

Rural Municipality of Shoal Lake

P.O. Box 278, SHOAL LAKE, MB. R0J 1Z0

Telephone: (204) 759-2565 Fax: (204) 759-2740

Reeve - Ken Ewachewski
Ward 1 - Councillor Delmar Purdy
Ward 2 - Councillor Ron Gerelus
Ward 3 - Councillor Merv Starzyk

Ward 4 - Councillor Wilf Chegwin
Ward 5 - Councillor Ernie Kowal
Ward 6 - Councillor Wayne Myhill
Chief Administrative Officer, Thelma Chegwin

November 14, 1997

Mr. Syd Robbins
Shur Gro Farm Services Ltd.
Box 128
Shoal Lake, MB
R0J 1Z0

Dear Syd:

The Council of the Rural Municipality of Shoal Lake approve the use of the ditch on the south side of the Shur-Gro Farm Services Ltd. property as emergency containment should the need arise.

The cost of any cleanup of contaminants is the responsibility of Shur-Gro Farm Services Ltd.

Yours truly,



Kenneth Ewachewski
Reeve

Shur-Gro Farm Services Ltd.

Shoal Lake, MB.

Introduction and Background

After discussions with Nicole Lavalee from Environmental Compliance, it was discovered that this site in Shoal Lake has never had an Environmental Act Licence in place despite it being constructed 40 years ago.

Site Information

This property is located on the NW 8-17-23 W1 in the RM of Yellowhead. Physical address is 236 Industrial Park Road, Shoal Lake, MB.

The site has a fence around property current to ammonia code of practice.

The site includes two 30,000 USG anhydrous ammonia storage vessels which meet the requirements outlined in the Fertilizer Safety & Security Council & Ammonia Code of Practice Implementation Guide. A valid Certificate of Compliance No. 9401150

Site also includes a volumetric dry fertilizer plant that was newly constructed in November 2012. Consists of 6 x 200MT hopper bottom bins capable for blending. Products currently stored are 46-0-0, Super U, ESN, 11-52-0, 0-0-60 & 21-0-0-24.

Also onsite is a Liquid Fertilizer storage capable of blending. This plant was a new construction in July of 2020. It started with a very compacted firm clay base. 3" of pea gravel on top of base. Layer of geo textile. Contain Enviro Services installed the containment on top of this The liner which is a Linear, Low Density Polyethylene 40-mill thickness on galvanized walls. Then a 2nd layer of geo textile. Another 3" of pea gravel was levelled above the liner before tanks were set in place. Containment is capable of holding 1.435 x the biggest fertilizer tank inside. Currently tanks in place will hold a combined 113,900 USG of liquid fertilizer consisting of 28-0-0, 10-34-0 & 15-0-0-20.

We also have a Crop Protection Warehouse that is AWSA certified. Current certification No. 340115

Operation

Hours of operation are Monday – Friday 8:00AM – 5:00PM. Facility is open longer hours and weekends when busy season is happening.

Anhydrous Ammonia

- The two storage vessels on site have all the latest emergency shutdown systems in place.
- It has 2 bleed off tanks which is disposed of through our high clearance sprayer when needed.

- We have 3 tandem delivery units which have capacity of 6,800 Kgs. And 1 semi trailer delivery unit with a capacity of 7,800 Kgs
- Nineteen wagons that customers use to apply ranging from 4,000 to 6,000 Kgs of capacity

Dry Fertilizer

- Our dry facility consists of the following products and capacities:
 - 46-0-0(Urea) 145,000 kgs
 - Super U(Urea w/ inhibitor) 145,000 kgs
 - ESN(Urea w/ polymer coating) 140,000 kgs
 - 11-52-0(MAP) 175,000 kgs
 - 0-0-60(Potash) 190,000 kgs
 - 21-0-0-24(Ammonium Sulphate) 195,000 kgs
- We have numerous concrete pads that if there are spills get cleaned up and put into plastic drums and spread out onto nearby customer fields if needed.
- When legs are cleaned out twice a year, this waste fertilizer is spread out on neighboring customer fields also.

