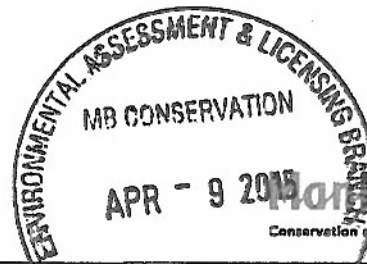


Dangerous Goods Handling and Transportation Act Application Form



Name of facility: <i>Used Oil Collection Facility</i>	
Legal name of the applicant of the facility: <i>Town of Churchill</i>	
Location (street address, city, town, municipality, legal description): <i>Block 5 Plan 844 PLTO (N Div) In 112-20 and 21 EPM</i>	
Name of proponent contact person for purposes of the environmental assessment: <i>Dmytri Kandiurin</i>	
Phone: <i>204 675 8871</i>	Mailing address: <i>Churchill Municipal Off. ce</i>
Fax: <i>204 675 2934</i>	<i>P.O. Box 459 Churchill MB R0B0E0</i>
Email address: <i>townofchurchill@churchill.ca</i>	
Webpage address:	
Date: <i>APR 28 / 2015</i>	Signature of person representing the legal applicant
Printed name: <i>D. KANDIURIN</i>	

A complete Dangerous Goods Handling and Transportation Act application consists of the following components:

- Cover letter
- Dangerous Goods Handling and Transportation Act Application Form
- Reports/plans supporting the application*
- Application fee (Cheque, payable to Minister of Finance, for the appropriate fee)

Submit the complete application to:

Director
Environmental Approvals Branch
Manitoba Conservation and Water Stewardship
Suite 160, 123 Main Street
Winnipeg, Manitoba R3C 1A5

For more information:
Phone: (204) 945-8321
Fax: (204) 945-5229

<http://www.gov.mb.ca/conservation/ea/>

Per Dangerous Goods Handling and Transportation Fees Regulation (Manitoba Regulation 164/2001):	
Hazardous Waste Storage, Handling and/or Treatment	\$250

*The required information, as well as the quantity and types of copies required, are as described in Information Bulletin - Environment Act Proposal Report Guidelines. The applicant should also take facility impacts on environmental and human health into consideration.



The Town of Churchill

P.O. Box 459
Churchill, Manitoba
Canada R0B 0E0
Phone (204) 675-8871
Fax (204) 675-2934
e-mail:townofchurchill@mts.net



April 9, 2015

Manitoba Conservation and Water Stewardship
Environmental Approvals Branch
123 Main St, Suite 160
Winnipeg, MB
R3C 1A5

Dear Raj Rathamano

Please accept the corrections to the applications for a Used Oil Collection Facility and a Used Oil Space Heater.

I hope that these applications answer all of the questions and issues that you have raised.

Please find enclosed \$250 for the application for the Used Oil Collection Facility – the monies for the Used Oil Space Heater already having been submitted.

Thank you for all of your help and if you have any more questions please do not hesitate to ask.

Susan Maxson
Sustainability Coordinator
Town of Churchill
204 675 8871 ex 116



**The Town of
Churchill**

P.O. Box 459
Churchill, Manitoba
Canada R0B 0E0
Phone (204) 675-8871
Fax (204) 675-2934
e-mail:townofchurchill@mts.net



**Environmental Report for a waste Oil Collection Centre at Churchill,
Manitoba**

April 9, 2015

**Environmental Report for
a Waste Oil Collection Centre
at Churchill, Manitoba**

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1.0 Executive Summary

The Town of Churchill plans to create a waste oil collection centre within its recycling depot to handle incoming and currently stored waste oil in the area. The oil will then be separated and recycled through burning in an approved waste oil furnace to heat a nearby shop. Such an initiative would save on transportation costs and possibilities of spillage while reducing the environmental foot-print of the oil.

2.0 Introduction and Background.

Churchill has a large amount of waste oil stored in barrels near its recycling depot. There is also the on-going production of waste oil through oil changes in various business operations. Sending this oil to southern Manitoba by train is not seen as an environmental solution. Instead, using this oil to offset high costs of heating fuel in our cold environment will meet our vision of an environmentally concerned area in a cost effective way.

