

SUB-APPENDIX D6-J

LFG Estimates – Expansion Condition

Year	Year # From Opening	Year # From Closure	Annual Tonnage	Cumulative Waste in Place	Total LFG Generation - Expansion Condition			Total LFG Potential Recovery Assuming 80% Collection Efficiency - Expansion Condition		
			tonnes	tonnes	(average ft ³ /min)	(average m ³ /hour)	(average m ³ /second)	(average ft ³ /min)	(average m ³ /hour)	(average m ³ /second)
1965	1		0	0	0	0	0.00	0	0	0.00
1966	2		87,700	87,700	0	0	0.00	0	0	0.00
1967	3		87,700	175,400	53	89	0.02	42	72	0.02
1968	4		87,700	263,100	103	175	0.05	83	140	0.04
1969	5		87,700	350,800	152	258	0.07	121	206	0.06
1970	6		87,700	438,500	198	337	0.09	159	270	0.07
1971	7		87,700	526,200	243	413	0.11	195	331	0.09
1972	8		87,700	613,900	286	486	0.14	229	389	0.11
1973	9		87,700	701,600	328	557	0.15	262	445	0.12
1974	10		87,700	789,300	367	624	0.17	294	499	0.14
1975	11		87,700	877,000	406	689	0.19	325	551	0.15
1976	12		87,700	964,700	442	752	0.21	354	601	0.17
1977	13		87,700	1,052,400	478	812	0.23	382	649	0.18
1978	14		87,700	1,140,100	512	869	0.24	409	695	0.19
1979	15		87,700	1,227,800	544	924	0.26	435	740	0.21
1980	16		87,700	1,315,500	575	978	0.27	460	782	0.22
1981	17		87,700	1,403,200	605	1,029	0.29	484	823	0.23
1982	18		87,700	1,490,900	634	1,078	0.30	507	862	0.24
1983	19		49,000	1,539,900	662	1,125	0.31	530	900	0.25
1984	20		56,000	1,595,900	666	1,131	0.31	532	905	0.25
1985	21		64,000	1,659,900	673	1,143	0.32	538	915	0.25
1986	22		60,000	1,719,900	685	1,164	0.32	548	931	0.26
1987	23		69,000	1,788,900	694	1,179	0.33	555	944	0.26
1988	24		73,000	1,861,900	708	1,203	0.33	567	963	0.27
1989	25		105,000	1,966,900	724	1,231	0.34	579	985	0.27
1990	26		93,000	2,059,900	759	1,289	0.36	607	1,032	0.29
1991	27		83,000	2,142,900	785	1,334	0.37	628	1,067	0.30
1992	28		183,000	2,325,900	804	1,366	0.38	643	1,093	0.30
1993	29		217,000	2,542,900	882	1,499	0.42	706	1,199	0.33
1994	30		217,000	2,759,900	978	1,661	0.46	782	1,329	0.37
1995	31		218,000	2,977,900	1,070	1,817	0.50	856	1,454	0.40
1996	32		216,847	3,194,747	1,159	1,968	0.55	927	1,575	0.44
1997	33		209,921	3,404,668	1,243	2,112	0.59	995	1,690	0.47
1998	34		215,466	3,620,134	1,320	2,243	0.62	1,056	1,795	0.50
1999	35		261,795	3,881,929	1,398	2,375	0.66	1,118	1,900	0.53
2000	36		330,669	4,212,598	1,500	2,549	0.71	1,200	2,039	0.57
2001	37		303,919	4,516,517	1,640	2,786	0.77	1,312	2,229	0.62
2002	38		376,403	4,892,920	1,758	2,987	0.83	1,406	2,389	0.66
2003	39		614,640	5,507,560	1,915	3,253	0.90	1,532	2,602	0.72
2004	40		675,541	6,183,101	2,208	3,752	1.04	1,767	3,002	0.83
2005	41		673,855	6,856,956	2,527	4,294	1.19	2,022	3,435	0.95
2006	42		675,387	7,532,343	2,832	4,812	1.34	2,266	3,850	1.07
2007	43		675,759	8,208,102	3,126	5,312	1.48	2,501	4,249	1.18
2008	44		676,023	8,884,125	3,409	5,792	1.61	2,727	4,634	1.29
2009	45		675,221	9,559,346	3,681	6,254	1.74	2,945	5,003	1.39
2010	46		703,109	10,262,455	3,942	6,697	1.86	3,154	5,358	1.49
2011	47		726,483	10,988,938	4,209	7,152	1.99	3,367	5,721	1.59
2012	48		853,081	11,842,019	4,480	7,612	2.11	3,584	6,089	1.69
2013	49		875,414	12,717,433	4,816	8,183	2.27	3,853	6,546	1.82
2014	50		1,129,963	13,847,396	5,153	8,754	2.43	4,122	7,003	1.95
2015	51		1,231,335	15,078,731	5,628	9,563	2.66	4,503	7,650	2.13
2016	52		1,191,771	16,270,502	6,147	10,443	2.90	4,917	8,354	2.32
2017	53		1,131,791	17,402,293	6,621	11,248	3.12	5,296	8,999	2.50
2018	54		1,185,000	18,587,293	7,040	11,961	3.32	5,632	9,569	2.66
2019	55		1,185,000	19,772,293	7,475	12,700	3.53	5,980	10,160	2.82
2020	56		1,185,000	20,957,293	7,893	13,410	3.72	6,314	10,728	2.98
2021	57		1,185,000	22,142,293	8,294	14,092	3.91	6,635	11,274	3.13
2022	58		1,185,000	23,327,293	8,680	14,747	4.10	6,944	11,798	3.28
2023	59		1,185,000	24,512,293	9,051	15,377	4.27	7,240	12,302	3.42

