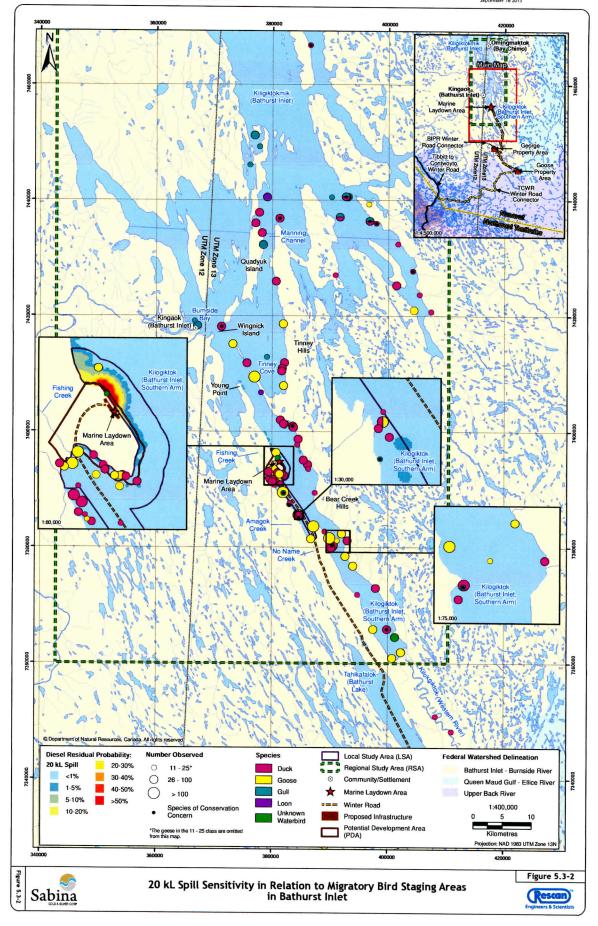
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ANNEX 4: Resident Spill Response Equipment



RESIDENT OIL SPILL RESPONSE EQUIPMENT MARINE LAYDOWN AREA – OIL HANDLING FACILITY

Quantity	Description
1	Oil containment boom 300 meters – 24 Inch Fence type
4	Anchor kits for anchoring boom in place
4	Towing bridal for oil boom
4	Spill response unit – X Large Land
4	Overpack spill kit
50	12 kg. Bags granular absorbant
6	0.5m X 0.5m x 15 cm Arctic mini berm for under fittings
6	1m x 1m x 15 cm Arctic mini berm for under fittings
1	1500 Gallon Portable Tank
25	Bales Sorbent Pads
25	Bales Absorbant booms
1	Aluminium workboat with outboard engine, equipped with towing post and related equipment for boom deployment
1	Skimmer and diesel driven power pack, suitable for recovery of distillates – Capacity 7.5 tonnes per hour
12	Rakes for beach cleaning
12	Perforated shovels for sorbent recovery
12	Pitch forks with screens for sorbent and debris recovery
12	Approved flotation devices
1	Minimum 10 ton sand stockpile for spill berming operations



ANNEX 5: Bulk Cargo Transfer Procedures

Bulk Fuel Transfer Procedures:

Bulk fuel transfer procedures are proprietary to the barge operator and the selection of fuel supplier is a commercial element of the project which shall be determined at a future date prior to commencement of operations. Sabina shall ensure that the transfer protocol shall be in accordance with all applicable regulations.



