event the facility is shut down it is estimated all hazardous waste can be removed from the facility within 30 days. The facility closure is dependent on obtaining appropriate laboratory analysis and arranging shipping the leachable toxic waste. Leachable toxic waste stored is directed to the disposal facility and residue in tanks is removed by vacuum truck to disposal. The following schedule outlines the maximum time frame for closure.

Closure Schedule

Waste sample and analysis	20 Days
Disposal approvals	8 Days
Trucking	2 Days
Total days to remove hazardous waste from facility	30 Days

Decontamination as per section 14(2)(b) of the hazardous waste regulations is included in trucking as a vac truck would be utilized to remove the leachable toxic waste from the on-site tanks. No residues will remain on site after closure.

Cody Cuthill



President & CEO
Normtek Radiation Services Ltd.

Auth: 107598
Track: 333273

Business Services

OCT 28 2014

Received



HAZARDS WASTE REGULATION – Demonstration Trial

Registered Company Name and Address

Normtek Radiation Services Ltd.
115, 1925 – 18th Ave NE, Calgary, AB T2E 7T8

Facility Name & Address

Normtek FSJ Decontamination Facility
9676 Swanson Street, Fort St. John, BC V1J 4J2

Contact: Cody Cuthill, President and CEO
Phone: 250 785-6800
Fax: 403 457-4707
e-mail: cody@normtek.com

Landowner: CnL Resources Ltd.
1113 East Chestermere Drive, Chestermere, AB T1X 1R2
Contact: Cody Cuthill Phone: 403 968-6626

Legal Description: Plan: PGP23652 Lot: 8 Range: 18 Township: 83 Section: 33 W6M
Latitude Coordinates: 56° 14' 34" Longitude Coordinates: 121° 13' 25"

Ministry Reference Number: XXXXX

Version No.: 1
Date: 14 Aug 2014

Demonstration Trail

Hazardous waste held on site is limited to leachable toxic waste. Normtek only contains a small quantity of Leachable toxic Waste, as its core business is in the management of Naturally Occurring Radioactive Materials (NORM). Normtek presently completes treatment of produced water filters for removal of the NORM impacted materials. Some of the filter contain, as co-contaminate, leachable toxic waste. The produced water filters are not processed because of the leachable toxic waste properties but rather the radioactive properties.^{s.21}
s.21

The liquids are pumped off to another transport container, tested for radioactivity to confirm they are not above Health Canada's Canadian NORM Guidelines unrestricted release limits then disposed of at one of BC MOE facilities licensed to take waste of this nature near Fort St. John BC. The solids and any liquids that could not be pumped off are tested for radioactivity and disposed of out of province at one Saskatchewan's NORM salt cavern's licensed to accept the NORM and leachable toxic waste as a co-contaminate.

No emissions to the atmosphere occur and the process does not cause any detrimental effect to the environment of human health. This is a standard industry practise for decontaminating NORM impacted filters. As such it is not expected that any further demonstrations of Normtek's process is required.

Cody Cuthill

A handwritten signature in cursive script, appearing to read 'Cody Cuthill', written in dark ink.

President & CEO
Normtek Radiation Services Ltd.

Auth: 107598 Track: 333273



Business Services

OCT 28 2014

Received

HAZARDS WASTE REGULATION - Section 11 Contingency Plan

Registered Company Name and Address

Normtek Radiation Services Ltd.
115, 1925 - 18th Ave NE, Calgary, AB T2E 7T8

Facility Name & Address

Normtek FSJ Decontamination Facility
9676 Swanson Street, Fort St. John, BC V1J 4J2

Contact: Cody Cuthill, President and CEO
Phone: 250 785-6800
Fax: 403 457-4707
e-mail: cody@normtek.com

Landowner: CnL Resources Ltd.
1113 East Chestermere Drive, Chestermere, AB T1X 1R2
Contact: Cody Cuthill Phone: 403 968-6626

Legal Description: Plan: PGP23652 Lot: 8 Range: 18 Township: 83 Section: 33
W6M

Latitude Coordinates: 56° 14'34" Longitude Coordinates:
121° 13' 25"

Ministry Reference Number: XXXXX

Version No.: 1
Date: 24 Oct 2014

Plans and Specifications

As per section 4 (1) of the hazardous waste Regulations Normtek enlisted the services of Ghostpine Environmental Services Ltd to complete the plans and specifications (see Appendix 1).