Liquid Fertilizer

- The liquid fertilizer contains the following products and capacities:
 - 28-0-0(Nitrogen) 420,000 kgs
 - 10-34-0(Phosphate) 100,000 kgs
 - 15-0-0-20(Sulphur) 145,000 kgs
- Everything is inside of the containment including the pump and meter stand. There is also a sump pump for pumping out any rain water. There is also a poly hopper that any collections from unhooking hoses into poly tubs gets put into to reuse the waste.
- We empty and flush out tanks every 2 years and spray onto neighboring fields.

Crop Protection Warehouse

- Our warehouse is 22.3 m x 11.3 m with a 15.24 cm retention curbing. The volume of this containment is 38 m³. This containment equates to 38,950 litres. This will contain any significant spill in the warehouse. Our yard site has a ditch on the south side which drains into the containment area between warehouse and service road. The site map included shows a culvert with a Culvert Block to stop runoff. The containment area measures 30.5 m x 15.25 m with an average depth of 0.3 m which gives us a containment area of 140 m³. Included is a letter from the RM giving us permission in the event of an emergency, We can use the ditch as a secondary containment. We are able to contain over 142,950 L. in this ditch.

○ Maximum chem stored at any one time	104,000 Litres
○ Water from Fire Truck	3,820 Litres
○ Total	107,820 Litres
○ Warehouse containment	38,950 Litres
○ Ditch containment	142,950 Litres
○ Total containment	181,900 Litres

- Containment volume is more than adequate to hold any waste material
- Warehouse products received and distributed are herbicides, fungicides, insecticides and bagged treated canola seed.
- The building has met AWSA standards since on site in 1993.
- Warehouse has a monitored burglar and Fire Alarm

Septic tank and field

- Septic tank gets cleaned out once in the spring and again in the fall

Shop floor spill containment

- 205L container under floor to contain snow melt or water. This gets cleaned out in spring and fall same time septic tank gets cleaned.

Porta potty outside shop

- This gets cleaned out every spring and fall when septic and floor drain get cleaned out.

Used oil & used oil filters

- Hazardous Waste Generator Number is MBG15612
- We use Notre Dame Used Oil and Filter Depot for collection when needed.

Diesel Fuel and Gasoline

- Storage with a concrete containment in place

Clean Farms empty chemical jug return depot

- Customers can return rinsed empty jugs that are bagged. We call Clean Farms to pickup when required.

Description of Existing Environment

- The area surrounding the property is primarily used for Agriculture and located approximately 1.35 kms west of the Town limits in the Industrial Park on south side of #16 hwy.
- Our closest business neighbor is Westbend Ventures who are 225 meters to the SW of us.
- Highway #16 is 25 meters north.
- CP rail line is 30 meters to the South.
- Bell/MTS cellular tower is 130 meters to the south.
- Shoal Lake Veterinary clinic is 526 meters to the east.
- The closest residential is 1.38 kms to the west.
- Soil and well water tests are included with this package.

Description of Environmental Effects

- Should be no negative effects to the environment. There is several protection layers in place to protect people and environment.

- Firstly, all personnel are trained on a regular basis for their specific job requirements including safety in handling product, how to use emergency response equipment, how to read an SDS and what their specific obligations are should an emergency response be initiated.
- Secondly, an Emergency Response Team is available 24 hours/day, 7 days/week in the event of an accidental release and this contact number is posted on a sign on the perimeter fence by the main entrance gate.
- Thirdly, in addition to the external audits by AWSA, Ammonia Code of Practice & Transport Canada; periodic daily, weekly and monthly checklist are conducted to verify location compliance with applicable regulations and company policies.

Description of Environmental Impact and Mitigation Measures

- All personnel are trained on a regular basis for their specific job requirements including safety in handling product, how to use emergency response equipment, how to read an SDS and what their specific obligations are should an emergency response be initiated. This plan includes, but is not limited to, items which will address: measures implemented for release prevention, including emergency response equipment and supplies; security; and personnel training. The plan is available at the site at all times.
- There is no infrastructure in the process of being decommissioned at this time.