

Dane County Landfill - Waste Transfer Station and Clean Sweep Building

Letter of Intent

Dane County has operated a municipal solid waste landfill at this site, as a service to its residents and to local municipalities, since 1985, with an expansion to its current footprint occurring in 1994. In recent years, Dane County has received 175,000 – 200,000 tons of solid waste annually. Dane County has a plan of operation on file with the WI DNR, and the site complies with all applicable regulations. Dane County has also worked hard to maintain a very good working relationship with the neighbors of this site, while providing an economical and environmentally responsible waste disposal solution as an element of its comprehensive and integrated solid waste management plan.

As part of its plans for continued landfill operation, Dane County is always looking for ways to divert waste and extend the life of the landfill. One of the best methods for accomplishing this is to divert recyclable materials from the waste stream that is disposed of in the landfill hill. Diverting recyclable materials to recycling markets will extend the life of our landfill, increase recycling rates, and reduce our dependence on raw materials for manufacturing. In an effort to divert more material from the landfill hill, Dane County is proposing the construction of new waste transfer station at the current Dane County landfill site, 7102 U.S. Hwy 12 & 18, Madison WI.

The waste transfer station will be used to separate recyclable materials, especially Construction and Demolition waste, from the waste stream. This separation will take place on the tipping floor slab, which is the main floor space within the waste transfer station and where waste haulers will dump their loads. Wastes will then be loaded onto semi trailers one of two ways. Waste will either be 1) top loaded into open-top semi trailers parked below the tipping floor slab; or 2) pushed into holes at the south end of the tipping floor slab. The holes on the south end of the building lead to compactors below, where the waste will be compacted before being end-loaded onto semi trailers. The semi trailers will then haul the wastes to appropriate final locations. This building is being designed to eventually handle 1800 tons of waste per day. The building would use renewable heat from the electrical generation engines on site to heat the tipping floor slab.

In addition to the waste transfer station, Dane County is also proposing to construct a household hazardous waste drop off site to house the Clean Sweep program year-round. The Clean Sweep program provides a place for residents to safely dispose of hazardous household materials, such as fertilizer, chemicals, mercury, paint, batteries, etc. Currently, Clean Sweep is only open during the summer months, but this new building will allow Clean Sweep to remain open to County residents year-round. The Clean Sweep building would obtain all of its heat from the electrical generation engines on site, a renewable energy source.

As shown on the attached plans, the construction of these facilities includes construction of drive paths and parking areas. A stormwater control plan will be developed for this

site, and it will coordinate future runoff with the existing storm waterplan on file with the DNR.

Because the transfer station will be handling waste that would have already been coming to this site, the only anticipated increase in traffic for the transfer station is the relatively small number of semi trailers leaving the facility. The largest traffic increase will be due to residents using the Clean Sweep facility, which will result in an estimated increase of less than 50 vehicle trips per day during its busiest period.

Key Project Milestones:

February 18, 2010: Bids due from contractors

April 1, 2010: Notice to Proceed

May 7, 2010: Begin construction

December 2, 2010: Substantial Completion.