

Monitoring Report #2010-2
For the Greater New Bedford LFG Utilization Project
Dartmouth, Massachusetts
For Verification Period July 1, 2010 through December 31, 2010

April 19, 2011

CommonWealth

Resource Management Corporation

January 31, 2011

Iris Caldwell
Environmental Engineer
First Environment, Inc.
Chicago Civic Opera Building
20 N. Wacker Dr., Suite 1545

Re: Greater New Bedford LFG Utilization Project Emissions Reductions Verification
Verification Processes: Voluntary Carbon Standard and American Carbon
Registry: For the Periods: July 1, 2010 through December 31, 2010

Dear Iris,

On behalf of our subsidiary CommonWealth New Bedford Energy LLC, we are hereby submitting for your review the information required to perform a Verification of documented methane emissions reductions achieved from July 1, 2010 through December 31, 2010 (the GHG Reductions or Emission Reductions) at the Greater New Bedford LFG Utilization Project (the Project) in Dartmouth, Massachusetts.

Please perform the Verification and prepare a Verification Report required for verification process under the Voluntary Carbon Standard and the American Carbon Registry. Specifically, we are asking you to Verify our documented claims that the emission reductions generated by the Project during second half of 2010 are equivalent to 47,744 metric tons of Voluntary Carbon Units (VCUs) in accordance with verification protocol under the Voluntary Carbon Standard, and 53,291 metric tons of carbon offsets in accordance with verification protocol under the American Carbon Registry.

In support of claims under the Voluntary Carbon Standard, attached for your review are the following:

1. Exhibit 1 summarizes the emission reductions from methane oxidation during energy generation and flaring from July 1, 2010 through December 31, 2010.
2. Exhibit 2 provides LFG totalizer readings, and methane content readings for the periods from July 1, 2010 through December 31, 2010, and calculations using the verification protocols under the VCS to obtain emission reductions from methane oxidation during energy generation.

3. Exhibit 3 provides LFG totalizer readings, and methane content readings for the periods from July 1, 2010 through December 31, 2010, and calculations using the verification protocols under the VCS to obtain emission reductions from methane oxidation during flaring.
4. Exhibit 4 provides the key factors, equations, and calculation of VCUs in accordance with the approved consolidated baseline methodology ACM0001/Version 09.1 "Consolidated baseline and monitoring methodology for the landfill gas project activities" promulgated by the United Nations Framework Convention of Climate Change (UNFCCC) under the Clean Development Mechanism (CDM).

In support of claims under the American Carbon Registry Standard, attached for your review are the following:

1. Exhibit 5 summarizes the emission reductions from methane oxidation during energy generation and flaring from July 1, 2010 through December 31, 2010.
2. Exhibit 6 provides LFG totalizer readings, and methane content readings for the periods from July 1, 2010 through December 31, 2010, and calculations using the verification protocols under the ACR to obtain emission reductions from methane oxidation during energy generation.
3. Exhibit 7 provides LFG totalizer readings, and methane content readings for the periods from July 1, 2010 through December 31, 2010, and calculations using the verification protocols under the ACR to obtain emission reductions from methane oxidation during flaring.

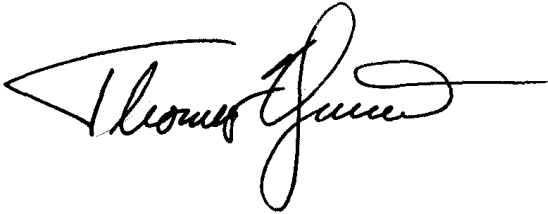
In support of claims under both the Voluntary Carbon Standard and the American Carbon Registry Standard, attached for your review are the following:

1. Exhibit 8 is a compilation of the field data logs recording the total landfill gas volumes and methane content readings for the identified reporting periods.
2. Exhibit 9 documents the calibration of the LFG flow rate and provides a compilation of methane content calibration reports for the California Analytical Analyzer for the periods.
3. Exhibit 10 provides documents requested by First Environment on January 25, 2011 including a
 - a. Copy of most recent regulatory inspection
 - b. Copy of current landfill operating permit and air permits associated with the project (flare and engines)
 - c. Attestation that provides evidence that credits are not being verified under the VCS are not used in another GHG program other than VCS

Hourly data for the months of July 1, 2010 through December 31, 2010 are provided in a Microsoft Excel spreadsheets titled "Hourly Reports for 2010 July - Dec".

Please call me with any questions at 508-339-3074. Thank you.

Sincerely,

A handwritten signature in black ink, appearing to read "Thomas Yeransian", with a long horizontal flourish extending to the right.