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2024	60		1,185,000	25,697,293	9,407	15,982	4.44	7,525	12,786	3.55
2025	61		1,185,000	26,882,293	9,749	16,563	4.60	7,799	13,251	3.68
2026	62		1,185,000	28,067,293	10,077	17,122	4.76	8,062	13,697	3.80
2027	63		1,185,000	29,252,293	10,393	17,658	4.91	8,315	14,127	3.92
2028	64		1,185,000	30,437,293	10,697	18,174	5.05	8,557	14,539	4.04
2029	65		1,185,000	31,622,293	10,988	18,669	5.19	8,791	14,935	4.15
2030	66		1,185,000	32,807,293	11,268	19,145	5.32	9,015	15,316	4.25
2031	67		1,185,000	33,992,293	11,537	19,602	5.45	9,230	15,682	4.36
2032	68		1,185,000	35,177,293	11,796	20,041	5.57	9,437	16,033	4.45
2033	69		1,185,000	36,362,293	12,044	20,464	5.68	9,636	16,371	4.55
2034	70		1,185,000	37,547,293	12,283	20,869	5.80	9,826	16,695	4.64
2035	71		1,185,000	38,732,293	12,512	21,259	5.91	10,010	17,007	4.72
2036	72		1,185,000	39,917,293	12,733	21,633	6.01	10,186	17,306	4.81
2037	73		1,185,000	41,102,293	12,944	21,993	6.11	10,356	17,594	4.89
2038	74		1,185,000	42,287,293	13,148	22,338	6.21	10,518	17,871	4.96
2039	75		1,185,000	43,472,293	13,343	22,670	6.30	10,675	18,136	5.04
2040	76		1,185,000	44,657,293	13,531	22,989	6.39	10,825	18,391	5.11
2041	77		1,185,000	45,842,293	13,711	23,296	6.47	10,969	18,637	5.18
2042	78	1	0	45,842,293	13,885	23,590	6.55	11,108	18,872	5.24
2043	79	2	0	45,842,293	13,340	22,665	6.30	10,672	18,132	5.04
2044	80	3	0	45,842,293	12,817	21,777	6.05	10,254	17,421	4.84
2045	81	4	0	45,842,293	12,315	20,923	5.81	9,852	16,738	4.65
2046	82	5	0	45,842,293	11,832	20,102	5.58	9,465	16,082	4.47
2047	83	6	0	45,842,293	11,368	19,314	5.37	9,094	15,451	4.29
2048	84	7	0	45,842,293	10,922	18,557	5.15	8,738	14,845	4.12
2049	85	8	0	45,842,293	10,494	17,829	4.95	8,395	14,263	3.96
2050	86	9	0	45,842,293	10,082	17,130	4.76	8,066	13,704	3.81
2051	87	10	0	45,842,293	9,687	16,458	4.57	7,750	13,167	3.66
2052	88	11	0	45,842,293	9,307	15,813	4.39	7,446	12,650	3.51
2053	89	12	0	45,842,293	8,942	15,193	4.22	7,154	12,154	3.38
2054	90	13	0	45,842,293	8,592	14,597	4.05	6,873	11,678	3.24
2055	91	14	0	45,842,293	8,255	14,025	3.90	6,604	11,220	3.12
2056	92	15	0	45,842,293	7,931	13,475	3.74	6,345	10,780	2.99
2057	93	16	0	45,842,293	7,620	12,947	3.60	6,096	10,357	2.88
2058	94	17	0	45,842,293	7,321	12,439	3.46	5,857	9,951	2.76
2059	95	18	0	45,842,293	7,034	11,951	3.32	5,627	9,561	2.66
2060	96	19	0	45,842,293	6,758	11,483	3.19	5,407	9,186	2.55
2061	97	20	0	45,842,293	6,493	11,032	3.06	5,195	8,826	2.45
2062	98	21	0	45,842,293	6,239	10,600	2.94	4,991	8,480	2.36
2063	99	22	0	45,842,293	5,994	10,184	2.83	4,795	8,147	2.26
2064	100	23	0	45,842,293	5,759	9,785	2.72	4,607	7,828	2.17
2065	101	24	0	45,842,293	5,533	9,401	2.61	4,427	7,521	2.09
2066	102	25	0	45,842,293	5,316	9,033	2.51	4,253	7,226	2.01
2067	103	26	0	45,842,293	5,108	8,678	2.41	4,086	6,943	1.93
2068	104	27	0	45,842,293	4,908	8,338	2.32	3,926	6,670	1.85
2069	105	28	0	45,842,293	4,715	8,011	2.23	3,772	6,409	1.78
2070	106	29	0	45,842,293	4,530	7,697	2.14	3,624	6,158	1.71
2071	107	30	0	45,842,293	4,353	7,395	2.05	3,482	5,916	1.64
2072	108	31	0	45,842,293	4,182	7,105	1.97	3,346	5,684	1.58
2073	109	32	0	45,842,293	4,018	6,827	1.90	3,214	5,461	1.52
2074	110	33	0	45,842,293	3,860	6,559	1.82	3,088	5,247	1.46
2075	111	34	0	45,842,293	3,709	6,302	1.75	2,967	5,041	1.40
2076	112	35	0	45,842,293	3,564	6,055	1.68	2,851	4,844	1.35
2077	113	36	0	45,842,293	3,424	5,817	1.62	2,739	4,654	1.29
2078	114	37	0	45,842,293	3,290	5,589	1.55	2,632	4,471	1.24
2079	115	38	0	45,842,293	3,161	5,370	1.49	2,529	4,296	1.19
2080	116	39	0	45,842,293	3,037	5,159	1.43	2,429	4,128	1.15
2081	117	40	0	45,842,293	2,918	4,957	1.38	2,334	3,966	1.10
2082	118	41	0	45,842,293	2,803	4,763	1.32	2,243	3,810	1.06
2083	119	42	0	45,842,293	2,693	4,576	1.27	2,155	3,661	1.02

