# 14067 – Closed Caradoc Landfill Site Visit May 15, 2025

**Notes:** Ryan DeVries (BMROSS) met with Paul Zuberbuhler (Strathroy-Caradoc) and Mark Ortiz (Strathroy-Caradoc) on site at 9am. It was sunny and approx. 20°C. The site was mostly dry (i.e. no ponded water), but the air was humid.

The purpose for the visit was to walk the north and south watercourses (on the landfill property) and:

- Install stakes at new proposed piezometer locations.
- Install stakes at new proposed surface water monitoring stations (relocating location of previous offsite locations to onsite locations)
- Observe any additional potential seepage locations or other unique findings.

Several pictures were taken during the site visit which relate to locations of interest. Refer to the attached Figure No. 1 for a reference to the location of these photos. The following sections provide a description of the image and notes.

#### Photo 1



Picture taken from the stream looking back towards the landfill mound. Waste (predominately shingles) evident here in the embankment. Note this is not part of the "landfill mound" as previously identified on the Annual Status Report figures.



Picture taken of the stream looking east at where the south watercourse leaves the east side boundary. Stake installed at this location as a future potential surface water sample location to replace the "Stream West Side Rear" sample location.



Picture taken facing west looking down the watercourse. This is typically what the vegetation looks like along both the south and north watercourses. Stream is hardly noticeable amongst all of the skunk cabbage.

#### Photo 4



Picture taken facing west at the location where the south watercourse crosses into the south boundary of the site. There are several suspected culverts (the ends are likely over 80% clogged) which drain the stream from a higher elevated upstream point (dam) to the lower downstream location. There is also a collection of tires at this location which appear to be on the adjacent private property.



Picture taken of suspected dual culverts noted in above (Photo 4) description (downstream side).

### Photo 6



Picture taken of upstream suspected end of culverts, where stream appears to be draining "into the ground" since the culverts are not actually visible and only suspected to be there.



Upstream of Photo 6,on the adjacent property is a pond. It appears that the stream flows into the pond on one side and out of the pond on the other side.



Small potential groundwater seepage found near location of photos 4 and 5 as evidenced by some iron soil staining. Installed a stake for a proposed piezometer #4 location. Despite the soil staining, there was no observable flow seeping out of the soil at this location.



Installed stake for proposed piezometer #3 near photo 1 location. This appears to be the point along the south watercourse where the stream meanders closest to the landfill mound. Stake installed under Photo 2 description is evident in the background.

#### Photo 10



Stake installed at proposed piezometer #2 location. This is also Point 2 referenced in the April 23 and May 1, 2025 site visit notes. Note, once again the ground at this location was found to be saturated but there was no evidence of any surface overland flow (seepage) occurring.



Point 3 identified by the MECP as a potential seepage location and referenced in the May 1, 2025 site visit notes. There was no observable flow seeping out of the soil at this location at the time of visit.



Photo of stake installed at proposed piezometer #1 location. Similar to piezometer #2 location, saturated conditions but no obvious overland flow observed.

## Photo 13



Location on the stream bank where there had been some ponded water. It was dried now and there appeared to be an algae deposit left behind.



Typical watercourse vegetation growth conditions between Photo 13 and the STP outfall. In general, less skunk cabbage and saturated conditions as the valley depth decreases.

#### Photo 15



Photo of Point 1 as referenced in the April 23 and May 1, 2025 site visit notes. The culvert end continued to have some flow discharging, although the flow appeared to be less than at either previous visits.



Wastewater Treatment Plant outfall noted at right side of photo. Small potential groundwater seepage location noted at left side of photo with some localized brown soil staining. Location was not large (i.e.  $1m^2$ ) and there was not overland flow present.



Wastewater Treatment Plant outfall.



Skunk cabbage again thinning out as I moved upstream further and the valley again decreased in depth.



Small stream offshoot noted heading in the north/south direction.



Site culvert underneath a small access path.



Former dam and likely irrigation suction line discovered. Now appears to be abandoned.

Notes prepared by Ryan DeVries (BMROSS).



- 1. Site formerly used for landfilling wastes (Caradoc Waste Disposal Site).
- 2. Aerial photograph provided by Middlesex County. Parcel fabric provided by MNR (2015).

STREAM EAST

3. Based on the shown Fill Area Limits, the area that was used for landfilling was approximately 2.8ha.

#### LEGEND

#### LIMIT OF SITE

- **PROPERTY LINES**
- **EXISTING FENCE (POST AND WIRE)**
- STREAM AND FLOW DIRECTION (APPROXIMATE LOCATION)
- GENERAL SURFACE DRAINAGE FLOW DIRECTION
- APPROXIMATE LANDFILLED WASTE LIMITS (AS PER STRATHROY-CARADOC)
- ₽1⊕ MECP NOV./24 SAMPLE LOCATION
  - EXISTING SURFACE WATER SAMPLE LOCATION
- MW1 🕤 MONITORING WELL LOCATION AND NUMBER
  - 1 NUMBER AND LOCATION OF PHOTOGRAPH TAKEN



NORTH PART OF LOT 20

CONCESSION 1 (22416 MILL ROAD)

WASTE TRANSFER STATION

**MW9** 