Thomas Yeransian
Principal

EXHIBIT 1				
CommonWealth New Bedford Energy LLC				
Greater New Bedford LFG Utilization Project				
Dartmouth, Massachusetts				
Calculation of Verified Emission Reduction Credits in CO2 equivalent tons				
in accordance with the Project Methodology				
Key parameters used in calculations				
Parameter				<u>VCS</u>
Methane oxidation efficiency electricity generation				100.0%
Methane oxidation efficiency LFG flaring				50.0%
Methane, molecular weight				16
Pounds per metric ton				2,205
Gas constant (scf per lb-mole)				385
Global Warming Potential (GWP) methane				21
Summary results				
	Unit			
Electricity generation				
Start date				1-Jul-10
End date				31-Dec-10
Methane delivered	scf			134,777,652
Emission Reductions	metric tons CO2e			53,344
Flaring				
Start date				1-Jul-10
End date				31-Dec-10
Methane delivered	scf			-
Emission Reductions	metric tons CO2e			-
Subtotal				
Methane delivered	scf			134,777,652
Emission Reductions	metric tons CO2e			53,344
District Initial System				
Methane delivered	scf			14,148,837
Emission Reductions	metric tons CO2e			5,600
Total				
Emission Reductions eligible under VCS program	metric tons CO2e			47,744

EXHIBIT 2														
CommonWealth New Bedford Energy LLC														
Emission Reductions from methane oxidation during energy generation														
Physical constants:														
Methane, molecular weight (lb per lb-mole)				16					Calculation of Verified Emission Reduction in CO2 equivalent tons per the following:					
Pounds to metric ton				2,205					Verification Process: UNFCCC's CDM methodology ACM0001 (Version 9.1)					
Gas constant, scf per lb-mole				385					Standard of Verification: Voluntary Carbon Standard 2007.1					
Begin period - date	End period - date	Totalizer reading end period	Totalizer reading start period	Total in period	Methane delivered to engines	Methane delivered cumulative	Methane delivered in the period	Methane delivered in the period	Methane oxidation efficiency	MD electricity, Mass methane destroyed in the period	MD electricity, Mass methane destroyed cumulative	Global warming potential methane	Emission reduction	Emission reduction cumulative
mm/dd/yy	mm/dd/yy	MMBtu HHV	MMBtu HHV	MMBtu HHV	scf	scf	metric tons	metric tons	%	metric tons	metric tons	tons CO2 equivalent per ton methane	CO2 equivalent metric tons	CO2 equivalent metric tons
1-Jul-10														
1-Jul-10	31-Jul-10	22,281	-	22,281	22,016,798	22,016,798	415	415	100.0%	415	415	21	8,714	8,714
1-Aug-10	31-Aug-10	44,958	22,281	22,677	22,408,103	44,424,901	422	837	100.0%	422	837	21	8,869	17,583
1-Sep-10	30-Sep-10	67,252	44,958	22,294	22,029,858	66,454,759	415	1,252	100.0%	415	1,252	21	8,719	26,302
1-Oct-10	31-Oct-10	90,248	67,252	22,996	22,722,893	89,177,652	428	1,681	100.0%	428	1,681	21	8,994	35,296
1-Nov-10	30-Nov-10	112,627	90,248	22,380	22,114,328	111,291,980	417	2,098	100.0%	417	2,098	21	8,753	44,049
1-Dec-10	31-Dec-10	136,395	112,627	23,767	23,485,672	134,777,652	443	2,540	100.0%	443	2,540	21	9,296	53,344

EXHIBIT 3																	
CommonWealth New Bedford Energy LLC																	
Calculation of Verified Emission Reduction in CO2 equivalent tons per the Project Methodology																	
Emission Reductions from methane oxidation from LFG flaring																	
Physical constants:																	
Methane, molecular weight (lb per lb-mole)				16													
Pounds to metric ton				2,205					Calculation of Verified Emission Reduction in CO2 equivalent tons per the following								
Gas constant, scf per lb-mole				385					Verification Process: UNFCCC's CDM methodology ACM0001 (Version 9.1)								
									Standard of Verification: Voluntary Carbon Standard 2007.1								
Begin period - date	End period - date	Totalizer reading end period	Totalizer reading start period	Total in period	Methane delivered to flare	Methane delivered cumulative	Methane delivered in the period	Methane delivered cumulative	Methane oxidation efficiency	MD flare, Mass methane destroyed in the period	MD flare, Mass methane destroyed cumulative	Global warming potential methane	Emission reduction	Emission reduction cumulative	PE flare, Project emissions (uncontrolled emissions to atmosphere from flare)	PE flare, Project emissions cumulative (uncontrolled emissions to atmosphere from flare)	
mm/dd/yy	mm/dd/yy	MMBtu HHV	MMBtu HHV	MMBtu HHV	scf	scf	metric tons	metric tons	%	metric tons	metric tons	tons CO2 equivalent per ton methane	CO2 equivalent metric tons	CO2 equivalent metric tons	CO2 equivalent metric tons	CO2 equivalent metric tons	
1-Jul-10																	
1-Jul-10	31-Jul-10	-	-	0	-	-	0	0	50%	-	-	21	-	-	-	-	
1-Aug-10	31-Aug-10	-	-	0	-	-	0	0	50%	-	-	21	-	-	-	-	
1-Sep-10	30-Sep-10	-	-	0	-	-	0	0	50%	-	-	21	-	-	-	-	
1-Oct-10	31-Oct-10	-	-	0	-	-	0	0	50%	-	-	21	-	-	-	-	
1-Nov-10	30-Nov-10	-	-	0	-	-	0	0	50%	-	-	21	-	-	-	-	
1-Dec-10	31-Dec-10	-	-	0	-	-	0	0	50%	-	-	21	-	-	-	-	