Appendix 1

Ghostpine Environmental Services Ltd. Plans and
Specifications

Page 09 to/à Page 19

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1.0 Introduction

Normtek receives equipment and waste that is impacted with Naturally Occurring Radioactive Material (NORM), for temporary storage, decontamination, consolidation, classification and packaging before being transported off-site for disposal. Materials are received from all industries that generate NORM both within BC and outside BC. Handling and management of these NORM impacted wastes are completed in compliance with the Canadian NORM Guidelines and generally accepted radiation protection principles and practices. Radioactive materials are not governed under the BC Hazardous waste regulations (HWR) as they exhibit radioactive properties and not flammable, reactive, corrosive or toxic properties, as defined by hazardous waste regulations. However, some NORM waste can also exhibit these hazardous properties as co-contaminates within the waste. These include tank bottom waste and filter waste with hydrocarbon residues from oil and gas installations. Normtek does not dispose of any waste on site and uses authorized third party facilities throughout Canada for disposal. Disposal is dependent on the authorized third party facilities license and characterization of the waste being disposed. Waste received is typically in the following forms:

- Produced water filters (PWF)
- Tubulars
- Small equipment - wellheads, flow-lines, refractories or scrap metal
- Large equipment – vessels, separators, treaters and FWKO's
- Frac Sands
- Pipeline tools
- Large containers – Vacuum containers and Soil bins (Tank and pipeline sludge's or contaminated soils)
- Small containerized waste – drums and bins of mixed waste (PPE, metal, rags, soils, sludge's)

Upon arrival of a shipment a waste manifest is obtained to verify contents of the shipment. In accordance with the Canadian NORM Guidelines, all shipments of NORM are to be accompanied by a manifest with the descriptor "Naturally Occurring Radioactive Materials - NORM". NORM waste with activities greater than 70 Bq/g with the exception of U-238, Th232, Th230 and Th228 of which the limit is 10 Bq/g, fall under the Packaging and Transport of Nuclear substances regulations. These wastes typically fall into four categories;

- Excepted package, Limited Quantity of Materials UN2910
- Surface Contaminated Objects (SCO-1, SCO-11) UN2912
- Low Specific Activity LSA-1 UN2913
- Type A Package UN2915

Shipments with leachable toxic waste as a secondary contaminate are also identified within waste received by Normtek. Shipments are visually inspected to verify the waste was contained during transport in accordance with the Canadian NORM Guidelines or Packaging and Transport of Nuclear Substances and BC Hazardous waste regulations if identified as a leachable toxic waste.

A visual inspection of incoming shipments is conducted to verify that the contents on the manifest match the contents of the shipment and verify whether the manifest identifies if any hazardous properties exist. The receiver section is completed and records maintained accordingly. Produced water filters which are also classified as leachable toxic waste are received in bins, drums or packaging which form the primary containment for the waste. NORM Tank bottom wastes, which are also classified as leachable toxic waste, are received in sealed roll off transport containers (Vacuum boxes) which form the primary containment.

Wastes identified with radiological properties only are stored within the facility boundaries that provide the least worker exposure to the gamma radiation. Wastes which are identified with a secondary hazard as leachable toxic waste, are stored in one of two storage areas, (Decontamination Pad or Storage Shelter) that provide for secondary containment s.21
s.21

s.21

s.21

2.0 Hazardous Waste Stored or Treated

Waste Name	Max. Quantity Stored	Treatment Rate
Leachable Toxic Waste (Produced Water Filters contaminated with hydrocarbon, BTEX or Self Heating properties) (Non-TDG Regulated)	100,000 Kg	10,000 Kg/d
Leachable Toxic Waste (Tank Bottoms) [Non-TDG Regulated]	100,000 Kg	n/a

3.0 Monitoring

3.1 Waste Characterization Monitoring

s.21

3.2 Storm Water Effluent Monitoring

Normtek's facility is located on 3.69 acres parcel of land in an industrial section of Fort St. John. The facility is ditched on all four sides that prevent storm water from entering the facility. As such, only monitoring of surface run off water is anticipated.

3.3 Monitoring Effluent Discharge to Sanitary Sewer

No effluent is discharged at the facility into any sanitary sewer system. The sanitary sewer consists of a sewage holding tank which is not hooked to any facility processing areas. The sanitary sewer is pumped out and taken to the town of Fort St. John sewer plant. No analysis of sewer is anticipated.

