

ENVIRONMENTAL COMPLIANCE APPROVAL

NUMBER 3547-CVWN95
Issue Date: January 30, 2024

Denso Manufacturing Canada, Inc.
900 Southgate Drive
Guelph, ON N1L 1K1

Site Location: 900 Southgate Drive
Guelph, ON N1L 1K1

You have applied under section 20.2 of Part II.1 of the Environmental Protection Act, R.S.O. 1990, c. E. 19 (Environmental Protection Act) for approval of:

existing stormwater management Works servicing an auto parts manufacturing site located at the above site address, for the collection, transmission, treatment and disposal of storm water runoff from a total site area of approximately 17.5 hectares, to provide Enhanced Level water quality protection and erosion control and to attenuate post-development peak flows to allowable release rates for all storm events up to and including the 100-year storm event via discharge to groundwater, consisting of the following Works:

- **rooftop storage (catchment area 1.71 hectares):** provided on top of the existing phase 1 building and parts of the phase 2 building addition, having an available storage volume of approximately 1,713 cubic metres at a maximum ponding depth of approximately 10 centimetres, controlled via 37 roof control drains (6 weirs per drain), allowing a maximum combined discharge of approximately 209 litres per second during the 100-year storm event, discharging directly to the infiltration gallery described below via on-site private storm sewers as well as indirectly via headwall #10 located directly above the gallery;
- **rooftop storage (catchment area 1.27 hectares):** provided on top of the existing phase 2 building addition, having an available storage volume of approximately 1,270 cubic metres at a maximum ponding depth of approximately 10 centimetres, controlled via 27 roof control drains (6 weirs per drain), allowing a maximum combined discharge of approximately 151 litres per second during the 100-year storm event, discharging to the infiltration basin described below via 300 mm diameter roof leader outfalls and one (1) approximately 330 meter long grassed swale described below;
- **water quality units (catchment area 4.21 hectares):** two (2) oil and grit separators, Wilkinson Model 7 ("Sep #3") located at the north-west corner of the manufacturing building and Model 7 ("Sep #10") located south-west of the Clair Rd site entrance, having a total storage capacity of 7.4 cubic metres, a combined maximum treatment flow rate of approximately 477 litres per second, receiving surface runoff from the phase 1 parking lot and north-western site area via on-site private conveyance system consisting of swales and storm sewers, discharging directly to the infiltration gallery described below;

- **infiltration gallery (catchment area 5.92 hectares)**, one (1) infiltration gallery located along the western site boundary south-west of the Clair Rd site entrance, with a footprint of approximately 100 metres by 30 metres providing a subsurface storage volume of approximately 400 cubic metres via 0.4 m depth of 19 mm diameter clear stone wrapped in non-woven filter fabric along with an additional 2,700 cubic metres of surface storage within a depressed area above the stone gallery, receiving roof runoff as well as surface runoff from OGS "Sep #3" and "Sep #10" distributed via 200 and 300 mm diameter perforated storm sewers wrapped in filter socks as well as roof runoff via headwall #10 towards the surface depression, complete with three (3) inlet and cleanout structures, three (3) inspection manholes and one (1) 10 metre wide emergency overflow weir towards Clair Rd, with the gallery and surface depression retaining the 100-year storm event for infiltration;
- **water quality unit (catchment area 0.8 hectares)**: one (1) oil and grit separator, Wilkinson Model 12 located at the north-east corner of the manufacturing building, having a total storage capacity of 12.5 cubic metres, a maximum treatment flow rate of approximately 237 litres per second, receiving surface runoff from the truck yard via on-site private storm sewers, discharging to conveyance swale described below;
- **Conveyance Swale (catchment area 2.44 hectares)**: one grassed conveyance swale, located along the south-eastern perimeter of the manufacturing building, triangular in shape with side slopes ranging from 2:1 to 3:1, approximately 330 meters long at longitudinal slopes ranging from 0.5 to 5.1%, receiving roof runoff as well as surface runoff from service roads and the truck yard east of the building, discharging towards the infiltration basin described below;
- **water quality unit (catchment area 1.46 hectares)**: one (1) oil and grit separator, Wilkinson Model 22 located at the south-east corner of the parking lot, having a total storage capacity of 22.3 cubic metres, a maximum treatment flow rate of approximately 417 litres per second, receiving surface runoff from the parking lot via on-site private storm sewers, discharging to the infiltration basin described below via approximately 88 meters of a grassed conveyance swale;
- **infiltration basin (catchment area 8.58 hectares)**, one (1) infiltration basin located along the north-east site limit, with a footprint of approximately 6317 square metres providing a surface storage volume of up to approximately 9,951 cubic metres, receiving pre-treated runoff via two (2) on-site conveyance swales, comprised of 10 cm topsoil layer over 30 cm sand filter, with the surface basin retaining the 100-year storm event for infiltration;

including erosion/sedimentation control measures during construction and all other controls and appurtenances essential for the proper operation of the aforementioned Works;

all in accordance with the submitted application and supporting documents listed in Schedule A forming part of this Approval.