3.0 Churchill Ecology

Churchill is located in northern Manitoba, near the estuary of the Churchill River in the Hudson Plains Terrestrial Ecozone and more specifically, the Coastal Hudson Bay Lowland Ecoregion. The Ecoregion extends from a few kilometers north of Churchill to James Bay in a band along the Hudson Bay Coast.

The Ecoregion is a low-lying, marshy coastal plain with extensive tidal flats, developed on flat-lying Palaeozoic limestone bedrock. Post-glacial limits of marine inundation are 120-180 m asl. North of the Nelson River beaches are less prominent than in the eastern portion of the Ecoregion. The terrain is dominated by fens, polygonal peat plateaus, and peat plateaus. Peat plateaus occur often in parallel rows marking the underlying beaches. In the fens, small incipient peat bogs are common. Wetlands are poorly drained. Permafrost with low to high ice content is widespread.

The Ecoregion is within the High Subarctic Ecoclimatic Region. The mean winter temperature is -19 C with 400 mm to 600 mm mean annual precipitation. Snowfall averages about 20 cm during each of the months of January through April. Blowing or drifting snow and high windchill factors will inevitably preclude outdoor activities. On average, one third of winter weather observations attribute reduced visibility to blowing snow.

Vegetation is characterized by very open stands of stunted black spruce and tamarack with secondary quantities of white spruce; a shrub layer of dwarf birch, willow or ericaceous shrubs; and ground cover of cotton grass or lichen and moss. Poorly drained sites usually support tussock vegetation of sedge, cottongrass and sphagnum moss. Low shrub tundra vegetation consisting of dwarf birch and willow is also common.

The presence of avian and mammalian life-forms is dependent upon the availability of habitats and temperature. Species diversity and population numbers can vary annually.

At least 133 species of swimming birds, shorebirds, raptors, and scavengers frequent offshore, inshore, intertidal, or salt marsh habitats of the Ecoregion.

3.0 Collection Site

The Churchill Waste Oil Collection and Recycling Centre will be owned and operated by the Town of Churchill,
P.O. Box 459,
180 LaVerendrye Ave,
Churchill, Manitoba,
Telephone: 204 675 8871
Fax: 204 675 2934

The site land address is:
Block 5 Plan 844 PLTO (N Div)
In 112-20 and 21 EPM

Appendix A: Land Title for the Recycling Centre.

3.1 Site

It is planned to situate the Collection Centre about 8 kilometers east of the town site of Churchill inside a large building left by the military in the 1970's. Bay 1 of this building is currently being used as a recycling centre, but there is unused space. This means that the fencing, cement floor and building are already in place. The collection centre can be used in the winter, and waste oil can be separated from glycol and water during the winter also. The resulting waste Oil will be stored in a 500 liter double walled tank in this area.

The glycol, used oil containers and used oil filters will be stored in Bay 4 of the Collection Centre which is an unheated cement block extension with a cement floor.

Maps and plans

Appendix B: Map for Collection Centre

Appendix C: Building Plans for Collection Centre

Zoning Designation

The Collection Centre is in an area which is zoned as Commercial.

3.2 Origin of Oil

There is currently oil stored in barrels at the town waste site which will be recycled. Other oil will come from commercial businesses and the community.

3.3 Infrastructure

Separation:

Because this is both a collection and a recycling centre, separating the stored waste oil into a usable product will be an important component of the centre. This will be done in the winter when the water is frozen in the barrel. Ice will be transferred to waste barrels where it will evaporate leaving small amounts of sludge. The waste oil and glycol will be separated using a Streamline Used Oil Collection System. (See Appendix E). The unit uses the differing specific gravities to separate the oil and glycol. The oil and glycol are transferred by hose to either barrels (glycol) or to a double walled tank (oil). The separation unit has a float switch which turns off the double diaphragm pump to prevent spillage.

Storage:

The oil will be stored in a vented double wall 500 gallon UCL – 5601 – 07 Waste Pro tank which will be installed on cement inside buildings per Manitoba Fire Code.