3.4 Treatment Protocol

The facility treats filters due to the radiological properties found within the waste and not the hazardous component (Leachable toxic waste). The leachable toxic waste found within the filters follows the radiological waste and is collected as facility tank bottom waste. s.21

s.21

3.5 Groundwater Monitoring

Groundwater quality will be monitored annually by sampling groundwater wells located on the perimeter of the facility as per the ground water analysis completed by Ghostpine Environmental (See Appendix C).

3.6 Surface Water Monitoring

The facility will upon approval be contoured and bermed so as to contain all surface water on site. All surface water is directed to the proposed surface water run off pond. The surface water run off pond shall contain 3400 m³ of water. This amount exceeds the estimated annual snowfall of 1,900 m³ and half the annual precipitation for the area. A proposed surface water run off pond is diagram is included in appendix C from Prodesign Inc.

Testing of the surface run off pond will be conducted as per schedule 1.2 column 2 of the Hazardous Waste Regulations. Monitoring results, noting environmental impacts that exceed applicable water quality objectives along with the development of an action plan or corrective measures to be taken, will be summarized and included in the annual report to the Ministry of Environment.

3.7 Air Emissions

Monitoring of emissions to the atmosphere from the facility for low level radioactive dusts and radon gas is conducted regularly during operations and documented once per year during decontamination of equipment. Monitoring for gamma ray emissions is conducted on a regular basis to determine NORM impacted equipment storage locations and a monthly documented survey of the fence line is completed. Personnel doses are also monitored quarterly through the use of dosimeter badges through Health Canada's national dosimeter program. At no time shall the property line dose rate at any point be allowed to provide a potential exposure to members of the public of Health Canada's dose constraint of 0.3 mSv/a. Estimates to be conservatively based off a public member spending 1 hour per day next to the property line each and every day for 200 days per year. As such the associated dose rate not to be exceeded

excluding background is 1.5 µSv/hr. Monitoring results, noting impacts that exceed applicable air quality objectives, outlined by Health Canada's NORM Guidelines, along with the development of an action plan or corrective measures to be taken, will be summarized and included in the annual report to the Ministry of Environment.

3.8 Residual Waste

Leachable Toxic Waste residues found within Normtek's process tanks (tank Bottom Waste) are known to have leachable toxic waste characteristics. These waste will be transported out of province to a salt cavern licensed to accept materials of this nature. Confirmatory analysis is not required as the process is known to contain leachable toxic waste from receipt. Annual volumes of tank bottom waste will be reported in the annual report.

3.9 Tank Integrity Testing

A tank integrity testing program consists of visual and non-destructive inspections of all tanks and sumps at the facility. Normtek inspects all tanks visually during removal of waste for disposal and documents the inspection at minimum once per year. Normtek shall conduct non-destructive testing in addition to the visual inspections every 3 years. Non-destructive testing techniques include ultrasonic thickness, magnetic particle, liquid penetrant and x-ray as appropriate. Result will be recorded and corrective action taken as required. Results will be provided in the annual report.

3.10 Spill Reporting and Soil Monitoring

Annual soil monitoring will be conducted through gamma emissions testing to verify if any radiological contaminants within the soils are found. Storage area's which provide false positives will be identified accordingly. Any spill identified will be tested for radionuclide activity and verified if any leachable toxic waste properties exist. Spills will be reported in accordance with the spill reporting regulations. Monitoring results noting impacts that exceed Health Canada's NORM Guidelines, and spill volumes that exceed the spill reporting regulations limits will be summarized and included in the annual report.

4.0 Reporting

An annual report will be submitted to the Ministry of Environment which includes the following information:

- A summary of monthly records of waste received, shipped and processed, with the month-end inventory (including tank bottom waste generated).

- A summary of the manifest discrepancies with an outline of effort taken to reduce discrepancies in the future.
- A summary of the results of the Section 3 monitoring program.
- An assessment of the groundwater and surface water monitoring data by a qualified professional to determine environmental impacts. Any issues identified will be addressed by an action plan.
- A summary of inspection results.
- Tank integrity testing and inspection results
- The annual report will identify any noncompliance issues at the facility and how the issues were addressed with recommendations for resolving the noncompliance of any outstanding issue.

The summary report will be prepared for submission to the Environmental Protection Regional Manager by January 31 each year, with the first report due January 31, 2015.