For the purpose of this environmental compliance approval, the following definitions apply:

1. "Approval" means this entire Environmental Compliance Approval and any Schedules attached to it;
2. "Director" means a person appointed by the Minister pursuant to section 5 of the EPA for the purposes of Part II.1 of the EPA;
3. "District Manager" means the District Manager of the appropriate local District Office of the Ministry, where the Works are geographically located;
4. "EPA" means the *Environmental Protection Act*, R.S.O. 1990, c.E.19, as amended;
5. "Existing Works" means those portions of the Works included in the Approval that have been constructed previously;
6. "Ministry" means the ministry of the government of Ontario responsible for the EPA and OWRA and includes all officials, employees or other persons acting on its behalf;
7. "Owner" means Denso Manufacturing Canada, Inc. and its successors and assignees;
8. "OWRA" means the *Ontario Water Resources Act*, R.S.O. 1990, c. O.40, as amended;
9. "Works" means the approved sewage works, and includes Existing Works.

You are hereby notified that this environmental compliance approval is issued to you subject to the terms and conditions outlined below:

TERMS AND CONDITIONS

1. GENERAL CONDITION

1. The Owner shall ensure that any person authorized to carry out work on or operate any aspect of the Works is notified of this Approval and the terms and conditions herein and shall take all reasonable measures to ensure any such person complies with the same.
2. The Owner shall design, construct, operate and maintain the Works in accordance with the conditions of this Approval.
3. Where there is a conflict between a provision of any document referred to in this Approval and the conditions of this Approval, the conditions in this Approval shall take precedence.
4. The issuance of, and compliance with the conditions of, this Approval does not:

- a. relieve any person of any obligation to comply with any provision of any applicable statute, regulation or other legal requirement, including, but not limited to, the obligation to obtain approval from the local conservation authority necessary to construct or operate the Works; or
- b. limit in any way the authority of the Ministry to require certain steps be taken to require the Owner to furnish any further information related to compliance with this Approval.

2. CHANGE OF OWNER

1. The Owner shall notify the District Manager and the Director, in writing, of any of the following changes within **thirty (30) days** of the change occurring:
 - a. change of address of Owner;
 - b. change of Owner, including address of new owner;
 - c. change of partners where the Owner is or at any time becomes a partnership, and a copy of the most recent declaration filed under the *Business Names Act, R.S.O. 1990, c. B.17* shall be included in the notification; or
 - d. change of name of the corporation, and a copy of the most current information filed under the *Corporations Information Act, R.S.O. 1990, c. C39* shall be included in the notification.
2. In the event of any change in ownership of the Works, the Owner shall notify in writing the succeeding owner of the existence of this Approval, and a copy of such notice shall be forwarded to the District Manager and the Director.
3. The Owner shall ensure that all communications made pursuant to this condition refer to the number of this Approval.

3. RECORD DRAWINGS

1. A set of record drawings of the Works shall be kept up to date through revisions undertaken from time to time and a copy shall be readily accessible for reference at the Works.

4. OPERATION AND MAINTENANCE

1. The Owner shall make all necessary investigations, take all necessary steps and obtain all necessary approvals so as to ensure that the physical structure, siting and operations of the Works do not constitute a safety, health or flooding hazard to the general public.

2. The Owner shall undertake an inspection of the condition of the Works, at least once a year, and undertake any necessary cleaning and maintenance to ensure that sediment, debris and excessive decaying vegetation are removed from the Works to prevent the excessive build-up of sediment, oil/grit, debris and/or decaying vegetation, to avoid reduction of the capacity and/or permeability of the Works, as applicable. The Owner shall also regularly inspect and clean out the inlet to and outlet from the Works to ensure that these are not obstructed.
3. The Owner shall construct, operate and maintain the Works with the objective that the effluent from the Works is essentially free of floating and settleable solids and does not contain oil or any other substance in amounts sufficient to create a visible film, sheen, foam or discoloration on the receiving waters.
4. The Owner shall carry out and maintain an inspection and maintenance program on the operation of the manhole oil/grit separator in accordance with the manufacturer's recommendation.
5. The Owner shall ensure that the manhole for the oil/grit separator remains accessible year-round to facilitate maintenance access and spill response measures.
6. The Owner shall ensure the immediate clean-out of the Works after a fuel or oil spill capture.
7. The Owner shall ensure that equipment and material for the containment, clean-up and disposal of fuel and oil and materials contaminated with such, is on hand and in good repair for immediate use in the event of:
 - a. loss of fuel or oil to the Works; or
 - b. a spill within the meaning of Part X of the EPA.
8. The Owner shall prepare an operations manual prior to the commencement of operation of the Works that includes, but is not necessarily limited to, the following information:
 - a. operating and maintenance procedures for routine operation of the Works;
 - b. inspection programs, including frequency of inspection, for the Works and the methods or tests employed to detect when maintenance is necessary;
 - c. repair and maintenance programs, including the frequency of repair and maintenance for the Works;
 - d. contingency plans and procedures for dealing with potential abnormal situations and for notifying the District Manager; and
 - e. procedures for receiving, responding and recording public complaints, including recording any follow-up actions taken.

