REGISTRATION PURSUANT TO SECTION 49 OF THE ENVIRONMENTAL PROTECTION ACT

NAME OF UNDERTAKING: Oram's Cranberry Farm

PROPONENT:
(i) Name of Corporate Body: Oram's Cranberry Farm
(ii) Address: P.O box 45
Bishop's Falls , NL
A0H1C0

(iii) Chief Executive Officer: Mr. Christopher Oram
P.O box 45
Bishop's Falls, NL
A0H1C0
Home # 709-489-5915
Cell # 902 957 0519

(iv) Principal Contact: Mr. Christopher Oram
P.O box 45
Bishop's Falls, NL
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Home # 709-489-5915
Cell # 902 957 0519
E-mail: oramc@nsac.ca

THE UNDERTAKING:
Mr. Christopher Oram of Wooddale, Newfoundland and Labrador is presently seeking approval to develop a bog for cranberry farming approximately 25 acres of Cranberries in Wooddale.

DESCRIPTION OF THE UNDERTAKNG:

(i) Geographical Location:

The proposed bog is 60 acres in size. It is located in 5 km on the New Bay road located behind Richard Oram's land. The site will be accessed through the farm site that is already developed

(ii) Physical Features:

The site is a peat bog that is bounded by Crown Land. The major physical features that border this bog is old burnt cutovers in the south and north directions, and green mature black spruce and balsam fir in the east and New Bay road in the west. The south west corner of the property is mineral soil and this area will be used for the sand supply for project.

(iii) Construction:

Work will be carried out over five to seven years period to develop approximately 25 acres of cranberry field beds. These beds will be developed at a rate of 2 acres the first two years. Followed by 4 acres the following years Beds will be developed at a width of 40 metres wide and the lengths will depend on topography and what length the bog will allow. Power will be supplied through power lines. Sand will be supplied from a sand source on site.
Construction will begin as soon as all approvals, certifications, licenses and permits are granted.
Construction will consist of:

- Preliminary ditching in the proposed berm locations and discharge areas
- Cranberry bed development, consisting of removing a layer of peat to level the bed
- Ditching between the bed and berm
- Construction of reservoir, irrigation pond and sediment ponds
- Construction of a 40'x 40' wooden garage/office
- Installation of water control structures
- Installation of drainage tile in the beds
- Development of a farm service road on top of the berms which will be approximately 6m wide and considered part of berm construction
- Placement and levelling of approximately 20cm of sand on new cranberry beds
- Construction will take place during the summer months of 2011

The potential sources of pollutants during the construction period are associated with Machinery diesel fuel and lubricants. Machinery such as farm tractors, excavators, and dump trucks will be fuelled and oiled on mineral soil roads and away from any major water bodies or watersheds and of site away from the cranberry farm.

(iii) Operations:

Will consist of a long-term environmentally and economically viable cranberry farm with the environment and being a model environmental steward as the main factors in all the farm plans. Harvesting normally consists of flooding each field with approximately 45cm of water, at different times, to reduce large volumes of discharge. A cranberry beater will dislodge the cranberries from the vines underwater which in turn float to the surface, then gathered by a boom and loaded into plastic containers via a conveyor system. Water will enter at the highest part of the bog and water will be taken from a reservoir constructed between the bog and the adjacent ridge.

Water will be discharged through sediment traps and then that bed will be harvested. Then water will be moved to the next bed. Water will travel from bed to bed going through more sediment traps finally settling in constructed sediment ponds and gathering in reservoirs.

Mitigation measures such as maintaining vegetation in ditches will control erosion and will also help in dust control. Vegetation will be incorporated into the design and construction of the drainage ditches to ensure erosion and sedimentation are minimized.

Operational procedures will be consistent with the appropriate standards for sustainable agriculture, by removal of the required amounts of peat bog to level beds and build berms. This peat bog will then be replaced with the required amount of sand for cranberry farming, consistent with environmental standards required for sustainable agriculture.

Potential contaminants during the operational period will include, common chemicals used during cranberry operations within Newfoundland and Labrador includes the following registered products:
• Insecticides: Sevin, Diazinon
• Fungicides: Bravo, Furban
• Herbicides: Devrinol, Callisto, Roundup
• Fertilizers: 17-17-17/50lbs per acre, 46-0-0/ 10lbs per acre

There are no road conflicts in this area with the existing road because there is no forestry, mining etc. taking place in the area of this cranberry farm. Other potential sources of pollutants during operations include the same as the construction period associated with the machinery fuel and lubricants. Machinery such as farm tractors and dump trucks will be refuelled and lubricated on mineral soil, off the operation site. There will be no fuel stored on site during operations of the farm because refuelling of equipment will be contracted out to one of the major refuelling companies. All appropriate measures will be taken to prevent fuel spillage on site and spill kits will be on site at all times

(iv) Occupations & National Occupation Codes
1.General Manager (Full Time/Permanent) 0014
2.Design Engineer (Contractor) 2253
3. Grower (Full Time/Seasonal) 8251
4. Pesticide Applicator (Full Time/Seasonal) 8251
5. Labourers (Part Time/Seasonal) 7217
6.Office Administrator (Full Time/Permanent) 1221
7. Heavy Equipment Operator (Part Time/Seasonal) 7421
8. Electrician (Contractor) 7212
9. Mechanic (Contractor) 7216

(vi) Project Related Documents:
Crown Lands Application # 137090

APPROVAL OF THE UNDERTAKING
The following is a list of permits, licenses and approvals required for this cranberry farm.

Approval/Certification/License/Permit Authority
Environmental Registration Dept. of Environment and Conservation
Environmental Assessment Approval Dept. of Environment and Conservation
Crown Land Dept. of Environment and Conservation
Fuel Storage and Handling Dept. of Government Services
Pesticides (Applicator/Operator) Dept. of Environment and Conservation

Water Use License Dept. of Environment and Conservation
Permit to Alter a Body of Water Dept. of Environment and Conservation
Workers Health and Safety Compensation Workplace Health and Safety and Compensation Commission

SCHEDULE:
Construction date depends on final approval of this application and all applicable licenses Permits and certifications.

FUNDING:
No application for funding at this time. Normal cost of cranberry bed development Approximately $30,000 - $35,000 per acre.

Date: Christopher Oram (Owner/Operator)

Christopher Oram
Cranberry
Wooddale, NL

1:7,500

Meters

0 50 100 200 300 400 500