5.0 Auditing

Audits of the facility are conducted by most generators prior to receiving waste. An audit of the facility will be conducted annually by an independent qualified professional acceptable by the director. This annual frequency will continue for 2 years to develop a track record of compliance. Then, if supported by the Director, an audit will be conducted once every 3 years. Where a significant noncompliance issue is found as determined by the Director, an audit will be conducted every six months until compliance is achieved.]

The audit will review compliance of the hazardous waste facility in terms of all aspects of the Hazardous Waste Regulation, including assessment of compliance with approved plans, waste information documentation, and delisting protocol. The audit report will include a summary of the professional qualifications of the auditor and will include a summary of noncompliance issues. The audit report will be submitted with recommendations for resolving any noncompliance issues. The audit report will be signed by the auditor with the following statement **"Standard auditing principles were followed and the audit represents a true compliance assessment of the facility in terms of the Hazardous Waste Regulation"**. The audit report will be submitted to the Environmental Protection Regional Manager by Jan 31st each year, with the first report due Jan 31, 2015. Where a significant noncompliance issue is found as determined by the Director, an audit will be conducted every six months until compliance is achieved.

Page 28 to/à Page 31

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s.21

Appendix C

**Ghostpine Environmental Ground Water
Monitoring Plan**

Page 33 to/à Page 44

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Track: 333273

FORM 1 (S. 43)

Business Services

NOV 03 2014

Received

Reason for Submittal:

☒ To provide an Initial Registration Report **BCA + RS NUMBERS**

☐ To provide Subsequent Notification of changes to a registration report for

Registration No. / Provincial ID	BCG
----------------------------------	-----

Dated

03/Mar/2014

OR

Registered Site (RS) No. RS

Dated

08/Mar/2014.

If this is Subsequent Notification, please indicate what changes are being reported

☐ Facility Name Change☐ Mailing Address Change

Management Company Change

- ▮ Adding a Waste Type

Removing a Waste Type

☐ Changing Quantity of Previously Registered Waste(s)☐ Other Describe _____

Instructions

- (1) A person required to register under section 43 (1) or to give notice under section 43 (3) must complete this form.
- (2) Identification numbers are site specific: complete a separate form for each hazardous waste site.
- (3) All persons must complete parts A and D. Complete part B for facilities that generate hazardous waste. Complete part C for management facilities. Some generator facilities may also be management facilities, and in that case, parts A, B, C and D must be completed. ***Note: a generator that temporarily stores hazardous waste before shipping it to a management facility is not considered to be a management facility.***
- (4) Send original Form 1 to: Regional Manager, Environmental Protection at the applicable regional office. Retain a copy for your records.
- (5) Please print or type the required information on the form.

Definition:

Physical State: L=Liquid; S=Solid; G=Gas; SL=sludge.

Waste Identification: Name of Waste: (a) TDG Regulations classified Hazardous Wastes - enter UN Number, TDG Class and waste name in accordance with TDG Regulations, (b) hazardous wastes not regulated by TDGR: enter "N/A" for UN Number and TDG Class, use defined hazardous waste name.

Produced/30-day period: Estimate of amount produced.

Storage/Capacity: Maximum storage or capacity of the facility (under the regulation for each type of waste)

Units: Use metric, litres or kilograms (L or kg).

Handling codes: 01 storage; 02 thermal treatment; 03 chemical treatment;

04 physical treatment; 05 biological treatment; 06 secure landfill;

07 recycled; 08 solidification;

09 other, please specify ☐ 11

10 land farming; 11 off site management.

A. FACILITY INFORMATION

- (1) Registered corporate name (as filed with the Registrar of Companies in British Columbia).

Registered Name: Normtek Radiation Services Ltd

Trade Name: Normtek

Corporate Number issued by Registrar of Companies: 2117515052

If the generator/facility owner is a partnership or proprietorship provide the full name of the principal(s): Lisa DeAnne Cuthill

- (2) Corporate address (Full postal mailing address)

Street Address: 115, 1925-18th Ave NE

City: Calgary

Prov: AB

Postal Code: T2E 7T8

- (3) Primary contact information at mailing address (Print Name, Telephone, Fax and email address)

Name: Cody Cuthill

Telephone: 403-968-6626

Fax: 403-457-4707

Email: cody@normtek.com

- (4) Facility/site physical address, PO Box is not acceptable.

Street Address: 9676 Swanson Street

City: Fort St. John

Prov: BC

Postal Code: V1J 4J2

- (5) If no physical address can be provided for the site, complete the location coordinates below.

