

APPENDIX E.2
WASTE PROJECTIONS



**TABLE E.2-1. WASTE PROJECTIONS
TOTAL WASTE DISPOSAL RATE**

County	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Cook											
Population	5,376,741	5,397,191	5,417,641	5,438,091	5,458,541	5,478,991	5,499,441	5,519,891	5,540,341	5,560,791	5,581,241
Disposal Rate (pcd)	8.0	8.3	8.0	7.5	8.3	8.1	7.8	7.6	6.8	6.8	6.8
Tons Disposed (tpy)	7,850,042	8,175,395	7,909,756	7,443,387	8,268,325	8,099,318	7,828,454	7,656,089	6,875,563	6,900,942	6,926,320
Lake											
Population	644,356	651,021	657,686	664,351	671,016	677,681	684,346	691,011	697,676	704,341	711,006
Disposal Rate (pcd)	8.0	8.3	8.0	7.5	8.3	8.1	7.8	7.6	6.8	6.8	6.8
Tons Disposed (tpy)	940,760	986,134	960,222	909,330	1,016,421	1,001,782	974,167	958,432	865,816	874,087	882,358
McHenry (8 Eastern Townships)											
Population	226,542	231,631	236,720	241,809	246,898	251,987	257,076	262,165	267,254	272,343	277,432
Disposal Rate (pcd)	8.0	8.3	8.0	7.5	8.3	8.1	7.8	7.6	6.8	6.8	6.8
Tons Disposed (tpy)	330,751	350,863	345,611	330,976	373,989	372,500	365,948	363,623	331,662	337,978	344,293
Kenosha (Wisconsin)											
Population	149,577	151,200	152,823	154,446	156,069	157,692	159,315	160,938	162,561	164,184	165,807
Disposal Rate (pcd)	8.9	9.2	8.9	8.6	9.0	9.0	9.2	8.8	8.2	8.2	8.2
Tons Disposed (tpy)	242,950	253,865	248,223	242,403	256,343	259,009	267,490	258,466	243,273	245,701	248,130
Total/Average											
Population	6,397,216	6,431,043	6,464,870	6,498,697	6,532,524	6,566,351	6,600,178	6,634,005	6,667,832	6,701,659	6,735,486
Disposal Rate (pcd) (365 days)	8.0	8.3	8.0	7.5	8.3	8.1	7.8	7.6	6.8	6.8	6.8
Tons Disposed (tpy)	9,364,503	9,766,257	9,463,812	8,926,096	9,915,078	9,732,609	9,436,059	9,236,610	8,316,314	8,358,708	8,401,101
Tons Disposed (tpd) (286 days)	32,743	34,148	33,090	31,210	34,668	34,030	32,993	32,296	29,078	29,226	29,374

Cumulative Waste:
2009 to 2022 120,879,763 tons
Average Daily 30,190 tpd (286 days)

Notes:

- 2000 population data: U.S. Census.
- 2030 population forecasts from Chicago Metropolitan Agency for Planning (formerly Northeastern Illinois Planning Commission) and Wisconsin Department of Administration.
- Population for all other years interpolated between interim year forecasts.
- Disposal rates for 2008 and later years based on disposal rates observed in 2008 (see Appendix E.3). Disposal tonnages in 2008 were reduced compared to prior years due to the economic downturn.
- McHenry County Townships in service area include: Algonquin, Dorr, Grafton, Greenwood, Hebron, McHenry, Nunda and Richmond.
- pcd = pounds per capita per day.
- tpy = tons per year.
- tpd = tons per day.

**TABLE E.2-1. WASTE PROJECTIONS
TOTAL WASTE DISPOSAL RATE**

County	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Cook												
Population	5,601,691	5,622,141	5,642,591	5,663,041	5,683,491	5,703,941	5,724,391	5,744,841	5,765,291	5,785,741	5,806,191	5,826,641
Disposal Rate (pcd)	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8
Tons Disposed (tpy)	6,951,699	6,977,077	7,002,455	7,027,834	7,053,212	7,078,591	7,103,969	7,129,348	7,154,726	7,180,105	7,205,483	7,230,861
Lake												
Population	717,671	724,336	731,001	737,666	744,331	750,996	757,661	764,326	770,991	777,656	784,321	790,986
Disposal Rate (pcd)	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8
Tons Disposed (tpy)	890,630	898,901	907,172	915,444	923,715	931,986	940,257	948,529	956,800	965,071	973,342	981,614
McHenry (8 Eastern Townships)												
Population	282,521	287,610	292,699	297,788	302,877	307,966	313,055	318,144	323,233	328,322	333,411	338,500
Disposal Rate (pcd)	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8
Tons Disposed (tpy)	350,609	356,924	363,239	369,555	375,870	382,186	388,501	394,817	401,132	407,448	413,763	420,079
Kenosha (Wisconsin)												
Population	167,430	169,053	170,676	172,299	173,922	175,545	177,168	178,791	180,414	182,037	183,660	185,283
Disposal Rate (pcd)	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2
Tons Disposed (tpy)	250,559	252,988	255,417	257,845	260,274	262,703	265,132	267,561	269,990	272,418	274,847	277,276
Total/Average												
Population	6,769,313	6,803,140	6,836,967	6,870,794	6,904,621	6,938,448	6,972,275	7,006,102	7,039,929	7,073,756	7,107,583	7,141,410
Disposal Rate (pcd) (365 days)	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8
Tons Disposed (tpy)	8,443,497	8,485,890	8,528,283	8,570,678	8,613,071	8,655,466	8,697,859	8,740,255	8,782,648	8,825,042	8,867,435	8,909,830
Tons Disposed (tpd) (286 days)	29,523	29,671	29,819	29,967	30,116	30,264	30,412	30,560	30,709	30,857	31,005	31,153