ANNEX 6: Spill Response Equipment - Onboard Barge



	Qty	Islan	d Tdr	ITB	Rel	ITB	Res	ITB	Sup	ITB	Vcr
Certificate / License	min.	Qty	Loc	Qty	Loc	Qty	Loc	Qty	Loc	Qty	Loc
Containment Boom	1000'	-	PC	-	PC	ı	PC	ı	PC	ı	PC
Boom Towing Bridles	2	-	PC	-	PC	-	PC	-	PC	-	PC
Absorbent Boom 4" x 10'	10	-	PC	-	PC	-	PC	-	PC	-	PC
Absorbent Pads (100 per Bale)	6	-	PC	-	PC	-	PC	-	PC	-	PC
Absorbent Pads (Bales)	4	-	ER	-	ER	-	ER	-	ER	-	ER
Absorbent Pads (Bales)	1	-	CMR	-	CMR	-	CMR	-	CMR	-	CMR
Open Headed Barrels (empty)	4	-	PC	-	PC	-	PC	-	PC	-	PC
Pad/Barrel Ringer	1	-	PC	-	PC	-	PC	-	PC	-	PC
Aluminum Shovels	3	-	PC	-	PC	-	PC	-	PC	-	PC
Aluminum Pitch Fork	2	-	PC	-	PC	-	PC	-	PC	-	PC
Heavy Duty Plastic Bags	200	-	PC	-	PC	-	PC	-	PC	-	PC
Anchor Assemblies	4	-	PC	-	PC	-	PC	-	PC	-	PC
Garbage Pails 100 ltr.	4	-	PC	-	PC	-	PC	-	PC	-	PC

ER – Engine Room CMR – Cargo Monitoring Room PC – Pollution Container



ANNEX 7: Training Register and Exercise Documentation



OIL HANDLING FACILITY - OIL POLLUTION EMERGENCY PLAN TRAINING REGISTRY

Course Title	Participant Name	Organization	Date	Completion Y/N	Comments



ANNEX 8: Material Safety Data Sheets



Material Safety Data Sheet

WHMIS	Product name	TDG Road/Rail			
	Diesel / Furnace oil				

Section 1. Identification

Chemical name : Fuel oil, No 2

Other means of identification

: Gasoil - unspecified

Code : 010

CAS number : Not applicable.

Relevant identified uses of the substance or mixture and uses advised against

Supplier's details : ÉNERGIE VALERO INC

1801Avenue McGill College

13è étage

Montréal, Québec

H3A 2N4

Emergency telephone number with hours of

operation.

: Canutec (24 heures)

613-996-6666

Section 2. Hazards identification

OSHA/HCS status

: This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Classification of the substance or mixture

: FLAMMABLE LIQUIDS - Category 4 SKIN CORROSION/IRRITATION - Category 2

SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2B

CARCINOGENICITY - Category 2

Percentage of the mixture consisting of ingredient(s) of unknown toxicity: 15%

GHS label elements

Hazard pictograms





Signal word : Warning

Hazard statements : Combustible liquid.

Causes skin and eye irritation. Suspected of causing cancer.

Precautionary statements

Prevention

: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Wear protective gloves. Wear eye or face protection. Keep away from flames and hot surfaces. - No smoking. Wash hands thoroughly after handling.

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Section 2. Hazards identification

Response

: IF exposed or concerned: Get medical attention. IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing. Wash contaminated clothing before reuse. If skin irritation occurs: Get medical attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.

Storage Disposal

- : Store locked up. Store in a well-ventilated place. Keep cool.
- : Dispose of contents and container in accordance with all local, regional, national and international regulations.

Hazards not otherwise classified

Substance/mixture

: None known.

Mixture

Section 3. Composition/information on ingredients

Ingredient name	%	CAS number
Fuel oil, No 2 Fuel oil, No 2	100 100	68476-30-2 68476-30-2

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

Peut contenir du sulfure d'hydrogène

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First aid measures

Description of necessary first aid measures

Eye contact

: Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.

Inhalation

: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Skin contact

: Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Continue to rinse for at least 10 minutes. Get medical attention. Wash clothing before reuse. Clean shoes thoroughly before reuse.

Ingestion

: Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Most important symptoms/effects, acute and delayed

Potential acute health effects

Eye contact: Causes serious eye irritation.

Inhalation : No known significant effects or critical hazards.

Skin contact: Causes skin irritation.

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Section 4. First aid measures

Ingestion: Irritating to mouth, throat and stomach.

Over-exposure signs/symptoms

Eye contact: Adverse symptoms may include the following:

pain or irritation watering

redness

Inhalation : No specific data.

Skin contact: Adverse symptoms may include the following:

irritation redness

Ingestion : No specific data.

Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician : Treat symptomatically. Contact poison treatment specialist immediately if large

quantities have been ingested or inhaled.

Specific treatments: No specific treatment.