Latitude: Deg.

Min.

Sec.

Longitude: Deg.

Min.

Sec.

- (6) Standard Industrial Classification (SIC): 562,210

Note: The SIC system was developed to provide a method to define and classify establishments according to their primary activity. Please provide the SIC code that best describes the activities of this facility/site.

- (7) Are there any discharges from the facility? ☒ Yes ☐ No

If, yes, indicate the nature of the discharge:

☐ Air Emission

☒ Effluent

☐ Residue (Solids, Sludge, etc.)

Describe the discharge:

storm water - 1.2.
SURFACE WATER

- (8) If there are effluent discharges (as indicated above), indicate the receiving site:

Municipal Sewer

☐ Yes

☐ No

Storm Sewer/Environment

☒ Yes

☐ No

B. HAZARDOUS WASTE GENERATOR:

Note: A generator ordinarily generates and stores hazardous waste onsite and ships the hazardous waste to a management or disposal facility. However, some generator facilities may also be management facilities. If a generator facility is also a management facility, the generator must also complete Part C.

(1) Generator type (Sawmill, Restaurant, Petroleum Refinery, Residence, etc.)

Naturally Occurring Radioactive Materials - NORM Management facility

(2) Source / process generating the Hazardous Waste (e.g. maintenance shop)

Decontamination Facility

(3) List the name, address and License to Transport number of the principal intended hazardous waste carrier(s)/ transporter(s) for each waste type; attach a separate sheet if necessary

KB Carriers Ltd. 8 Lake Stafford Drive Brooks Alberta - T1T1S1

(4) List the name and address of the principal intended receiver(s)/consignee(s) where you intend to ship the hazardous wastes generated for each waste type; attach a separate sheet if necessary

Palins Environmental Melville Salt Cavern - 06-29-022-06 W2M
Tervita Corporation Unity Salt Cavern - 14-04-040-22 W3M

(5) Complete the following table:

Physical State	Waste Identification			Quantity		Unit (L kg)	Handling Code
	Name of Waste	TDG UN #	TDG Class	Produced/ 30-day period	In Storage		
a)	Leachable Toxic Waste	N/A	N/A	400	5,000	KG	01
b)							
c)							
d)							
e)							

(6) Is the mode of generation ongoing, intermittent or one-time only?

Ongoing ☐

Intermittent ☒

One-time only ☐

C. HAZARDOUS WASTE MANAGEMENT FACILITY:

(1) Check the appropriate box below:

Onsite Management Facility ☒ Receiver of Hazardous Waste ☒

Return Collection Facility (for household hazardous wastes) ☐

(2) Type of activity (Check all that apply)

Store ☒ Treat ☐ Recycle ☐ Dispose ☐

(3) Complete the following table:

Physical State	Waste Identification			Quantity	Unit (L kg)	Handling Code
	Name of Waste	TDG UN #	TDG Class	Storage Capacity		
a)	Leachable Toxic Waste - Filters	NA	NA	100,000	KG	01
b)	Self Heating Filters			10,000	KG	01
c)	Leachable Toxic Waste - Tank Bottoms	NA	NA	100,000	KG	01
d)						
e)						

D. CERTIFICATION:

(1) I certify that the information provided on this form is correct and complete.

Normtek Radiation Services Ltd.

PRINT COMPANY NAME IF APPLICABLE

Cody Cuthill

PRINT NAME

403-968-6626

TELEPHONE NUMBER

403-457-4707

FAX NUMBER

SIGNATURE

DATE (DD/MM/YY)

apx 5 truck loads.

*edits by B
Black
March 6/14*



Business Services

FEB 10 2015

Received

HAZARDS WASTE REGULATION – Section 11 Contingency Plan

Registered Company Name and Address

Normtek Radiation Services Ltd.
115, 1925 – 18th Ave NE, Calgary, AB T2E 7T8

Facility Name & Address

Normtek FSJ Decontamination Facility
9676 Swanson Street, Fort St. John, BC V1J 4J2

Contact: Cody Cuthill, President and CEO
Phone: 250 785-6800
Fax: 403 457-4707
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Landowner: CnL Resources Ltd.
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Contact: Cody Cuthill Phone: 403 968-6626

Legal Description: Plan: PGP23652 Lot: 8 Range: 18 Township: 83 Section: 33 W6M
Latitude Coordinates: 56° 14' 34" Longitude Coordinates: 121° 13' 25"

Ministry Reference Number: XXXXX

Version No.: 1
Date: 24 Oct 2014

Contingency Plan

Hazardous waste held on site is limited to leachable toxic waste. Normtek only contains a small quantity of Leachable toxic Waste, as its core business is in the management of Naturally Occurring Radioactive Materials (NORM). Appendix 1 contains a copy of Normtek's Emergency Response Plan (contingency plan).

