

# Broome County Landfill 286 Knapp Rd. Binghamton, NY





The Broome County Landfill property is 1,284 acres. Another 99 acres is permitted and 12 acres of that is built and opened in August 2009.



Entrance of the Broome County Landfill. The landfill is open Monday-Friday 7am-2:45pm and Saturday 7am-11:45am.



Residential recycling drop-off is located by the main entrance of the landfill. There is no charge for residents to bring recyclables to the drop-off location.



When recycling containers are full they are transported to the recycling facility.



The roll-off truck pulls the container onto the bed of the truck.



Every vehicle that enters the landfill is weighed in & out at the scalehouse.



The scale operator will direct you to the appropriate location to place materials and will receive your payment.





The inbound scales where vehicles weigh in & out. All vehicles must go over the scales.



Residential convenience center for garbage disposal. Passenger vehicles are not permitted on the working face of the landfill where garbage is actively being buried.



Residents deposit their waste in designated roll-off cans.  
Full roll-off cans are taken to the working face to be emptied.



Free recycling area for oil, oil filters & antifreeze.



The household hazardous waste (HHW) facility accepts household chemicals and electronics for recycling. Collections are held year round and are free for Broome County residents



Designated collection dates are listed on the County website at [www.gobroomecounty.com](http://www.gobroomecounty.com) or call the Division at 778-2250 for a full listing. Collection hours are always 7:30am to 11:30am on collection days.



On collection days residents pull into the facility and staff unload their vehicle. Residents then drive out and exit the facility.



**Section III**

**Section II**

Closed Section II of the landfill. Section II is approximately 20 acres in size and was used from 1989-1993.





As garbage decomposes it creates methane & CO<sub>2</sub>. Gas vents are in place to passively release the gases. These gas vents are seen in the older sections of the landfill.



In some areas of the landfill gas wells and piping are in place to collect the gas from the landfill to produce energy. In this case the “candy cane” shaped vents are absent.



The gas to energy facility converts landfill gas to electricity. Currently four engines are on site to produce electricity. Excess gas that is not used to produce electricity must be flared-off to prevent the release of green house gases.



Section I of the landfill is approximately 105 acres and is the oldest area of the landfill.



The leachate treatment facility operates year round, 24 hours a day.



As the garbage decomposes it produces a liquid called leachate. The leachate is gravity fed to the facility for partial cleaning. Each of the three tanks at the facility holds 500,000 gallons of leachate.



The leachate is pumped onto a water tanker and taken to a waste water treatment plant for final cleaning before being discharged back into the waterways.



Additional leachate tanks for the new Section IV of the landfill. Each tank can hold 2.2 million gallons of leachate. In August 2009 garbage began to be placed in the new 12 acre cell.





Yardwaste is accepted and composted onsite. On average we receive between 650 to 850 tons of material each year.



To begin the composting process yardwaste is shredded to facilitate composting.



Shredded yardwaste is placed in windrows. The windrows will reach an internal temperature of approximately 140 degrees. The piles will be turned after a few weeks.



The trommel screen is used to screen the compost and remove any larger pieces that did not breakdown during the process. Larger pieces will go back through the composting process.



Final compost is given away free to residents while the supply lasts. Free compost is located near the scalehouse. Residents must go over the scales first before heading to the compost pile.



One of the sediment ponds at the landfill. All ponds are tested to monitor the landfill is not having any detrimental affect on the surrounding environment. It has a healthy fish population. No hunting or fishing is allowed on landfill property.



Tires received at the landfill are sent to a recycling facility.



Salt storage facility is used to store sand for maintaining the roads during winter.





Section III of the landfill is approximately 20 acres in size and will reach approximately 1620 feet in elevation. We will near capacity of the section towards the end of 2009.



The landfill compactor is a key piece of equipment. It is used to compress garbage to maximize airspace. The compactor weighs 122,000 pounds.



The compactor will run over the waste 4-5 times to maximize compaction.



The active working face is accessible to large trucks such as transfer trailers and packer trucks. Individuals are not permitted on the working face.



There are strict safety requirements for all drivers that access the working face as it is a busy and dangerous area with large moving equipment.



Distant view of the active working face. At the end of each day the garbage must be covered with 6 inches of cover material to keep garbage from blowing and to keep it protected from wildlife.



Cover material can be dirt, tire chips, glass aggregate or use of a tarp. The tarp (pictured above) is the preferred cover as it does not waste valuable landfill space.



View of pond from top of the active working face of the landfill.





View of hazardous waste facility and scalehouse.



Nearing the exit of the landfill where free compost and pallets are available.



Construction of cell 1 of Section IV of the landfill. Cell 1 is 12 acres in size. Section IV is 99 acres in size and additional cells will be built as needed. It is estimated we have 35-40 years of landfill capacity.



The first loads of waste are placed in Section IV Cell 1 of the landfill in August of 2009.



At first only “select” waste is placed in the new cell. No construction and demolition debris is permitted in order to protect the liner from accidentally tearing.



BC NANTICOKE SANITARY LANDFILL  
HOURS OF OPERATION:  
MON-FRI 7:00am 2:45pm GATES CLOSED  
VEHICLES OUT BY 3:00pm  
SAT 7:00am 11:45am GATES CLOSED  
VEHICLES OUT BY NOON  
BROOME COUNTY REFUSE ONLY  
ALL LOADS MUST BE SOURCE SEPARATED, COVERED, SECURED

LANDFILL CLOSED SUNDAYS AND ON:  
NEW YEARS DAY · THANKSGIVING DAY  
CHRISTMAS DAY · JULY 4 Th  
LABOR DAY · MEMORIAL DAY

SORRY  
LANDFILL'S  
CLOSED

The Broome County Landfill is a state-of-the-art facility which continually strives to provide County residents with outstanding service.

**Interested in visiting the landfill for a tour?**

**Call 778-2250 for more information.**

**Recycling, Waste Reduction and  
Composting programs are also available  
and all are free!**

**Visit [www.gobroomecounty.com](http://www.gobroomecounty.com)**

**Brought to you by:**

**Broome County**

**Division of Solid Waste Management**

**60 Hawley Street**

**Binghamton, NY 13901**

**607-778-2250**