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2084	120	43	0	45,842,293	2,588	4,397	1.22	2,070	3,517	0.98
2085	121	44	0	45,842,293	2,486	4,224	1.17	1,989	3,379	0.94
2086	122	45	0	45,842,293	2,389	4,059	1.13	1,911	3,247	0.90
2087	123	46	0	45,842,293	2,295	3,899	1.08	1,836	3,120	0.87
2088	124	47	0	45,842,293	2,205	3,747	1.04	1,764	2,997	0.83
2089	125	48	0	45,842,293	2,119	3,600	1.00	1,695	2,880	0.80
2090	126	49	0	45,842,293	2,036	3,459	0.96	1,628	2,767	0.77
2091	127	50	0	45,842,293	1,956	3,323	0.92	1,565	2,658	0.74
2092	128	51	0	45,842,293	1,879	3,193	0.89	1,503	2,554	0.71
2093	129	52	0	45,842,293	1,805	3,067	0.85	1,444	2,454	0.68
2094	130	53	0	45,842,293	1,735	2,947	0.82	1,388	2,358	0.65
2095	131	54	0	45,842,293	1,667	2,832	0.79	1,333	2,265	0.63
2096	132	55	0	45,842,293	1,601	2,721	0.76	1,281	2,176	0.60
2097	133	56	0	45,842,293	1,538	2,614	0.73	1,231	2,091	0.58
2098	134	57	0	45,842,293	1,478	2,511	0.70	1,183	2,009	0.56
2099	135	58	0	45,842,293	1,420	2,413	0.67	1,136	1,930	0.54
2100	136	59	0	45,842,293	1,365	2,318	0.64	1,092	1,855	0.52
2101	137	60	0	45,842,293	1,311	2,227	0.62	1,049	1,782	0.49