Shut Down Procedures

Normtek's facility stores hazardous waste or decontaminates filter in a hydro-press which utilizes water for cleaning the filters. No processes are carried on during operations that are required to be shut down in the event of an emergency with the exception of equipment being used by personnel on site. Personnel are required if possible to shut down equipment they are using during an emergency. This equipment includes vehicles or small engine equipment such as pressure washers.

Communication Network

The Emergency Response Plan is located and posted in the office and workers change rooms. This plan outlines the current communication requirements in the event of an emergency. Emergencies at the facility are identified by a long continuous blast of a horn or siren. Workers proceed to the muster area where the supervisor in charge accounts for all personnel and informs the Emergency Response Coordinator of the situation. The Emergency Response Coordinator contacts appropriate senior management of the company and any outside emergency response authorities required for the situation. A 24 hour emergency contact number is posted at the entrance to the facility for after hour emergencies.

Notification Procedures

The Emergency Response Coordinator or designate is responsible for contacting the police, fire departments, emergency response teams, ambulance or medical services and contractors, business's, schools or residents in the area as required. The Emergency Response Coordinator also contacts Normtek's senior management who will contact any governments and deal with media if required.

Evacuation of Facility Staff

In the event of an emergency staff are evacuated to one of two muster stations at the sound of a continuous horn or siren. Muster stations are posted within the facility at strategic locations.

Abatement Measures

Should an incident be minor in seriousness, workers may diffuse the situation. Workers have been advised their safety is of utmost importance and to contact authorities if a minor situation grows.

Inventories of Spill Response Equipment

All spill response equipment is maintained on site by Normtek. Due to the nature of the business, equipment from contractors, adjacent business's or regional suppliers is not required. Normtek's business is waste management specialized in naturally occurring radioactive materials including responding to client spills involving NORM. Normtek maintains on site, as per requirements of 11(d) of the HWR, spill containment vacuum containers, bins, pads, pumps and vacuum equipment along with PPE including disposable coveralls and respiratory protective equipment, required to use the equipment. Spill response equipment and supplies are available from several suppliers in the Fort St. John area including:

Northern Metallic Sales - 10219-94 Ave Fort St. John BC

Brogan Safety Supplies - 9606 Sikanni Road Fort St. John BC

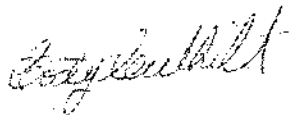
AAA Safety - 10422 Alaska Road Fort St. John BC

Guillevin Safety - 10219-94 Ave Fort St. John BC

Emergency Response Coordinator

Normtek's Emergency Response Coordinator is Rob Wilson, the facility Manager, and alternate Cody Cuthill. Copies of the emergency response plan are located at The facility and included in appendix 1.

Cody Cuthill



President & CEO
Normtek Radiation Services Ltd.

Appendix 1

Emergency Response Plan



Emergency Response Plan

Company name: NormTek Radiation Services Ltd.

Location: Fort St John Decontamination Facility
9676 Swanson Street
Fort St John, BC V1J 5T8
NE1/4-18-083-33 W6M

Date completed: Feb 28, 2014

Completed by: Curtis McKinnon, Vice President NormTek

Emergency operations coordinator (EOC)

The emergency operations coordinator (EOC) is the person who serves as the main contact person for the company in an emergency. The EOC is responsible for making decisions and following the steps described in this emergency response plan. In the event of an emergency occurring within or affecting the worksite, the primary contact will serve as the EOC. If the primary contact is unable to fulfill the EOC duties, the secondary contact will take on this role.

Primary contact

Name: Rob Wilson

Telephone number: 587-284-6676

E-mail: rob@normtek.com

Secondary contact

Name: Cody Cuthill

Telephone number: 403-968-6626

E-mail: cody@normtek.com

Tertiary contact

Name: Curtis McKinnon

Telephone number: 403-813-3933

E-mail: curtis@normtek.com

Emergency contact numbers

Fire station: 250.785.4333

Ambulance: 911

Police: 250.787.8100

Hospital: 250-262-5200

Please note that all numbers above can be contacted using 911 and if it is an emergency 911 would be the preferred contact number.