EXHIBIT 4

Emission Reductions from the Greater New Bedford LFG Utilization Project using ACM0001 (Version 9.1) under the VCS Program

Key factors to determine baseline and emission reductions (1):								
Methane oxidation efficiency for electric generation:								100%
Methane oxidation efficiency for flare:								50%
GWP methane, Global warming potential for methane:								21
Quantity methane collected and controlled to make electricity								100%
Quantity methane collected and controlled by flare								0%
EL lfg	Indirect electricity required by baseline activity							0
ET lfg	Indirect thermal energy required by baseline activity							0
PE	Project emissions, which are indirect emissions from Project Activity							0
MD project	Methane destroyed by Project Activity							See below
MD bl	Methane destroyed in the District Initial System.							See below
MD flared	Methane destroyed by flaring = methane delivered to flare - methane emitted to atmosphere							See below
MD electricity	Methane destroyed by generation of electricity							See below
BE	Baseline emissions = (MD project-MD bl) * GWP methane + indirect emissions of baseline activity							See below
ER	Emission reductions, which is equal to BE - PE							See below
	Methane collected and delivered to engines and flare,	MD electricity,	MD flared,	MD project,	MD bl (2),	(MD project MD bl)	BE,	ER,
Year	methane metric tons	methane metric tons	methane metric tons	methane metric tons	methane metric tons	methane metric tons	CO2e metric tons	CO2e metric tons
2nd Half 2010	2,540	2,540	-	2,540	267	2,274	47,744	47,744
(1) Key factors and equations are from UNFCCC CDM document ACM0001/Version 09.1.								
(2) Calculation of MD bl in accordance with validation report shown below.								
Year	Methane delivered to flare from District Initial System, metric tons	MD bl, Methane destroyed in the District Initial System, metric tons						
2001	3,548	1,774						
2002	3,104	1,552						
2003	2,716	1,358						
2004	2,377	1,188						
2005	2,080	1,040						
2006	1,820	910						
2007	1,592	796						
2008	1,393	697						
2009	1,219	610						
2010	1,067	533						
2011	933	467						
2012	817	408						
2013	715	357						
2014	625	313						
2015	547	274						
2016	479	239						
Annual rate of decline =	0.125							

EXHIBIT 5				
CommonWealth New Bedford Energy LLC				
Greater New Bedford LFG Utilization Project				
Dartmouth, Massachusetts				
Calculation of Verified Emission Reduction Credits in CO2 equivalent tons				
in accordance with the Project Methodology				
Key parameters used in calculations				
Parameter			ACR	
Methane oxidation efficiency electricity generation			99.9%	
Methane oxidation efficiency LFG flaring			98.0%	
Methane, molecular weight			16	
Pounds per metric ton			2,205	
Gas constant (scf per lb-mole)			385	
Global Warming Potential (GWP) methane			21	
Summary results				
	Unit			
Electricity generation				
Start date			1-Jul-10	
End date			31-Dec-10	
Methane delivered	scf		134,777,652	
Emission Reductions	metric tons CO2e		53,291	
Flaring				
Start date			1-Jul-10	
End date			31-Dec-10	
Methane delivered	scf		-	
Emission Reductions	metric tons CO2e		-	
Total				
Methane delivered	scf		134,777,652	
Emission Reductions	metric tons CO2e		53,291	
Baseline	metric tons CO2e		53,344	
Emissions	metric tons CO2e		53	

EXHIBIT 6																		
CommonWealth New Bedford Energy LLC																		
Emission Reductions from methane oxidation duringenergy generation																		
Physical constants:																		
Methane, molecular weight (lb per lb-mole)				16					Calculation of Verified Emission Reduction in CO2 equivalent tons per the following:									
Pounds to metric ton				2,205					Verification Process: ACR approved project-specific Monitoring, Reporting and Verification									
Gas constant, scf per lb-mole				385					Protocol (MRV CNBE 2005 12) December 2005.									
Standard of Verification: American Carbon Registry Standard																		
Begin period - date	End period - date	Totalizer reading end period	Totalizer reading start period	Total in period	Methane delivered to engines	Methane delivered cumulative	Methane delivered in the period	Methane delivered in the period	Methane oxidation efficiency	Mass methane destroyed in the period	Mass methane destroyed cumulative	Global warming potential methane	Emission reduction	Emission reduction cumulative	Baseline cumulative	Emissions cumulative		
mm/dd/yy	mm/dd/yy	MMBtu HHV	MMBtu HHV	MMBtu HHV	scf	scf	metric tons	metric tons	%	metric tons	metric tons	tons CO2 equivalent per ton methane	CO2 equivalent metric tons	CO2 equivalent metric tons	CO2 equivalent metric tons	CO2 equivalent metric tons		
1-Jul-10																		
1-Jul-10	31-Jul-10	22,281	-	22,281	22,016,798	22,016,798	415	415	99.9%	415	415	21	8,705	8,705	8,714	9		
1-Aug-10	31-Aug-10	44,958	22,281	22,677	22,408,103	44,424,901	422	837	99.9%	422	836	21	8,860	17,566	17,583	18		
1-Sep-10	30-Sep-10	67,252	44,958	22,294	22,029,858	66,454,759	415	1,252	99.9%	415	1,251	21	8,711	26,276	26,302	26		
1-Oct-10	31-Oct-10	90,248	67,252	22,996	22,722,893	89,177,652	428	1,681	99.9%	428	1,679	21	8,985	35,261	35,296	35		
1-Nov-10	30-Nov-10	112,627	90,248	22,380	22,114,328	111,291,980	417	2,098	99.9%	416	2,095	21	8,744	44,005	44,049	44		
1-Dec-10	31-Dec-10	136,395	112,627	23,767	23,485,672	134,777,652	443	2,540	99.9%	442	2,538	21	9,286	53,291	53,344	53		