Appendix F

Glycol will be store in used barrels.

The oil filters will be stored in used barrels that have the sludge in them from evaporated water.

The oil containers will be stored in a room with a cement floor.

Receiving Area:

Cement floors/pads are currently in all areas. Loading and unloading will be done inside the building as close as possible to the oil storage area to prevent spillage. Oil will be transferred by the certified handler.

Access:

All of the equipment and products of the Waste Oil Collection will be housed in lockable buildings which are fenced.

Signage:

Signage at the Collection Centre will cover all indicated information including hours of operation which will be Monday to Friday 8:30 to 5:00.

Amounts of Waste

Estimated amounts of waste are:

Oil – 10,000 liters/year

Glycol – 1200 liters per year

Oil Filters – 12 drums/year

Waste Oil Containers – 240 k/ year

Disposal of waste other than Oil

Glycol, Oil Filters, and Waste Oil containers will be sent to GFL in Flin Flon until such a time as the Collection Centre in Thompson reopens.

3.3 Supervisor:

The supervisor of the Waste Oil Collection Center will be trained by a certified trainer from MARRC.

Acceptance criteria, sampling, maintaining a log book, and procedures for handling spills will be gone over at this time.

4.0 Environmental Effects

This will be an environmental positive in Churchill. Oil which is currently being stored in old barrels will be cleaned up, propane burning will be replaced by oil burning and the hazardous transport of waste oil will be minimized.

4.1 Description of human health effects of proposed development

The human health effects should be minimal.

The pollutants are waste oil and antifreeze (glycol). These will be separated during the winter months by trained operators in the waste oil recycling centre using an approved separator and stored in an approved double wall tank.

The plastic waste oil containers will be stored in a separate building called Bay 4 on the diagram. This is an unheated cement block extension which is not currently being used. There will be minimal human contacts with the waste oil

4.2 Mitigation measures to protect the environment

Oil transfer will be done inside a building with a cement floor with a waste oil pan situated to contain spills.

There is currently a spill kit in a 45 gallon drum containing Sorb-All. Used waste absorbent will be stored in a used oil drum and shipped with the used oil filters to a Waste Oil Collection Centre in Flin Flon or Thompson.

Storage of Waste Oil will be in a double walled approved tanks of 500 gallons

This project will clean up the present storage site which is behind the recycling facility, and will reduce the risk of old drums rusting out and leaking waste oil into the environment. Transportation will be minimized by this project as only the glycol will be shipped to southern Manitoba instead of both waste oil and glycol.

The facility is equipped with 10 lb ACB fire extinguishers.

5.0 Follow – up Plans – monitoring and reporting

The supervisor will be trained by MARRC in monitoring and report procedures. The Director of Facilities for the Town of Churchill will also be monitoring the facility and reporting to Manitoba Conservation on any spills. The site is inspected periodically by Manitoba Conservation.

6.0 Conclusion

Churchill is excited about the possibility of a waste oil collection/recycling center. Getting rid of drums of waste oil will solve the possibility of leakage, and being able to burn it to produce heat instead of sending it down to southern Manitoba on the train makes environmental sense. There is ample space in the current recycling building for the waste oil collection centre and the new furnace will provided needed heat.

All in all, a waste oil collection/recycling facility fits in well with Churchill's desire to be an environmentally responsible community.

Appendix A.

DATE: 2014/03/17 TITLE SEARCH PASMMC1
TSTL (1 OF 9) TITLE DISPLAY - PORTAGE LA PRAIRIE PAGE: 01
TITLE NUMBER..... 1730617/3 TITLE STATUS..... ACCEPTED
REGISTRATION DATE.. 2000/06/19 ASSESSMENT OFFICE.. ** MANITOBA **
COMPLETION DATE.... 2000/06/20 CONSOLIDATION..... NO

LEGAL DESCRIPTION:

HER MAJESTY THE QUEEN IN RIGHT OF THE PROVINCE OF MANITOBA

IS REGISTERED OWNER, SUBJECT TO SUCH ENTRIES RECORDED HEREON
IN THE FOLLOWING DESCRIBED LAND:

AT CHURCHILL AND BEING

BLOCK 9 PLAN 844 PLTO (N DIV) IN 112-20 & 21 EPM

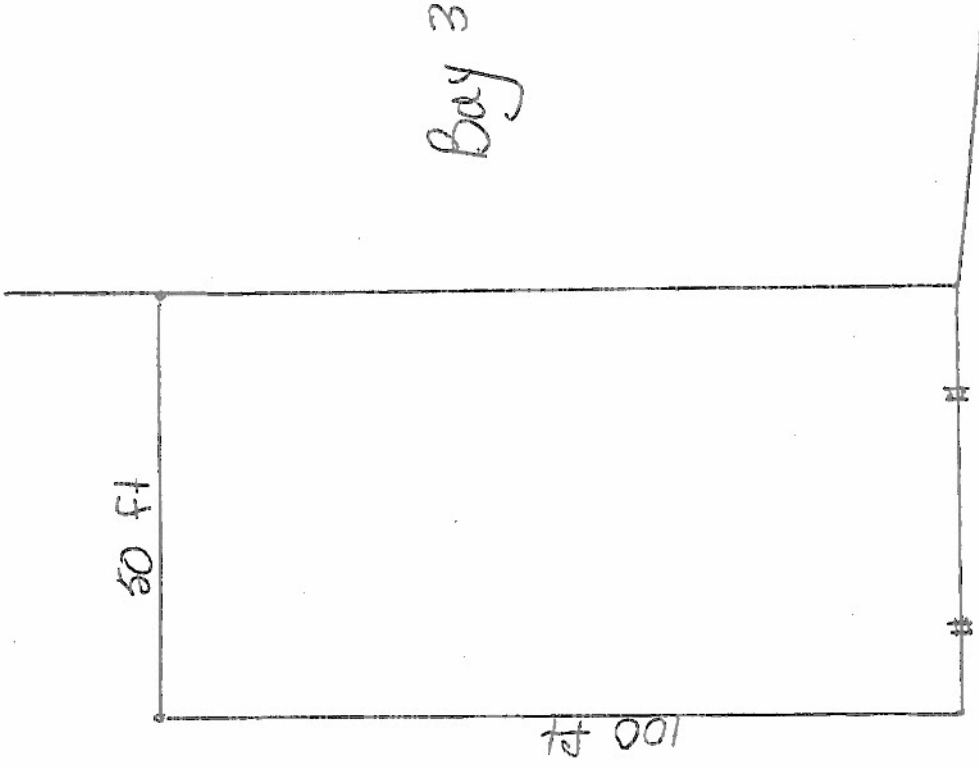
EXC ALL MINES AND MINERALS

CLEAR TITLE

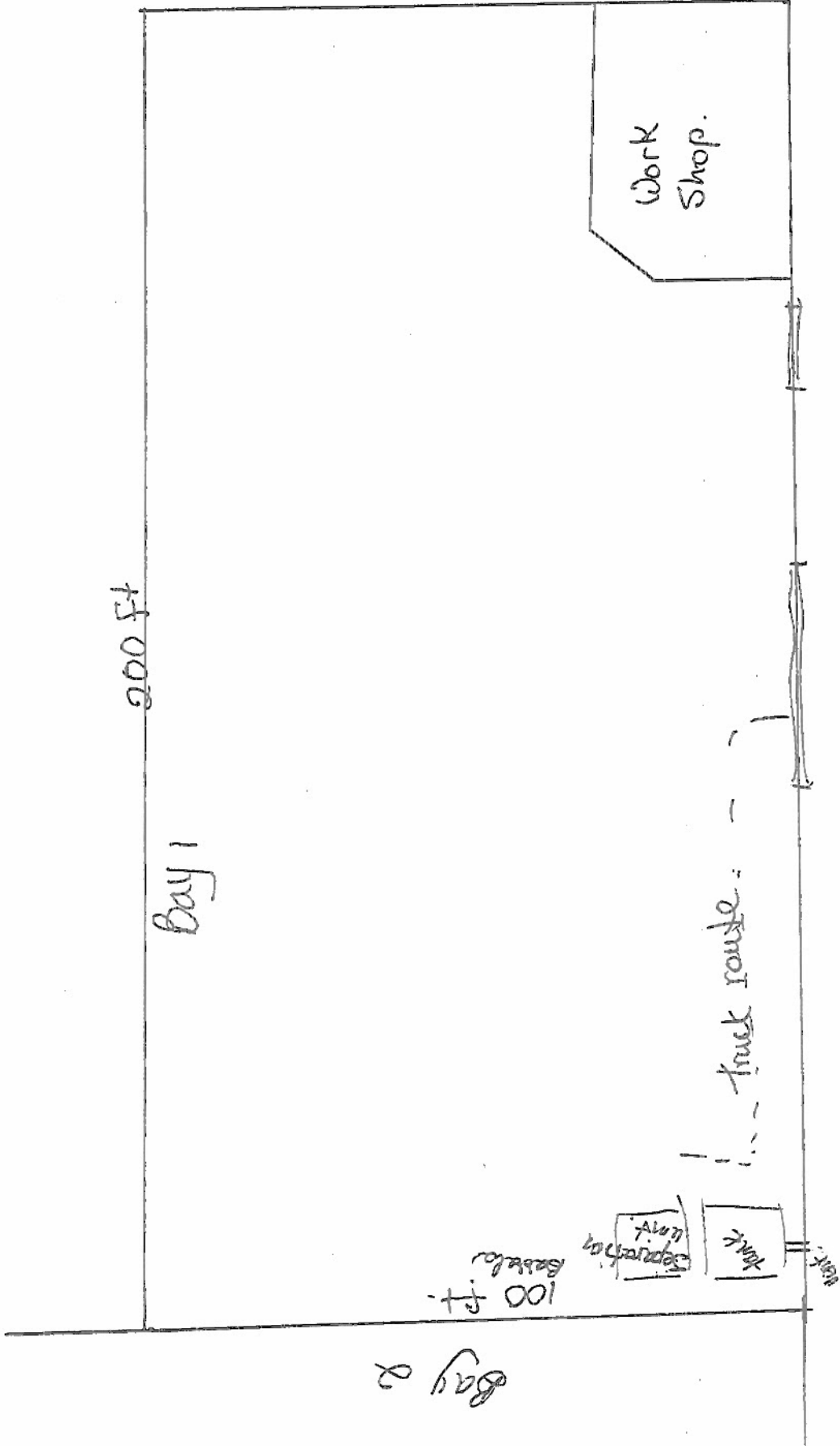
Appendix B



Bay 4



Bay 3



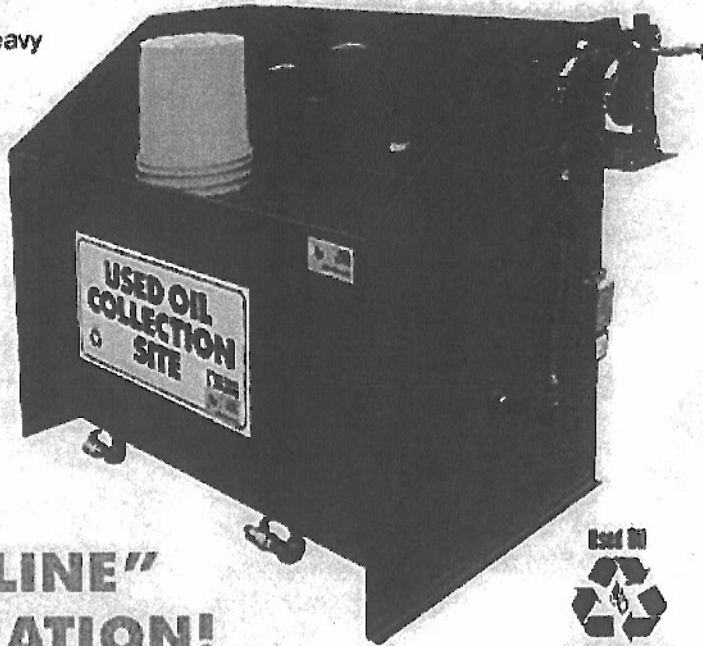


STREAMLINE USED-OIL COLLECTION SYSTEMS

STREAMLINE used-oil handling systems are designed to filter heavy particulate while separating anti-freeze, water and sludge. Incorporate cleaner used-oil for your used oil furnace / boiler.