Poison Control: 1-800-567-8911

Natural Gas Emergencies: 1-800-663-1173

Power Outages and Emergencies: 1-888-769-3766

Call Before You Dig: 1-800-474-6886

Potential emergencies

The following potential emergencies have been identified in hazard assessments:

1. MEDICAL
2. FIRE
3. SEVERE WEATHER
4. BOMB THREAT
5. CHEMICAL SPILL
6. EXTENDED POWER LOSS

MEDICAL EMERGENCY

- Call medical emergency phone number (check applicable):
 - ☐ Paramedics
 - ☐ Ambulance
 - ☐ Fire Department
 - ☐ Other

Provide the following information:

- a. Nature of medical emergency,
 - b. Location of the emergency (address, building, room number), and
 - c. Your name and phone number from which you are calling.
- Do not move victim unless absolutely necessary.
 - If personnel trained in First Aid are not available, as a minimum, attempt to provide the following assistance:
 1. Stop the bleeding with firm pressure on the wounds (note: avoid contact with blood or other bodily fluids).
 2. Clear the air passages using the Heimlich Maneuver in case of choking.
 - In case of rendering assistance to personnel exposed to hazardous materials, consult the Material Safety Data Sheet (MSDS) and wear the appropriate personal protective equipment. Attempt first aid ONLY if trained and qualified.

FIRE EMERGENCY

When fire is discovered:

- Activate the nearest fire alarm (if installed)
- Notify the local Fire Department by calling
- If the fire alarm is not available, notify the site personnel about the fire emergency by the following means (check applicable):
 - ☐ Voice Communication
 - ☐ Phone Paging
 - ☐ Radio
 - ☐ Other (specify)

Fight the fire ONLY if:

- The Fire Department has been notified.
- The fire is small and is not spreading to other areas.
- Escaping the area is possible by backing up to the nearest exit.
- The fire extinguisher is in working condition and personnel are trained to use it.

Upon being notified about the fire emergency, occupants must:

- Leave the building using the designated escape routes.
- Assemble in the designated area (specify location):
- Remain outside until the competent authority (Designated Official or designee) announces that it is safe to reenter.

Designated Official, Emergency Coordinator or supervisors must (underline one):

- Disconnect utilities and equipment unless doing so jeopardizes his/her safety.
- Coordinate an orderly evacuation of personnel.
- Perform an accurate head count of personnel reported to the designated area.
- Determine a rescue method to locate missing personnel.
- Provide the Fire Department personnel with the necessary information about the facility.
- Perform assessment and coordinate weather forecast office emergency closing procedures

Area/Floor Monitors must:

- Ensure that all employees have evacuated the area/floor.
- Report any problems to the Emergency Coordinator at the assembly area.

Assistants to Physically Challenged should:

- Assist all physically challenged employees in emergency evacuation.

EXTENDED POWER LOSS

In the event of extended power loss to a facility certain precautionary measures should be taken depending on the geographical location and environment of the facility:

- Unnecessary electrical equipment and appliances should be turned off in the event that power restoration would surge causing damage to electronics and effecting sensitive equipment.
- Facilities with freezing temperatures should turn off and drain the following lines in the event of a long term power loss.
 - Fire sprinkler system
 - Standpipes
 - Potable water lines
 - Toilets
 - Add propylene-glycol to drains to prevent traps from freezing
- Equipment that contain fluids that may freeze due to long term exposure to freezing temperatures should be moved to heated areas, drained of liquids, or provided with auxiliary heat sources.

Upon Restoration of heat and power:

- Electronic equipment should be brought up to ambient temperatures before energizing to prevent condensate from forming on circuitry.
- Fire and potable water piping should be checked for leaks from freeze damage after the heat has been restored to the facility and water turned back on.

