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Date	Description
1954	Landfill operations began at the site under Sutcliffe Sanitation Services Limited.
1971	Service area expanded to include the Town of Napanee and Desoronto.
1971	 Ministry of the Environment issued Provisional Certificate of Approval No. A 371203
	for a 10.1 hectare landfill footprint.
1974	Burning operations ceased at the site.
1979	 Service area increased to include the Town of Picton, Richmond Township,
	Township of Tyendinaga, North Fredericksburg, Adolphustown and Sophiasburgh.
	Waste tonnage was also increased.
August 11, 1987	 Landfill site expansion approved to 16.2 hectares and to include the site service
	area with the Counties of Lennox and Addington, Prince Edward, Hastings and
	Frontenac.
January 1988	Tricil Limited purchased the landfill site from Sutcliffe Sanitation Services Limited.
bandary 1000	Their Einmed purchased the landing site from Outsine Samation Services Einmed.
September 1989	 From Aerial photography - landfilling in Phase 1. Sewage lagoon is present and
Ceptember 1969	located in Phase 4. All farm buildings exist.
1990	The site came under ownership of Laidlaw as a result of the acquisition of Tricil
1990	Limited.
December 1990	 Landfill operations began in the Phase 2 cell area on prepared clay base.
1991	 Leachate holding lagoon was constructed north of the hydro corridor.
Summer 1993	 Contaminated soil pad constructed to the east of the maintenance building.
	 Phase 3 landfill base was constructed during the summer with waste placed in the
1993	-
Contombor 2, 1004	fall. Notice to amend Certificate of Approval (Waste) No. A371203 was issued by MOE.
September 2, 1994	
	The amendment approved the construction and operation of a composting facility.
December 1994	 From Aerial photography - landfilling is being completed in Phase 3. Compost pad
December 1994	
	is being constructed. Sedimentation pond in the northeast (Pond 1) and south
	(Pond 3) is being constructed; northwest is not constructed and soil stockpile exists
loguar/24_1005	on top of Phase 1
January 24, 1995	Certificate of Approval (Industrial Sewage No. 4-0129-94-956) issued by MOE.
	Approval was granted for the oil/water separator at the contaminated soil stockpile.
1995	
1995	Phase 4 Cell was constructed in the summer/fall of 1995 with landfilling
August 1, 1995	commencing in the summer of 1996. Notice to amend Certificate of Approval (Waste) No. A371203 was issued by MOE.
August 1, 1995	
December 1995	 The amendment prohibited leachate recirculation in Phases 1, 2, and 3. From Aerial photography - landfilling is occuring on the top of Phase 3. Phase 4
December 1995	recently constructed. Soil stockpile is being constructed on top of Phase 1.
September 1006	
September 1996	Leachate haulage to Napanee started
September 11, 1996	Notice to amend Certificate of Approval (Waste) No. A371203 was issued by MOE. The amendment approved the expansion of the leaf and yard waste facility to an
Neversher 1000	organic waste composting facility.
November 1996	 From Aerial mapping - active area is Phase 4 with soil stockpiled on Phases 1, 2
1007	and 3.
1997	Change in ownership - Canadian Waste Services Inc.
January 1997	North Leachate Pump chamber installed
February 1997	First phase of leachate recirculation system installed in Phase 4
November 1997	Landfilling is occurring on the top portion of Phase 4. Contaminated soil stockpile
1000	on top of Phase 1 is in place. Sedimentation pond in northwest corner (Pond 2) is
	not yet constructed.
1998	Last level of recirculation piping installed in Phase 4
Summer 1998	Phase 5 constructed

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Date	Description
Fall 1998	 Installation of temporary gas collection and flaring system to establish gas
	generation rates - two temporary vertical gas extraction wells, a temporary gas
	collection trench, and temporary flaring/mechanical system.
November 5, 1998	 Small landfill fire in Phase 5 waste. Soil sampling of adjacent properties indicated
	no impact to surrounding environment.
December 1998	 From Aerial photography - Phase 5 has been constructed and waste placement h
	begun in Phase 5. Soil is being stockpiled on top of Phases 1, 2 and 3.
1999	Two levels of leachate recirculation installed in Phase 5
	Northwest sedimentation pond (Pond 2) constructed
Summer 1999 November 1999	 From Aerial photography - landfilling is occuring in Phase 5. Northwest
	sedimentation pond (Pond 2) has been constructed. Landfill flare is not in place.
December 21, 1999	Cartificate of Approval (Air) No. 9 4070 00 000 jacual by MOE. The cartificate w
	Certificate of Approval (Air) No. 8-4076-99-006 issued by MOE. The certificate w
	issued for a permanent, enclosed flare.
2000	First loads of biosolids received at compost pad for composting
April to May 2000	Installation of 24 vertical gas extraction wells in landfill mound. Throughout the year
	connection of 12 cleanouts and 9 leachate cleanouts, along with the landfill gas
-	wells, to the system occurred.
August 29, 2000	Certificate of Approval issued by MOE, approving the installation of the Phase 1
	leachate collection system.
Fall 2000	 Leachate collector installed on north and west sides of Phase 1
December 2000	From Aerial photography - landfilling on top of Phase 3. Soil stockpile on top of
	Phase 1 is being depleted. The peripheral leachate collector on Phase 1 has been
	constructed. Sedimentation pond in northwest corner (Pond 2) is in place. Land
	flare has been installed.
February 2001	Landfill gas collection and flaring started
Summer 2001	Leachate collector replaced between Manhole 1 to 4.
July 10, 2001	Landfilling on the north slope of Phase 2.
2002	Condensate drain traps were installed at low points in the gas collection system t
	reduce the amount of moisture at the flare.
Summer 2002	Leachate collector replaced between Manhole 1 and 7.
July 2002	Landfilling is occurring on the north face of Phase 1. Contaminated soil stockpile
00.9 2002	top of Phase 1 is nearly completed.
2003	Change in ownership - Waste Management of Canada Corporation
2003	High pressure odour misting system installed
2003	 10 new vertical gas collection well installed
May 8, 2003	Certificate of Approval (Air) No. 1355-5LRN9N issued, which revoked the previou
May 0, 2000	Certificate of Approval. The notice approved the operation of the flare and gas
	collection system, comprising of a maximum of 54 wells, 12 leachate manholes a
	9 cleanouts.
2004	6 new vertical gas collection well installed
Spring 2004 2006	
	i mai your of ouour opiny oyotom oporation
June 18, 2007	Submission of final closure plan to MOE
2007	3 new vertical gas collection wells installed, and 5 vertical gas collection wells we solution of the second sec
	redrilled. Pumps were also placed in select wells to lower leachate levels and
• • • • •	improve gas collection.
Summer 2008	5 vertical gas collection wells were redrilled, and the gas header pipe on the east
	and west slopes was upgraded from 150mm diameter to 300mm diameter to
	improve flow and decrease friction loss. Isolation valves were also added at varie
	locations on the gas header.
August 19, 2008	 Certificate of Approval (Industrial Sewage Works No. 5268-7E8LJW) issued,
	approving upgrades/construction to the south sedimentation pond (Pond 3).