EXHIBIT 7																
CommonWealth New Bedford Energy LLC																
Calculation of Verified Emission Reduction in CO2 equivalent tons per the Project Methodology																
Emission Reductions from methane oxidation from LFG flaring																
Physical constants:																
Methane, molecular weight (lb per lb-mole)16																
Pounds to metric ton2,205																
Gas constant, scf per lb-mole385																
Calculation of Verified Emission Reduction in CO2 equivalent tons per the following:																
Verification Process: ACR approved project-specific Monitoring, Reporting and Verification																
Protocol (MRV CNBE 2005 12) December 2005.																
Standard of Verification: American Carbon Registry Standard																
Begin period - date	End period - date	Totalizer reading end period	Totalizer reading start period	Total in period	Methane delivered to flare	Methane delivered cumulative	Methane delivered in the period	Methane delivered cumulative	Methane oxidation efficiency	Mass methane destroyed in the period	Mass methane destroyed cumulative	Global warming potential methane	Emission reduction	Emission reduction cumulative	Baseline cumulative	Emissions cumulative
mm/dd/yy	mm/dd/yy	MMBtu HHV	MMBtu HHV	MMBtu HHV	scf	scf	metric tons	metric tons	%	metric tons	metric tons	tons CO2 equivalent per ton methane	CO2 equivalent metric tons	CO2 equivalent metric tons	CO2 equivalent metric tons	CO2 equivalent metric tons
1-Jul-10																
1-Jul-10	31-Jul-10	-	-	0	-	-	0	0	98%	-	-	21	-	-	-	-
1-Aug-10	31-Aug-10	-	-	0	-	-	0	0	98%	-	-	21	-	-	-	-
1-Sep-10	30-Sep-10	-	-	0	-	-	0	0	98%	-	-	21	-	-	-	-
1-Oct-10	31-Oct-10	-	-	0	-	-	0	0	98%	-	-	21	-	-	-	-
1-Nov-10	30-Nov-10	-	-	0	-	-	0	0	98%	-	-	21	-	-	-	-
1-Dec-10	31-Dec-10	-	-	0	-	-	0	0	98%	-	-	21	-	-	-	-

Exhibit 8

Compilation of the field data logs recording the total landfill gas volumes and methane content readings for the identified reporting periods.