Protection of first-aiders : No action shall be taken involving any personal risk or without suitable training. It may

be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

See toxicological information (Section 11)

Section 5. Fire-fighting measures

Extinguishing media

Suitable extinguishing

media

Unsuitable extinguishing

media

: Use dry chemical, CO₂, water spray (fog) or foam.

: Do not use water jet.

Specific hazards arising from the chemical

: Combustible liquid. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. Runoff to sewer may create fire or explosion hazard.

Hazardous thermal decomposition products

 Decomposition products may include the following materials: sulfur oxides

Special protective actions for fire-fighters

: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.

Special protective equipment for fire-fighters

: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

For emergency responders:

If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

Section 6. Accidental release measures

Environmental precautions

: Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Methods and materials for containment and cleaning up

Small spill

: Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Dilute with water and mop up if water-soluble. Alternatively. or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

Large spill

: Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

Section 7. Handling and storage

Precautions for safe handling

Protective measures

: Put on appropriate personal protective equipment (see Section 8). Avoid exposure obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing vapor or mist. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Empty containers retain product residue and can be hazardous. Do not reuse container.

Advice on general occupational hygiene

: Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

including any incompatibilities

Conditions for safe storage, : Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

Section 8. Exposure controls/personal protection

Control parameters United States Occupational exposure limits

Section 8. Exposure controls/personal protection

Ingredient name	Exposure limits
Fuel oil, No 2	ACGIH TLV (United States, 6/2013). Absorbed through skin.
	TWA: 100 mg/m³, (measured as total hydrocarbons) 8 hours. Form: Inhalable fraction and vapor
Fuel oil, No 2	ACGIH TLV (United States, 6/2013). Absorbed through skin.
	TWA: 100 mg/m³, (measured as total hydrocarbons) 8 hours. Form: Inhalable fraction and vapor
Fuel oil, No 2	ACGIH TLV (United States, 6/2013). Absorbed through skin.
	TWA: 100 mg/m³, (measured as total hydrocarbons) 8 hours. Form: Inhalable fraction and vapor

Canada

Occupational exposure limits		TWA (8 hours)			STEL (15 mins)			Ceiling			
Ingredient	List name	ppm	mg/ m³	Other	ppm	mg/ m³	Other	ppm	mg/ m³	Other	Notations
Fuel oil, No 2, measured as total hydrocarbons	US ACGIH 6/2013	-	100	-	-	-	-	-	-	-	[1] [a]
Fuel oil, No 2, as total hydrocarbons	AB 4/2009	-	100	-	-	-	-	-	-	-	
	BC 7/2013	-	100	-	-	-	-	-	-	-	[1] [b]
Fuel oil, No 2, measured as total hydrocarbons	ON 1/2013	-	100	-	-	-	-	-	-	-	[1] [c]
Fuel oil, No 2, measured as total hydrocarbons	US ACGIH 6/2013	-	100	-	-	-	-	-	-	-	[1] [a]
Fuel oil, No 2, as total hydrocarbons	AB 4/2009	-	100	-	-	-	-	-	-	-	
•		-	100	-	-	-	-	-	-	-	[1] [b]
Fuel oil, No 2, measured as total hydrocarbons	ON 1/2013	-	100	-	-	-	-	-	-	-	[1] [c]
Fuel oil, No 2, measured as total hydrocarbons	US ACGIH 6/2013	-	100	-	-	-	-	-	-	-	[1] [a]
Fuel oil, No 2, as total hydrocarbons	AB 4/2009	_	100	_	_	_	_	_	l_	_	
. as. s, . 15 =, as total flydrodalborio	2000	_	100	_	_	_	_	l _	_	_	[1] [b]
Fuel oil, No 2, measured as total hydrocarbons	ON 1/2013	-	100	-	-	-	-	-	-	-	[1] [c]

[1]Absorbed through skin.

Form: [a]Inhalable fraction and vapor [b]Inhalable vapour and aerosol [c]Total hydrocarbons

Appropriate engineering controls

: Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.

Environmental exposure controls

: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Individual protection measures

Hygiene measures

: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period.

Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/face protection

: Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles.

Skin protection

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