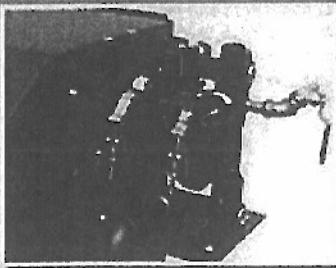
The **STREAMLINE SYSTEM** will enable the user to incorporate cleaner fuel for your used-oil heating system, thereby ensuring more savings.

The wide pouring grill and transfer system prevents potential spills while avoiding costly clean-ups.



"STREAMLINE" YOUR OPERATION!

THE BEST CHOICE IN EMPLOYEE EFFICIENCY AND SAFETY IN USED OIL HANDLING



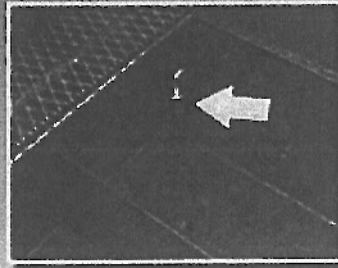
AIR OPERATED DOUBLE DIAPHRAGM PUMP

Transfer oil quickly and automatically to an approved storage tank. (Various pumps and tanks available)



OIL FILTER DRAIN RACK

Set filters to drain over extended periods of time. Complete with built-in fluid separator.



CONTROLS

Monitors oil levels inside streamline system with automatic start and stop switch.

*per email
Nov 11*

*holds 50 gallons
has float system that
automatically transfers oil to
Storage tank.*

WASTE PRO TANKS

Used Oil Aboveground Double Wall ULC-S601-07-Latest Standard

Designed for the Storage of Used Oil

The Economical Storage Solution

Standard Design Features:

- Double wall construction, horizontally built
- Saddles fully welded
- 1/8" thick steel shell construction
- Interstice vacuum monitoring gauge with guard
- 2" male quick coupling in spill box
- 2" normal vent c/w cap
- Steel spill box cover with stainless steel hinges c/w splash guard
- Comes with Level Charts
- Check with installer and local jurisdiction for additional norms and regulations.

Tank Exterior:

- Sandblasted to SSPC-SP6, commercial blast
- E2 Paint system:
 - Two part high built epoxy 4-6 mils dry
 - Two part Polyurethane epoxy 2-3 mils dry
- Safety Labeling as per codes
- Product Labeling on three sides
- Paint Warranty for two(2) years from date of manufacturing
- Tank Warranty for a period of five(5) years from date of manufacturing



660 imperial gallon model shown

"This high-quality product undergoes a series of tests and is built to last. Proud and dedicated workmanship goes into the fabrication of every tank."

Options :

- 15 mil Interior line
- Pumping station
- Liquid level gauge
- Remote collection box
- Manway & spill box combo
- Solenoid switch on vacuum gauge

Specifications :

Model	Double Wall	Specifications					
		Dia.	O.A.L.	Shell	Paint	Steps	Fittings
500 L	•	37,5"	30"	1/8"	Polyurethane epoxy finish	0	Two(2) N.P.T. 2"
1 000 L	•	37,5"	60"	1/8"	Polyurethane epoxy finish	0	Three(3) N.P.T. 2"
1 500 L	•	45"	60"	1/8"	Polyurethane epoxy finish	0	(3) N.P.T. 2"
2 000 L	•	50"	60"	1/8"	Polyurethane epoxy finish	S	(3) N.P.T. 2"
2 400 L	•	50"	72"	1/8"	Polyurethane epoxy finish	S	(3) N.P.T. 2"
3 000 L	•	50"	84"	1/8"	Polyurethane epoxy finish	S	(3) N.P.T. 2"
4 500 L	•	50"	144"	1/8"	Polyurethane epoxy finish	S	(3) N.P.T. 2"

Inquire for details

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