JULY 2010																
CNBE Daily Reports Summary Data																
	Thursday 7/1/2010	Friday 7/2/2010	Saturday 7/3/2010	Sunday 7/4/2010	Monday 7/5/2010	Tuesday 7/6/2010	Wednesday 7/7/2010	Thursday 7/8/2010	Friday 7/9/2010	Saturday 7/10/2010	Sunday 7/11/2010	Monday 7/12/2010	Tuesday 7/13/2010	Wednesday 7/14/2010	Thursday 7/15/2010	
Landfill Gas Flow to the Engines (KSCF)	1,442	1,501	1,537	1,528	1,549	1,525	1,528	1,474	1,499	1,462	1,493	1,488	1,486	1,444	1,432	
Landfill Gas Flow to the Engines (MMBTU HHV)	679	732	734	723	723	703	707	687	712	706	721	706	706	696	704	
Landfill Gas Flow to the Flare (KSCF)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Landfill Gas Flow to the Flare (MMBTU HHV)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Landfill Gas Total Flow (KSCF)	1,442	1,501	1,537	1,528	1,549	1,525	1,528	1,474	1,499	1,462	1,493	1,488	1,486	1,444	1,432	
Landfill Gas Total Flow (MMBTU HHV)	679	732	734	723	723	703	707	687	712	706	721	706	706	696	704	
Average Methane Content (%)	46.5	48.2	47.2	46.8	46.1	45.5	45.7	46.0	46.9	47.7	47.7	46.9	47.0	47.6	48.6	
Engine 1 Hours	24	24	24	24	24	24	24	24	24	24	24	24	24	24	20	
Engine 2 Hours	13	24	24	24	24	24	24	24	24	24	24	24	24	24	24	
Engine 3 Hours	11	14	24	24	24	24	24	24	24	22	24	24	24	24	23	
Engine 4 Hours	24	15	-	-	-	-	-	-	-	-	-	-	-	-	4	
Generator 1 Power Output (kWhr)	17,557	19,497	19,953	20,106	19,831	19,225	19,060	18,249	18,996	19,095	18,967	19,067	19,074	18,894	15,620	
Generator 2 Power Output (kWhr)	9,847	18,815	19,512	19,585	19,656	18,668	18,674	17,959	18,100	17,967	18,107	17,143	16,732	16,682	17,888	
Generator 3 Power Output (kWhr)	8,797	10,379	20,444	20,509	20,501	19,518	19,421	18,511	19,282	17,585	19,353	19,407	19,401	18,235	18,889	
Generator 4 Power Output (kWhr)	18,597	10,496	-	-	-	-	-	-	-	-	-	-	-	79	2,583	
Gross Power Output (kWhr)	55,242	59,595	60,054	60,273	60,085	57,684	57,788	55,331	57,017	55,235	56,685	55,943	55,600	54,431	55,423	
Net Power Output (kWhr)	53,586	57,809	58,154	58,298	58,030	55,691	55,835	53,462	55,104	53,415	54,855	54,090	53,745	52,659	53,668	
Power Sold as metered by NStar, (kWhr)	54,236	57,811	58,839	59,248	58,750	56,252	55,404	54,907	55,004	53,286	55,576	54,643	54,160	53,280	54,271	
Offgrid RECs (kWhr)	1,656	1,786	1,900	1,975	2,055	1,993	1,953	1,869	1,913	1,820	1,830	1,853	1,855	1,772	1,755	
Calculated Performance Results																
Daily																
Power output (kW average when running)																
Generator 1	732	812	831	838	826	801	794	760	792	796	790	794	795	787	781	
Generator 2	757	784	813	816	819	778	778	748	754	749	754	714	697	695	745	
Generator 3	800	741	852	855	854	813	809	771	803	799	806	809	808	760	821	
Generator 4	775	700	-	-	-	-	-	-	-	-	-	-	-	-	646	
Power output (kW average over 24-hrs)																
Facility Gross	2,302	2,483	2,502	2,511	2,504	2,404	2,408	2,305	2,376	2,301	2,362	2,331	2,317	2,268	2,309	
Facility Net	2,233	2,409	2,423	2,429	2,418	2,320	2,326	2,228	2,296	2,226	2,286	2,254	2,239	2,194	2,236	
In-plant load	69	74	79	82	86	83	81	78	80	76	76	77	77	74	73	
Daily availability factor																
Facility	75%	80%	75%	75%	75%	75%	75%	75%	75%	73%	75%	75%	75%	75%	74%	
Engine 1	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	83%	
Engine 2	54%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	
Engine 3	46%	58%	100%	100%	100%	100%	100%	100%	100%	92%	100%	100%	100%	100%	96%	
Engine 4	100%	63%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	17%	
Daily capacity factor																
Facility	70%	75%	76%	76%	76%	73%	73%	70%	72%	70%	72%	71%	70%	69%	70%	
Engine 1	89%	98%	101%	102%	100%	97%	96%	92%	96%	96%	96%	96%	96%	95%	95%	
Engine 2	92%	95%	99%	99%	99%	94%	94%	91%	91%	91%	91%	87%	85%	84%	90%	
Engine 3	97%	90%	103%	104%	104%	99%	98%	93%	97%	97%	98%	98%	98%	92%	100%	
Engine 4	94%	85%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	78%	
Cumulative by engine																
Engine operating run hours in the month																
Max Cumulative Available, hours	24	48	72	96	120	144	168	192	216	240	264	288	312	336	360	
Engine 1	24	48	72	96	120	144	168	192	216	240	264	288	312	336	356	
Engine 2	13	37	61	85	109	133	157	181	205	229	253	277	301	325	349	
Engine 3	11	25	49	73	97	121	145	169	193	215	239	263	287	311	334	
Engine 4	24	39	39	39	39	39	39	39	39	39	39	39	39	39	43	
Engine operating run hours total from 0 hours																
Engine 1	39,328	39,352	39,376	39,400	39,424	39,448	39,472	39,496	39,520	39,544	39,568	39,592	39,616	39,640	39,660	
Engine 2	39,269	39,293	39,317	39,341	39,365	39,389	39,413	39,437	39,461	39,485	39,509	39,533	39,557	39,581	39,605	
Engine 3	38,931	38,945	38,969	38,993	39,017	39,041	39,065	39,089	39,113	39,135	39,159	39,183	39,207	39,231	39,254	
Engine 4	38,203	38,218	38,218	38,218	38,218	38,218	38,218	38,218	38,218	38,218	38,218	38,218	38,218	38,218	38,222	
Cumulative availability, %																
Engine 1	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	99%	
Engine 2	54%	77%	85%	89%	91%	92%	93%	94%	95%	95%	96%	96%	96%	97%	97%	
Engine 3	46%	52%	68%	76%	81%	84%	86%	88%	89%	90%	91%	91%	92%	93%	93%	
Engine 4	100%	81%	54%	41%	33%	27%	23%	20%	18%	16%	15%	14%	13%	12%	12%	
Engine cumulative gross output, kWhr																
Max cumulative capacity one engine	825	1,650	2,475	3,300	4,125	4,950	5,775	6,600	7,425	8,250	9,075	9,900	10,725	11,550	12,375	
Engine 1	732	1,544	2,375	3,213	4,039	4,840	5,635	6,395	7,186	7,982	8,772	9,567	10,362	11,149	11,930	
Engine 2	757	1,541	2,354	3,170	3,989	4,767	5,545	6,294	7,048	7,796	8,551	9,265	9,962	10,657	11,403	
Engine 3	800	1,541	2,393	3,247	4,102	4,915	5,724	6,495	7,299	8,098	8,905	9,713	10,522	11,281	12,103	
Engine 4	775	1,475	1,475	1,475	1,475	1,475	1,475	1,475	1,475	1,475	1,475	1,475	1,475	1,475	2,120	
Cumulative capacity factor, %																
Engine 1	89%	94%	96%	97%	98%	98%	98%	97%	97%	97%	97%	97%	97%	97%	96%	
Engine 2	92%	93%	95%	96%	97%	96%	96%	95%	95%	95%	94%	94%	93%	92%	92%	
Engine 3	97%	93%	97%	98%	99%	99%	99%	98%	98%	98%	98%	98%	98%	98%	98%	
Engine 4	94%	89%	60%	45%	36%	30%	26%	22%	20%	18%	16%	15%	14%	13%	17%	

