

March 16, 2026

Merrittville Speedway
 2371 Merrittville Highway
 Fonthill ON L0S 1E6

Attention: Lorraine Speice, GM (via email: lorraines.merrittvillespeedway@gmail.com)

RE: Assessment of Daily Sewage Flow, Annual Haulage Tallies and Receipts

Clearford Waterworks Inc. (Clearford) was retained by Don and Lorraine Speice of Merrittville Speedway (Site) to provide assistance and guidance around management of and approvals for the existing wastewater management and haulage. The Site operates as a seasonal motor speedway and event centre, with a number of discrete sewage and grey water holding tanks providing servicing for attendees and staff.

The Site is shown in aerial view (Figure 1).

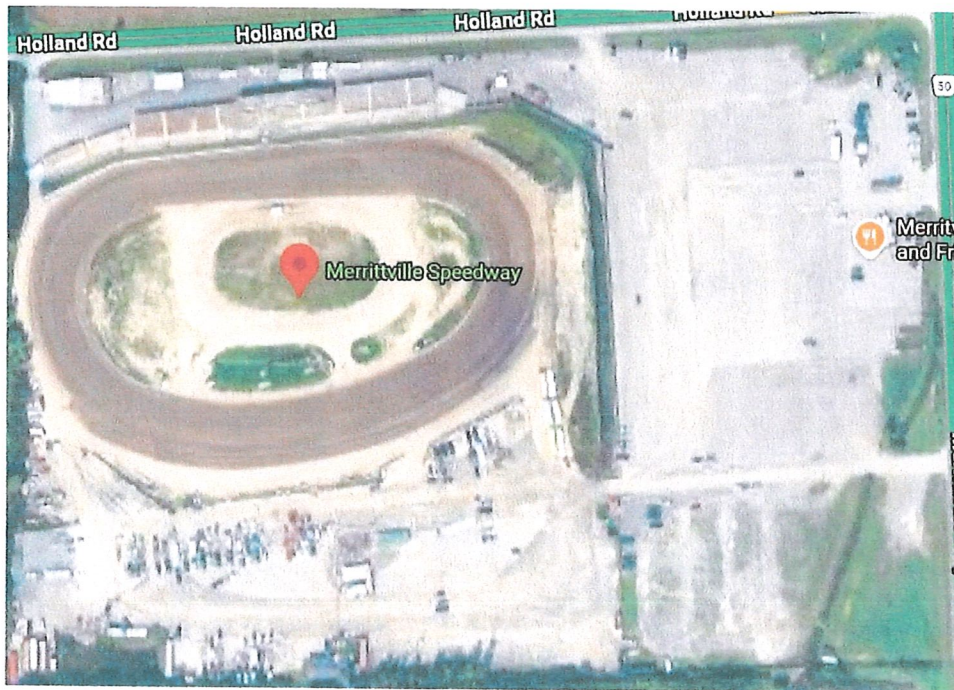


FIGURE 1 AERIAL VIEW OF MERRITTVILLE SPEEDWAY

The Site is provided with sanitary servicing by a number of existing, below grade sewage holding tanks and two (2) on grade grey water (kitchen waste) holding tanks. All wastewater generated and collected on the Site is captured in the holding tanks and hauled for off-site disposal by a

licensed and approved hauled sewage contractor, Blackwater Excavating and Septic Service Inc. (BES) of Port Colborne, ON.

BES provided haulage records for the Site for three (3) years, covering 2023, 2024 and 2025. The use of historical data to determine suitable sewage *design flow rates*, and the *rated capacity* of sewage works, is supported by section 8.5.4 of the MECP *Design Guidelines for Sewage Works*.

Information provided by BES included total volume hauled for disposal per receipt, location of disposal, and interval in days between visits to haul collected wastewater. The data is summarized in Table 1 and broken down in more detail in Table 2.

TABLE 1 SUMMARY OF WASTEWATER HAULAGE 2023 THROUGH 2025

Year	Total Volume Hauled (L)	Avg Day Flow (L/d)*
2023	1,175,493	6,530.5
2024	1,615,300	8,973.9
2025	699,592	3,886.6

*assumes 180 day operating season.

Table 1 provides the basic calculation for average daily wastewater flow at the Site. The calculation used the total volume of wastewater hauled for disposal in a year divided by 180 days, representing the typical operating season.

In all years the derived average day flow (ADF) was below 10,000 L/d.

It is important to note that sewage flows are not necessarily distributed evenly, and the Site is opened periodically outside of typical event days to allow for special gatherings, including an annual neighbourhood Christmas gathering. Table 2 presents a detailed look at peak wastewater generation and disposal for the Site.

TABLE 2 ANALYSIS OF PEAK HAULAGE PERIODS 2023 THROUGH 2025

Year/Date	Total Volume, L	Interval, days	Peak Daily Flow, L/d
2023 Apr 14	40,914	7	5,844.9

2023 May 23	27,276	5	5,455.2
2024 Mar 22	36,368	7	5,195.4
2024 Aug 4	63,644	8	7,955.5
2024 Sep 3	40,914	5	8,182.8
2025 Oct 10	54,552	8	6,819
2025 Sep 5	40,914	6	6,819

The data presented in Table 2 assessed the total volume hauled during the peak days in each of the three years, and divided the total volume hauled by the accompanying interval period to derive the peak ADF for each year.

In all peak events in each year the maximum ADF derived was below 10,000 L/d.

Summary

The evaluation of the haulage volumes for the Site provided by BES for a three-year period clearly indicates the ADF is below 10,000 L/d. The evaluation contemplated both total volume per year over a 180 day operating season and shorter duration high volume events in each of the three years.

Should you have any questions, please feel free to contact me for additional information.

Regards,



John Levie, P.Eng., M.Eng.
 Vice President, Engineering
 Clearford