Table 2-8

Seneca Meadows, Inc.
Landfill Expansion DGEIS
Projection of Available Landfill Capacity

Landfill	Existing and Entitled Capacity Under Permit as of 12/31/2003 (tons)	Estimated Waste Placement Rate (tons/year)	Approximated Existing and Entitled Capacity Under Permit as of December 31 of Year Indicated (tons)													
			2004	2006	2008	2010	2012	2014	2016	2018	2020	2022	2024	2026	2028	2030
Sullivan County [1]	200,000	200,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chaffee (CID) [2]	725,426	336,000	395,426	0	0	0	0	0	0	0	0	0	0	0	0	0
Chemung County	326,946	83,846	243,100	75,408	0	0	0	0	0	0	0	0	0	0	0	0
Madison County	365,854	62,400	303,454	178,854	53,854	0	0	0	0	0	0	0	0	0	0	0
Albany [3]	1,358,293	255,000	1,103,293	593,293	83,293	0	0	0	0	0	0	0	0	0	0	0
Auburn [4]	479,320	76,000	403,320	251,320	99,320	0	0	0	0	0	0	0	0	0	0	0
Hyland	1,429,229	232,440	1,196,789	731,909	267,028	0	0	0	0	0	0	0	0	0	0	0
Chautauqua County	1,983,100	336,075	1,647,025	974,875	302,725	0	0	0	0	0	0	0	0	0	0	0
Seneca Meadows	11,147,730	2,000,000	9,147,730	5,147,730	1,147,730	0	0	0	0	0	0	0	0	0	0	0
Allegany County [6]	545,220	76,680	468,540	315,180	161,820	8,460	0	0	0	0	0	0	0	0	0	0
Clinton County	1,321,143	175,000	1,146,143	796,143	446,143	96,143	0	0	0	0	0	0	0	0	0	0
Ontario County [7]	3,049,103	624,000	5,174,700	3,926,700	2,678,700	1,430,700	182,700	0	0	0	0	0	0	0	0	0
Cortland County	285,560	24,000	241,560	193,560	145,560	97,560	49,560	1,560	0	0	0	0	0	0	0	0
Delaware County	415,000	32,670	382,330	316,990	251,650	186,310	120,970	55,630	0	0	0	0	0	0	0	0
Franklin County	914,664	72,500	842,164	697,164	552,164	407,164	262,164	117,164	0	0	0	0	0	0	0	0
Developmental Authority of the North Country (DANC) [7]	5,015,268	343,200	4,672,068	3,985,668	3,299,268	2,612,868	1,926,468	1,240,068	553,668	0	0	0	0	0	0	0
Niagara Recycling [8]	1,675,000	660,000	1,015,000	7,695,000	6,375,000	5,055,000	3,735,000	2,415,000	1,095,000	0	0	0	0	0	0	0
Colonie	3,433,771	207,040	3,226,731	2,812,851	2,398,971	1,984,491	1,570,411	1,156,331	742,251	328,171	0	0	0	0	0	0
Fulton County [9]	2,500,833	134,000	2,366,833	2,098,833	1,830,833	1,562,833	1,294,833	1,026,833	758,833	490,833	222,833	0	0	0	0	0
Mill Seat	8,848,737	500,000	8,848,737	7,848,737	6,848,737	5,848,737	4,848,737	3,848,737	2,848,737	1,848,737	848,737	0	0	0	0	0
Bath Sanitary [10]	1,638,000	80,000	1,558,000	1,398,000	1,238,000	1,078,000	918,000	758,000	598,000	438,000	278,000	118,000	0	0	0	0
Albion [11]	0	390,000	0	0	6,600,000	5,820,000	5,040,000	4,260,000	3,480,000	2,700,000	1,920,000	1,140,000	360,000	0	0	0
Saratoga County [12]	1,425,000	106,000	1,425,000	1,425,000	1,425,000	1,425,000	1,425,000	1,425,000	1,213,000	1,001,000	789,000	577,000	365,000	153,000	0	0
Farmersville [13]	0	780,000	0	16,843,000	15,285,000	13,725,000	12,165,000	10,605,000	9,045,000	7,485,000	5,925,000	4,365,000	2,805,000	1,245,000	0	0
Chenango County	750,000	21,000	729,000	687,000	645,000	603,000	561,000	519,000	477,000	435,000	393,000	351,000	309,000	267,000	225,000	183,000