	Thursday 7/1/2010	Friday 7/2/2010	Saturday 7/3/2010	Sunday 7/4/2010	Monday 7/5/2010	Tuesday 7/6/2010	Wednesday 7/7/2010	Thursday 7/8/2010	Friday 7/9/2010	Saturday 7/10/2010	Sunday 7/11/2010	Monday 7/12/2010	Tuesday 7/13/2010	Wednesday 7/14/2010	Thursday 7/15/2010
Cumulative by Facility in month															
Max cumulative available engine run hours	96	192	288	384	480	576	672	768	864	960	1,056	1,152	1,248	1,344	1,440
Actual cumulative engine run hours	72	149	221	293	365	437	509	581	653	723	795	867	939	1,011	1,082
Cumulative Availability, %	75.0%	77.6%	76.7%	76.3%	76.0%	75.9%	75.7%	75.7%	75.6%	75.3%	75.3%	75.3%	75.2%	75.2%	75.1%
Max cumulative gross output, kWhr	79,200	158,400	237,600	316,800	396,000	475,200	554,400	633,600	712,800	792,000	871,200	950,400	1,029,600	1,108,800	1,188,000
Actual cumulative gross output, kWhr	55,242	114,837	174,891	235,164	295,249	352,933	410,721	466,052	523,069	578,304	634,989	690,932	746,532	800,963	856,386
Cumulative Capacity Factor	69.8%	72.5%	73.6%	74.2%	74.6%	74.3%	74.1%	73.6%	73.4%	73.0%	72.9%	72.7%	72.5%	72.2%	72.1%
Cumulative fuel input, MMBtu HHV	679	1,411	2,145	2,868	3,591	4,294	5,001	5,688	6,400	7,106	7,827	8,533	9,239	9,935	10,639
Cumulative gross output, kWhr	55,242	114,837	174,891	235,164	295,249	352,933	410,721	466,052	523,069	578,304	634,989	690,932	746,532	800,963	856,386
Heat Rate															
Daily heat rate, Btu/kWe gross LHV	11,065	11,057	11,003	10,798	10,832	10,971	11,013	11,177	11,241	11,506	11,450	11,360	11,431	11,511	11,435
Daily heat rate, Btu/kWe gross HHV	12,291	12,283	12,222	11,995	12,033	12,187	12,234	12,416	12,488	12,782	12,719	12,620	12,698	12,787	12,702
Cumulative heat rate, Btu/kWe gross LHV	11,065	11,061	11,041	10,979	10,949	10,952	10,961	10,987	11,014	11,061	11,096	11,117	11,141	11,166	11,183
Cumulative heat rate, Btu/kWe gross HHV	12,291	12,287	12,265	12,196	12,163	12,167	12,176	12,205	12,235	12,288	12,326	12,350	12,376	12,404	12,423
Cumulative by Facility starting Calendar Year															
Max cumulative available engine run hours	17,280	17,376	17,472	17,568	17,664	17,760	17,856	17,952	18,048	18,144	18,240	18,336	18,432	18,528	18,624
Actual cumulative engine run hours	15,888	15,965	16,037	16,109	16,181	16,253	16,325	16,397	16,469	16,539	16,611	16,683	16,755	16,827	16,898
Cumulative Availability, %	91.9%	91.9%	91.8%	91.7%	91.6%	91.5%	91.4%	91.3%	91.3%	91.2%	91.1%	91.0%	90.9%	90.8%	90.7%
Max cumulative gross output, kWhr	14,256,000	14,335,200	14,414,400	14,493,600	14,572,800	14,652,000	14,731,200	14,810,400	14,889,600	14,968,800	15,048,000	15,127,200	15,206,400	15,285,600	15,364,800
Actual cumulative gross output, kWhr	10,830,442	10,890,037	10,950,091	11,010,364	11,070,449	11,128,133	11,185,921	11,241,252	11,298,269	11,353,504	11,410,189	11,466,132	11,521,732	11,576,163	11,631,586
Cumulative Capacity Factor	76.0%	76.0%	76.0%	76.0%	76.0%	75.9%	75.9%	75.9%	75.9%	75.8%	75.8%	75.8%	75.8%	75.7%	75.7%
Cumulative fuel input, MMBtu HHV	147,246	147,978	148,712	149,435	150,158	150,861	151,568	152,255	152,967	153,673	154,394	155,100	155,806	156,502	157,206
Cumulative gross output, kWhr	10,830,442	10,890,037	10,950,091	11,010,364	11,070,449	11,128,133	11,185,921	11,241,252	11,298,269	11,353,504	11,410,189	11,466,132	11,521,732	11,576,163	11,631,586
Cumulative heat rate, Btu/kWe gross LHV	12,239	12,232	12,225	12,218	12,210	12,204	12,198	12,193	12,188	12,184	12,181	12,177	12,173	12,170	12,167