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Date	Description
2009	 Landfilling in old access road area - south slope
July through September 2009	 Installation of seven (7) vertical gas extraction wells over the crest of the landfill
	mound, and redrilling of 12 wells on the upper north, east, and south slopes.
2010	 Decommissioning of leachate holding lagoon north of landfill mound.
March 31, 2010	 Notice 5 to Certificate of Approval No. A371203, issued by MOE. The amendment
	approved the final closure plan, listed a date of closure for the landfill, and dates for
	completion of final cover installation for various phases of the landfill. The notice
	also requested the submission of a revised financial assurance calculation,
	contingency plans, design for the final cover system, design for low permeability
	liner for compost pad and pond, and revised environmental monitoring plan, by June
	30, 2010.
June 25, 2010	 Submission of financial assurance plan, final cover construction quality assurance
	plan, contingency plans for the leachate and landfill gas collection systems, design
	for low permeability liner for compost pad and pond, and odour monitoring plan, to
	MOE to satisfy various conditions from March 31, 2010 Certificate of Approval
	amendment.
June 29, 2010	 Submission of environmental monitoring plan and groundwater/surface water
	contingency plan, to MOE to satisfy various conditions from March 31, 2010
	Certificate of Approval amendment.
August 25, 2010	 Notice 6 to Certificate of Approval No. A371203, issued by MOE. The amendment
	approved the construction quality assurance plan for the final cover system.
August 27, 2010	Start of installation of final cover system on Phase 1.
October 28, 2010	 Completion date of final cover placed on entire Phase 1 portion of landfill
December 2010	 Submission of phytoremediation plan for northwest corner of property.
Spring 2011	Installation of three (3) vertical gas extraction wells
May 2, 2011	Notice 8 to Certificate of Approval No. A371203, issued by MOE. The amendment
	approved the construction/operation of the phytoremediation plan in the northwest
N. 05 0044	corner of the property.
May 25, 2011	Application submitted to MOE requesting continued operation of the public drop off
May 25, 2014	facility
May 25, 2011	 Application submitted to MOE requesting that the operation of the stormwater ponds
luna 20, 2014	be as designed (free flowing).
June 30, 2011	 Last load of waste accepted and disposed in landfill mound Closure of the public drop off facility
lub/ 4, 2011	 Decommissioning of contaminated soil pad Start of installation of final cover system on Phases 2, 3, 4, and 5
July 4, 2011	
August 2011 Soptombor 22, 2011	 Decommissioning of compost pad and pond completed. Final cover system over entire Phases 2, 3, 4, and 5 completed.
September 23, 2011 January 9, 2012	
January 9, 2012	 MOE issues Environmental Compliance Approval No. A371203, consolidating the previous Certificate of Approvals and amendments. The permit also approved
	several submissions from June 2010, subject to various conditions.
	 MOE issues amendment to Environmental Compliance Approval No. A371203,
	approving the re-opening of the public drop off facility, subject to conditions.
January 10, 2012	 MOE issues Environmental Compliance Approval No. 1688-8HZNJG, consolidating
January 10, 2012	the previous Certificate of Approvals and amendments for Industrial Sewage Works.
	Approval also granted under this document to allow the stormwater management
	ponds to operate in a free flowing manner.

The potential sources of volatile organic compounds (VOCs) on the landfill site include the following:

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Date	Description
	• The unlined Phase 1 area of the landfill, operated since 1954 until site closure in 2011;
	• Maintenance shop located south of the landfill footprint (date of initial operation unknown);
	• Sewage lagoon operated by Sutcliffe Sanitation, located on the south side of the landfill in the area now covered by Phase 4 (date of initial operation unknown, but decommissioned in 1990 prior to Phase 2 construction of the landfill);
	• Stormwater runoff from the contaminated soil pad constructed in 1993, located to the east of the maintenance shop;
	• Historic sporadic leachate seep breakouts (typically along the south and northwest sides of the landfill);
	• Septic sewage systems with distribution tile fields, located east of the scalehouse and maintenance shop (dates of installation unknown); and
	• Former abattoir located immediately south of the site (operated from the mid- 1960s to early 2000s).