Bristol Hill	1,892,066	45,012	1,847,054	1,757,030	1,667,006	1,576,982	1,486,958	1,396,934	1,306,910	1,216,886	1,126,862	1,036,838	946,814	856,790	766,766	676,742
High Acres [14]	27,962,487	900,000	27,062,487	25,262,487	23,462,487	21,662,487	19,862,487	18,062,487	16,262,487	14,462,487	12,662,487	10,862,487	9,062,487	7,262,487	5,462,487	3,662,487
Broome County [15]	10,131,113	210,200	10,892,913	10,472,513	10,052,113	9,631,713	9,211,313	8,790,913	8,370,513	7,950,113	7,529,713	7,109,313	6,688,913	6,268,513	5,848,113	5,427,713
Modern [16]	32,032,000	905,840	31,126,160	29,314,480	27,502,800	25,691,120	23,879,440	22,067,760	20,256,080	18,444,400	16,632,720	14,821,040	13,009,360	11,197,680	9,386,000	7,574,320
Ava [17]	0	260,000	0	15,991,040	15,471,040	14,951,040	14,431,040	13,911,040	13,391,040	12,871,040	12,351,040	11,831,040	11,311,040	10,791,040	10,271,040	9,751,040
Total Remaining Capacity	122,330,882		117,485,558	141,785,384	130,293,842	115,457,607	102,974,090	91,860,456	80,401,518	69,674,666	60,682,392	52,214,718	44,860,814	38,044,510	31,959,408	27,275,302
Maximum Usable Capacity	8,692,905		8,492,905	9,202,905	9,509,057	6,547,142	6,295,462	5,671,482	5,542,292	4,539,092	4,332,052	3,698,052	3,619,052	3,228,052	2,342,052	2,342,052

General Notes:
The estimated waste placement rates used in this table were the values used in the 2003 Annual Reports to calculate the remaining site life of each landfill (this may differ from both the permit limit on capacity and the waste placed in 2003).
The Existing and Entitled Capacity Under Permit is as reported in NYSDEC's "Capacity Data for Solid Waste Facilities", dated January 16, 2005.
Exceptions are noted below.

Facility Specific Notes:
1 Sullivan County landfill received a permit for an expansion in 2005. However, that capacity may be depleted before the end of 2006. A permit for a larger expansion has been submitted, but is not complete at this time.
2 According to a representative from NYSDEC Region 9, 5,912,000 tons of capacity is anticipated to come online in 2006; however, the application is not yet complete.
3 NYSDEC's "Capacity Data for Solid Waste Facilities" lists Albany's capacity as 0 tons; however, the facility's 2003 Annual Report shows 1,611,057 cubic yards of permitted capacity remaining and an estimated waste density of 0.75 tons per cubic yard.
4 90,000 tons/year was used to calculate the remaining site life in the 2003 Annual Report. However, this value represents the sum of 76,000 tons/year permitted annual capacity plus an estimated allowance of 14,000 tons/year alternate daily cover (ADC).
Since none of the other landfills indicated that an allowance for ADC was included in their calculations, only the permitted annual capacity for the Auburn Landfill was used to determine the remaining site life in this table.
5 Two different values were utilized in the 2003 Annual Report to calculate the site life remaining (60,960 tons/year and 76,680 tons/year). Since the Regional Engineer did not have a reason for this difference, the value of 76,680 tons/year was chosen because it will provide a more conservative estimate.