Cumulative heat rate, Btu/kWe gross HHV	13,596	13,588	13,581	13,572	13,564	13,557	13,550	13,544	13,539	13,535	13,531	13,527	13,523	13,519	13,515
Service															
Engine 1															
Engine 2															
Engine 3															
Engine 4															
Oil - oil and filter change	NStar outage														
Service - plugs, air filter, valve inspection and adjustment							Paul to rebalance wellfield	Paul closed 4 wells to recover	Open 4 wells recovered nicely.						Found broken cor Fabricating ne cor New well pipir
NSTAR Power Reports															
Date	7/1/2010	7/2/2010	7/3/2010	7/4/2010	7/5/2010	7/6/2010	7/7/2010	7/8/2010	7/9/2010	7/10/2010	7/11/2010	7/12/2010	7/13/2010	7/14/2010	7/15/2010
Hour															
1	2,456	2,331	2,450	2,431	2,447	2,422	2,297	2,308	2,296	2,292	2,306	2,315	2,263	2,259	2,304
2	2,451	2,439	2,445	2,431	2,443	2,425	2,293	2,309	2,296	2,295	2,313	2,316	2,266	2,260	2,304
3	2,453	2,436	2,456	2,434	2,441	2,417	2,292	2,309	2,297	2,295	2,314	2,316	2,267	2,261	2,302
4	2,458	2,439	2,445	2,454	2,441	2,418	2,292	2,310	2,296	2,295	2,316	2,317	2,267	2,261	2,304
5	2,465	2,439	2,442	2,466	2,441	2,419	2,289	2,308	2,297	2,294	2,317	2,317	2,267	2,260	2,304
6	2,462	2,441	2,453	2,471	2,438	2,416	2,290	2,308	2,300	2,295	2,317	2,317	2,266	2,259	2,305
7	2,463	2,441	2,457	2,467	2,443	2,422	2,289	2,310	2,303	2,294	2,318	2,317	2,265	2,260	2,303
8	2,464	2,440	2,468	2,473	2,455	2,435	2,291	2,301	2,301	2,295	2,318	2,275	2,265	2,259	2,302
9	2,457	2,439	2,475	2,477	2,461	2,326	2,297	2,292	2,294	2,297	2,319	2,242	2,257	2,257	1,918
10	2,456	2,441	2,467	2,478	2,462	2,308	2,357	2,293	2,217	2,298	2,320	2,240	2,239	2,254	1,506
11	1,326	2,514	2,454	2,479	2,464	2,309	2,370	2,300	2,288	2,294	2,317	2,240	2,194	2,138	2,413
12	1,164	2,482	2,441	2,484	2,467	2,304	2,338	2,243	2,294	2,298	2,319	2,262	2,249	2,194	2,384
13	2,297	2,445	2,438	2,481	2,465	2,309	2,325	2,223	2,297	2,297	2,317	2,264	2,255	1,692	2,367
14	2,433	1,884	2,439	2,478	2,462	2,308	2,302	2,218	2,299	2,298	2,316	2,264	2,255	2,189	1,930
15	2,436	2,104	2,446	2,478	2,457	2,299	2,303	2,257	2,298	2,298	2,318	2,264	2,258	1,843	2,344
16	2,439	2,453	2,441	2,481	2,460	2,297	2,307	2,295	2,299	2,295	2,318	2,267	2,259	2,218	2,330
17	2,440	2,446	2,457	2,489	2,464	2,298	2,311	2,296	2,298	1,561	2,316	2,266	2,259	2,301	2,331
18	2,438	2,459	2,455	2,488	2,457	2,302	2,312	2,293	2,297	1,500	2,315	2,266	2,259	2,303	2,327
19	2,438	2,466	2,470	2,487	2,446	2,308	2,309	2,285	2,297	2,020	2,313	2,265	2,257	2,303	2,330
20	2,434	2,463	2,470	2,476	2,441	2,313	2,310	2,281	2,294	2,301	2,313	2,264	2,261	2,303	2,333
21	2,327	2,456	2,456	2,474	2,435	2,309	2,308	2,288	2,289	2,294	2,313	2,262	2,259	2,302	2,332
22	1,598	2,453	2,441	2,462	2,426	2,298	2,307	2,291	2,284	2,299	2,313	2,263	2,259	2,301	2,329
23	1,887	2,450	2,439	2,457	2,420	2,295	2,307	2,294	2,284	2,291	2,314	2,261	2,257	2,301	2,331
24	1,994	2,450	2,434	2,452	2,414	2,295	2,308	2,295	2,289	2,290	2,316	2,263	2,257	2,302	2,338
TOTAL	54,236	57,811	58,839	59,248	58,750	56,252	55,404	54,907	55,004	53,286	55,576	54,643	54,160	53,280	54,271
Cumulative Output Sold, kWhr	54,236	112,047	170,886	230,134	288,884	345,136	400,540	455,447	510,451	563,737	619,313	673,956	728,116	781,396	835,667
Transformer and line efficiency	101.2%	100.0%	101.2%	101.6%	101.2%	101.0%	99.2%	102.7%	99.8%	99.8%	101.3%	101.0%	100.8%	101.2%	101.1%
Hourly average	2,260	2,409	2,452	2,469	2,448	2,344	2,309	2,288	2,292	2,220	2,316	2,277	2,257	2,220	2,261