9. The Owner shall maintain an up to date operations manual and make the manual readily accessible for reference at the Works for the operational life of the Works. Upon request, the Owner shall make the manual available to Ministry staff.
10. The Owner shall maintain a logbook to record the results of these inspections and any cleaning and maintenance operations undertaken, and shall keep the logbook at the Works for inspection by the Ministry. The logbook shall include the following:
 - a. the name of the Works;
 - b. the date and results of each inspection, maintenance and cleaning, including an estimate of the quantity of any materials removed and method of clean-out of the Works; and
 - c. the date of each spill within the catchment area, including follow-up actions and remedial measures undertaken.
11. The Owner shall retain for a minimum of **five (5) years** from the date of their creation, all records and information related to or resulting from the operation and maintenance activities required by this Approval.

5. REPORTING

1. The Owner shall, upon request, make all reports, manuals, plans, records, data, procedures and supporting documentation available to Ministry staff.
2. In addition to the obligations under Part X of the EPA and O. Reg. 675/98 (Classification and Exemption of Spills and Reporting of Discharges) made under the EPA, the Owner shall, within **fifteen (15) days** of the occurrence of any reportable spill as provided in Part X of the EPA and O. Reg. 675/98, submit a full written report of the occurrence to the District Manager describing the cause and discovery of the spill, clean-up and recovery measures taken, preventative measures to be taken and a schedule of implementation.
3. The Owner shall prepare performance reports on a calendar year basis by March 31 of the calendar year following the period being reported upon and submit to the District Manager upon request. The reports shall contain, but shall not be limited to, the following information pertaining to the reporting period:
 - a. a description of any operating problems encountered and corrective actions taken;
 - b. a summary of all maintenance carried out on any major structure, equipment, apparatus, mechanism or thing forming part of the Works, including an estimate of the quantity of any materials removed from the Works;

- c. a description of efforts made and results achieved in meeting the Effluent Objectives of Condition 4.3.
- d. a summary of any complaints received during the reporting period and any steps taken to address the complaints;
- e. a summary of all spill or abnormal discharge events; and
- f. any other information the District Manager requires from time to time.

6. SPILL CONTINGENCY PLAN

1. Within **six (6) months** from the issuance of this Approval, the Owner shall implement a spill contingency plan - that is a set of procedures describing how to mitigate the impacts of a spill within the area serviced by the Works. The Owner shall, upon request, make this plan available to Ministry staff. This plan shall include as a minimum:
 - a. the name, job title and location (address) of the Owner, person in charge, management or person(s) in control of the facility;
 - b. the name, job title and 24-hour telephone number of the person(s) responsible for activating the spill contingency plan;
 - c. a site plan drawn to scale showing the facility, nearby buildings, streets, catch-basins and manholes, drainage patterns (including direction(s) of flow in storm sewers), any receiving body(ies) of water that could potentially be significantly impacted by a spill and any features which need to be taken into account in terms of potential impacts on access and response (including physical obstructions and location of response and clean-up equipment);
 - d. steps to be taken to report, contain, clean up and dispose of contaminants following a spill;
 - e. a listing of telephone numbers for: local clean-up company(ies) who may be called upon to assist in responding to spills; local emergency responders including health institution(s); and Ministry Spills Action Centre 1-800-268-6060;
 - f. Safety Data Sheets (SDS) for each hazardous material which may be transported or stored within the area serviced by the Works and within the owner's control;
 - g. the means (internal corporate procedures) by which the spill contingency plan is activated;
 - h. a description of the spill response training provided to employees assigned to work in the area serviced by the Works, the date(s) on which the training was provided and by whom;

- i. an inventory of response and clean-up equipment available to implement the spill contingency plan, location and, date of maintenance/replacement if warranted; and
 - j. the date on which the contingency plan was prepared and subsequently, amended.
2. The spill contingency plan shall be kept in a conspicuous, readily accessible location on-site.
3. The spill contingency plan shall be amended from time to time as required by changes in the operation of the facility.

