

Snyder County Solid Waste Plan Update 2000 Summary

(Prepared by Gannett Fleming)

Summary of County:

- 15 second-class townships and 6 boroughs
- Total land mass = 332 sq miles
- Population and economic activities centered on eastern portion of county, around Selinsgrove
- 1990 population = 36,680
- 2000 projected population = 39,777 (by Snyder County Planning Comm)
- 2010 projected population = 42,873 (by Snyder County Planning Comm)

The wastes accounted for in the Snyder County plan update based on the County's needs were

- Municipal – 28,811 tons/year in 1999
- Residual – 7,614 tons/year in 1997 at non-captive facilities
- Sewage Sludge – estimated at 438 tons/year in 2000
- Infectious/Chemotherapeutic – estimated at 30 tons/year in 1989
- Construction/Demolition – estimated at 1,846.7 tons/year in 1997
- Household Haz Waste – estimated at less than 0.5% of waste stream

Waste Projection

- Municipal waste tonnage received at disposal facilities in 1997 = 17,168.1 tons/year
- Gross municipal waste tonnage generated in 2000 = 29,037 tons/year = 79.6 tons/day
- The 2001 Plan projected 2010 Gross MSW generation = 31,298 tons/year based on above rate and population of 42,873
- For the 11-year period from 2000-2010, the Plan projected a total of 331,837 tons of MSW (excluding sewage sludge) = 30,167 tons/year on average = 82.6 tons/day on average
- Recycling was expected to increase from 28% for 2000, rising to 32% in 2002, and then up to 35% from 2003-2010

Per Capita Waste Generation

- In 1999, gross discards (28,811 tons) divided by estimated 1999 County population (39,467) = 0.73 tons/person/year (TPY). This rate was used to estimate tonnage based on projected 2010 population
- The per capita waste generation rate for Snyder County for 42,873 residents would be approximately 4.0 lbs/person/day in 2010, or a total of 31,298 tons

Sludge from Wastewater Treatment Plants in County

- In 2000, Snyder had 8 publicly-owned WTP facilities, treating 3.79 MGD
- 3 used landfilling, 5 used land application and 1 used a lagoon for disposal

- Beyond 2000, the 8 treatment plants planned to use land application or landfilling for disposal
- In 2000, there were privately-owned WTP facilities, but there was insufficient data to make conclusions
- The 1997 DEP report estimated 0.11 tons/capita of sludge generation, and the 2000 and 2010 sludge projections = 438 and 472 tons/year, respectively
- Septage from on-lot sewage facilities was assumed to be land applied, so no estimate of tonnage produced was included in the report

Construction/Demolition Materials

- 1,846.7 tons/year in 1997

Snyder County Recycling Program Description

- Selinsgrove is the only Mandated Community in the County, and they provided curbside recycling with a population of 5,494 in 1997
- Shamokin Dam also had curbside recycling
- 10 municipalities had drop-off recycling programs
- Based on the 1998 annual recycling report, 5,717 tons of material was recycled
- This represents 20% of the waste stream
- Recyclables were estimated to composed of glass (6%), office paper (3.9%), white goods (1.8%), steel & bi-metal cans (1.8%), aluminum (0.8%), misc ferrous/nonferrous metal (3.6%), PET and HDPE containers (1.8%), yard waste (17.9%), rubber tires (1.1%), corrugated paper (12.3%) and newsprint (8.0%)
- The above represents 59.0% of the “recyclable” materials in the waste stream – the remaining portion was non-recyclable due to contamination or was composed of non-recyclable items (textiles, plastics, ceramics, etc.)
- Selinsgrove operated a leaf and yard waste collection program

MSW Collection Systems

- As of 2000, all waste collection and hauling was handled by private hauling firms in all municipalities
- Each municipality required that residents make their own arrangements for waste removal through private contract with hauler
- 8 municipalities had a solid waste ordinance
- 19 Hauling companies were listed in the report for 1998
- MSW collected in the County was delivered directly to a landfill or processed thru one of 3 transfer stations (one in Shamokin , and the other 2 out of county)
- The majority of MSW generated in Snyder Co was transported to the Lycoming County Landfill with small amounts going to Mifflin Co and Pine Grove Landfills
- There were no solid waste disposal facilities within the county in 2000
- Sewage sludge disposal is by land application, landfilling or lagoon systems

- Disposal of the infectious/chemotherapeutic waste was handled by the generator
- The County waste mgmt system is funded by a system administrative fee surcharge on the tip fees collected at the contracted disposal facilities
- The County also issued haulers licenses on an annual basis and enforced hauler regulations

Request for Proposals for Disposal Capacity:

- Snyder County Commissioners submitted an RFP for disposal capacity in Jan 1999
- 12 proposals were received
- County contracted with 10 facilities: Lycoming Landfill, Wayne Twp Landfill, Cumberland Co Landfill, Mountain View Reclamation Landfill, Phoenix Resources Inc, Sandy Run Landfill, Pine Grove Landfill, Mosteller Landfill, Shade Landfill, Laurel Highlands Landfill

Snyder County Plan Recommended Goals

- Maximize economically feasible recovery of material through recycling and yard waste composting
- Promote waste reduction by education and financial incentives
- The County will continue to research biosolids processing and disposal alternatives as these technologies become more economically and environmentally feasible
- The County will consider implementing a Household Haz Waste Program
- To achieve 35% recycling by 2003
- To expand recycling into non-mandated municipalities
- To provide special waste recycling programs to county residents
- To provide commercial, institutional and industrial establishments with waste management and recycling info and options
- Increase solid waste mgmt and recycling awareness in County

Note: - those items highlighted in light blue were not included in the 2001 Plan but were added for comparison purposes with other Counties in the Region.