CHEMICAL SPILL

The following are the locations of:

Spill Containment and Security Equipment: Main Shop

Personal Protective Equipment (PPE): PPE Room

MSDS: Office

When a Large Chemical Spill has occurred:

- Immediately notify the designated official and Emergency Coordinator. It will be their job to determine if provincial authorities need to be notified of the spill.
- Contain the spill with available equipment (e.g., pads, booms, absorbent powder, etc.).
- Secure the area and alert other site personnel.
- Do not attempt to clean the spill unless trained to do so.
- Attend to injured personnel and call the medical emergency number, if required.
- Evacuate building as necessary

When a Small Chemical Spill has occurred:

- Notify the Emergency Coordinator and/or supervisor (select one).
- If toxic fumes are present, secure the area (with caution tapes or cones) to prevent other personnel from entering.
- Deal with the spill in accordance with the instructions described in the MSDS.
- Small spills must be handled in a safe manner, while wearing the proper PPE.
- Review the general spill cleanup procedures.

SEVERE WEATHER AND NATURAL DISASTERS

Tornado:

- When a warning is issued by sirens or other means, seek inside shelter.

Consider the following:

- Small interior rooms on the lowest floor and without windows,
 - Hallways on the lowest floor away from doors and windows, and
 - Rooms constructed with reinforced concrete, brick, or block with no windows.
-
- Stay away from outside walls and windows.
 - Use arms to protect head and neck.
 - Remain sheltered until the tornado threat is announced to be over.

Earthquake:

- Stay calm and await instructions from the Emergency Coordinator or the designated official.
- Keep away from overhead fixtures, windows, filing cabinets, and electrical power.
- Assist people with disabilities in finding a safe place.
- Evacuate as instructed by the Emergency Coordinator and/or the designated official.

Flood:

If indoors:

- Be ready to evacuate as directed by the Emergency Coordinator and/or the designated official.
- Follow the recommended primary or secondary evacuation routes.

If outdoors:

- Climb to high ground and stay there.
- Avoid walking or driving through flood water.
- If car stalls, abandon it immediately and climb to a higher ground.

Blizzard:

If indoors:

- Stay calm and await instructions from the Emergency Coordinator or the designated official.
- Stay indoors!
- If there is no heat:
 - Close off unneeded rooms or areas.
 - Stuff towels or rags in cracks under doors.
 - Cover windows at night.

- Eat and drink. Food provides the body with energy and heat. Fluids prevent dehydration.
 - Wear layers of loose-fitting, light-weight, warm clothing, if available.
- If outdoors:
- Find a dry shelter. Cover all exposed parts of the body.
 - If shelter is not available:
 - Prepare a lean-to, wind break, or snow cave for protection from the wind.
 - Build a fire for heat and to attract attention. Place rocks around the fire to absorb and reflect heat.
 - Do not eat snow. It will lower your body temperature. Melt it first.
- If stranded in a car or truck:
- Stay in the vehicle!
 - Run the motor about ten minutes each hour. Open the windows a little for fresh air to avoid carbon monoxide poisoning. Make sure the exhaust pipe is not blocked.
 - Make yourself visible to rescuers.
 - Turn on the dome light at night when running the engine.
 - Tie a colored cloth to your antenna or door.
 - Raise the hood after the snow stops falling.
 - Exercise to keep blood circulating and to keep warm.

Location of emergency equipment

Fire Extinguishers are located at all exits of the building and within Mobile Laboratories. Extensive wash equipment is located at various points throughout the washing facility. Personnel have access to both cell and landline phones while onsite at the facility. Vehicles will be available onsite should personnel require transport to a medical facility.

Training requirements for emergency response

Upon orientation NormTek employees and contractors will receive training on the Emergency Response Plan specific to the NormTek Ft St John Facility. In addition, NormTek employees and where possible contractors are to attend and participate in yearly ERP exercises. Training will happen during the orientation prior to being allowed onsite and yearly for the Emergency Response Drill.

The following employees have received emergency equipment training: Rob Wilson, Cody Cuthill, Chad Setter

First aid

First aid kits are located in the change room/PPE room as well as in the mobile laboratories.

First aid attendant (employee trained in first aid)

Name: Rob Wilson

Location: Fort St John

Shift or hours of work: on call 24/7

Evacuation plan for NormTek Fort St John Facility

Upon receiving notice to evacuate, shut down your work area and equipment if possible, if this is not possible then proceed to the nearest exit in a quick yet calm fashion.

Provide any assistance to those who may require assistance in exiting. Proceed to the pre-determined muster location.

Muster Locations:

Two muster locations have been created, one in the North West corner of the yard on Swanson Street as well as one in the south west corner of the property. The primary location to muster is at Swanson Street but a secondary location has been identified should the primary location not be suitable due to specific conditions