6 A permit for an expansion that will provide approximately 7,400,000 cubic yards (approximately 5.2 million tons) of capacity to the constructed capacity was approved in June 2004.
7 A value of 246,480 tons/year was used to calculated the site life in the 2003 Annual Report. However, the approved annual permit limit was increased from 790 tons/day (246,480 tons/year) to 1,100 tons/day (343,200 tons/year) in 2004.
The latter value was utilized in this table because it provides a more conservative estimate of site life.
8 Per a representative from NYSDEC Region 9, the Niagara Recycling landfill has received a Notice of Complete Application for an 8 million cubic yard expansion that could be operational in late 2005 or 2006. Anticipated waste density is 1 ton/cubic yard.
9 It was stated in the annual report that under optimal conditions the entire permitted area would provide capacity until the year 2070. The actual capacity of the area under permit was not provided. The existing and entitled capacity under permit was therefore estimated by multiplying the number of years the facility was expected to be in service (67 years) by the existing annual permit limit of 134,000 tons/year.
10 The existing and entitled capacity under permit is based upon information provided by the Regional Engineer.
11 Per a representative of NYSDEC Region 8, the Albion facility is permitted to accept 1,500 tons per day. It was estimated that the facility will operate 260 days per year, and hence will accept no more than 390,000 tons per year. Additionally, the Albion facility was permitted by the NYSDEC, but has yet to receive authorization from the Town to build or operate. It was assumed that this facility would come online in 2006.
12 The Saratoga County Landfill is constructed, but there are no plans to operate in the near future per NYSDEC. For the purposes of this table, it was assumed that the facility would begin operation in 2015.
13 Permit hearings are currently in progress regarding this proposed landfill; therefore, it was approximated that the landfill would be approved in 2006 and that the capacity would come online in 2007. The estimated waste placement rate was based upon the approved design capacity of 3,000 tons/day multiplied by an estimated 260 days of operation/year, which corresponds to the estimated design life of 21 years.
14 Per a representative from NYSDEC Region 8, the site life of the High Acres facility given in the 2003 Annual Report is correct, but the corresponding airspace is incorrect. Therefore, the Existing and Entitled Capacity Under Permit was computed by multiplying the site life by the waste acceptance rate consistent with the 2003 Annual Report.
15 Two different values were utilized in the 2003 Annual Report to calculate the site life remaining (210,200 tons/year and 207,000 tons/year). Since the Regional Engineer did not have a reason for this difference, the value of 210,200 tons/year was chosen because it will provide a more conservative estimate. Further, an expansion of approximately 1.2 million cubic yards of airspace (972,000 tons) was granted in May 2004, and is shown by an increase in capacity from 2003 to 2004.
16 Per a representative from NYSDEC Region 9, the Modern Landfill constructed a 7,617,000 cubic yard expansion project in 2004 that provides a site life of 8 years and 9 months from April 2004. There is also a permitted expansion area that represents another 23.2 million cubic yards of airspace providing an additional 26 years of site life. Waste density is reported to be 1.04 tons per cubic yard. Although NYSDEC's "Capacity Data for Solid Waste Facilities" shows no capacity, the capacity is at the end of 2003 is estimated to be 32,032,000 tons (7.6M cy + 23.2M cy = 30.8M cy; 30.8 M cy X 1.04 tons per cubic yard = 32,032,000 tons).
17 According to a representative from NYSDEC Region 6, the estimated design life of the landfill increased from 50 years to 62 years due to improvements in compaction techniques since the original design was submitted (i.e., the in-situ density (tons/cubic yard) increased). Correspondingly, the existing and entitled capacity would increase from 12,896,000 tons to approximately 15,991,040 tons. The estimated waste placement rate was based upon the approved design capacity of 1,000 tons/day multiplied by an estimated 260 days of operation/year, which corresponds to the estimated design life of 62 years. The facility is expected to begin accepting waste in 2006.