The reasons for the imposition of these terms and conditions are as follows:

1. Condition 1 is imposed to ensure that the Works are constructed and operated in the manner in which they were described and upon which approval was granted. This condition is also included to emphasize the precedence of conditions in the Approval and the practice that the Approval is based on the most current document, if several conflicting documents are submitted for review. Condition 1.4 is included to emphasize that the issuance of this Approval does not diminish any other statutory and regulatory obligations to which the Owner is subject in the construction, maintenance and operation of the Works. The Condition specifically highlights the need to obtain any necessary conservation authority approvals. The Condition also emphasizes the fact that this Approval doesn't limit the authority of the Ministry to require further information.
2. Condition 2 is included to ensure that the Ministry records are kept accurate and current with respect to the approved Works and to ensure that subsequent owners of the Works are made aware of the Approval and continue to operate the Works in compliance with it.
3. Condition 3 is included to ensure that the Works are constructed in accordance with the approval and that record drawings of the Works "as constructed" are maintained for future references.
4. Condition 4 is included as regular inspection and necessary removal of sediment and excessive decaying vegetation from the Works are required to mitigate the impact of sediment, debris and/or decaying vegetation on the treatment capacity of the Works. The Condition also ensures that adequate storage is maintained in the Works at all times as required by the design. Furthermore, this Condition is included to ensure that the Works are operated and maintained to function as designed.
5. Condition 5 is included to provide a performance record for future references, to ensure that the Ministry is made aware of problems as they arise, and to provide a compliance record for all the terms and conditions outlined in this Approval, so that the Ministry can work with the Owner in resolving any problems in a timely manner.
6. Condition 6 is included to ensure that the Owner will implement the Spill Contingency Plan, such that the environment is protected and deterioration, loss, injury or damage to any person(s) or property is prevented.

Schedule A

1. Environmental Compliance Approval Application for Industrial Sewage Works submitted by Denso Manufacturing Canada, Inc., dated October 19, 2020 and received on November 17, 2020, and all supporting documentation and information.
2. Sewage Works Design Report "900 Southgate Drive, Guelph, Ontario" dated October 16, 2020 and revised August 4, 2023 including calculations and engineering drawings, prepared by Pinchin Ltd.
3. Memo " 900 Southgate Drive" dated September 21, 2022 prepared by GM Blueplan Engineering Ltd .
4. Comment response letter dated December 12, 2023 and received January 7, 2024 prepared by GM Blueplan Engineering Ltd .

In accordance with Section 139 of the *Environmental Protection Act*, you may by written notice served upon me, the Ontario Land Tribunal and in accordance with Section 47 of the *Environmental Bill of Rights*, 1993, the Minister of the Environment, Conservation and Parks, within 15 days after receipt of this notice, require a hearing by the Tribunal. The Minister of the Environment, Conservation and Parks will place notice of your appeal on the Environmental Registry. Section 142 of the *Environmental Protection Act* provides that the notice requiring the hearing ("the Notice") shall state:

- a. The portions of the environmental compliance approval or each term or condition in the environmental compliance approval in respect of which the hearing is required, and;
- b. The grounds on which you intend to rely at the hearing in relation to each portion appealed.

The Notice should also include:

1. The name of the appellant;
2. The address of the appellant;
3. The environmental compliance approval number;
4. The date of the environmental compliance approval;
5. The name of the Director, and;
6. The municipality or municipalities within which the project is to be engaged in.

And the Notice should be signed and dated by the appellant.

This Notice must be served upon:

Registrar*
Ontario Land Tribunal
655 Bay Street, Suite 1500
Toronto, Ontario
M5G 1E5
OLT.Registrar@ontario.ca

and

The Minister of the Environment,
Conservation and Parks
777 Bay Street, 5th Floor
Toronto, Ontario
M7A 2J3

and

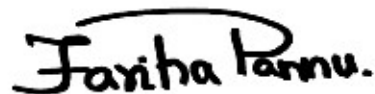
The Director appointed for the purposes of
Part II.1 of the *Environmental Protection Act*
Ministry of the Environment,
Conservation and Parks
135 St. Clair Avenue West, 1st Floor
Toronto, Ontario
M4V 1P5

* Further information on the Ontario Land Tribunal's requirements for an appeal can be obtained directly from the Tribunal at: Tel: (416) 212-6349 or 1 (866) 448-2248, or www.olt.gov.on.ca

This instrument is subject to Section 38 of the *Environmental Bill of Rights*, 1993, that allows residents of Ontario to seek leave to appeal the decision on this instrument. Residents of Ontario may seek leave to appeal within 15 days from the date this decision is placed on the Environmental Registry. By accessing the Environmental Registry at <https://ero.ontario.ca/>, you can determine when the leave to appeal period ends.

The above noted activity is approved under s.20.3 of Part II.1 of the *Environmental Protection Act*.

DATED AT TORONTO this 30th day of January, 2024



Fariha Pannu, P.Eng.
Director
appointed for the purposes of Part II.1 of the
Environmental Protection Act

MS/
c: District Manager, MECP Guelph
Ian Hutcheson, Pinchin, Ltd.