JULY 2010																	
CNBE Daily Reports Summary Data																	
	Friday 7/16/2010	Saturday 7/17/2010	Sunday 7/18/2010	Monday 7/19/2010	Tuesday 7/20/2010	Wednesday 7/21/2010	Thursday 7/22/2010	Friday 7/23/2010	Saturday 7/24/2010	Sunday 7/25/2010	Monday 7/26/2010	Tuesday 7/27/2010	Wednesday 7/28/2010	Thursday 7/29/2010	Friday 7/30/2010	Saturday 7/31/2010	TOTAL
Landfill Gas Flow to the Engines (KSCF)	1,464	1,446	1,435	1,415	1,441	1,419	1,378	1,391	1,368	1,356	1,368	1,348	1,354	1,269	1,359	1,420	44,617
Landfill Gas Flow to the Engines (MMBTU HHV)	721	722	717	733	749	734	720	726	725	729	739	719	726	692	737	753	22,281
Landfill Gas Flow to the Flare (KSCF)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Landfill Gas Flow to the Flare (MMBTU HHV)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Landfill Gas Total Flow (KSCF)	1,464	1,446	1,435	1,415	1,441	1,419	1,378	1,391	1,368	1,356	1,368	1,348	1,354	1,269	1,359	1,420	44,617
Landfill Gas Total Flow (MMBTU HHV)	721	722	717	733	749	734	720	726	725	729	739	719	726	692	737	753	22,281
Average Methane Content (%)	48.7	49.3	49.4	51.2	51.4	51.1	51.6	51.6	52.4	53.1	53.4	52.7	53.0	53.9	53.6	52.4	49.3
Engine 1 Hours	24	24	24	24	11	-	14	24	24	24	24	24	24	23	24	24	692
Engine 2 Hours	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	733
Engine 3 Hours	24	24	24	24	24	24	24	24	24	24	24	24	24	23	24	24	717
Engine 4 Hours	-	-	-	14	24	24	12	-	-	-	-	-	-	-	-	-	117
Generator 1 Power Output (kWhr)	19,015	18,979	18,945	15,173	6,228	-	10,216	18,889	18,849	19,005	19,053	18,781	18,895	16,528	19,330	19,821	540,898
Generator 2 Power Output (kWhr)	18,583	18,600	18,578	16,302	17,502	19,327	18,641	18,458	18,397	18,619	18,629	18,335	18,431	16,510	19,075	19,577	558,899
Generator 3 Power Output (kWhr)	19,682	19,838	19,715	15,831	17,253	20,159	19,603	19,351	19,650	19,740	19,563	19,286	19,450	16,680	18,774	19,233	574,040
Generator 4 Power Output (kWhr)	-	-	-	6,924	16,872	18,923	8,291	-	-	-	-	-	-	-	-	-	82,765
Gross Power Output (kWhr)	57,595	57,651	57,429	54,896	58,606	59,060	57,160	56,959	57,338	57,787	57,595	56,839	57,279	50,131	57,467	58,872	1,769,050
Net Power Output (kWhr)	55,765	55,790	55,568	53,093	56,765	57,258	55,408	55,211	55,536	55,983	55,804	55,086	55,507	48,480	55,737	57,065	1,712,457
Power Sold as metered by NStar, (kWhr)	56,289	56,452	56,355	53,047	56,639	57,531	56,796	56,239	56,528	56,375	56,178	55,889	55,690	48,512	56,517	57,836	1,728,540
Offgrid RECs (kWhr)	1,830	1,861	1,861	1,803	1,841	1,802	1,752	1,748	1,802	1,804	1,791	1,753	1,772	1,651	1,730	1,807	56,593
Calculated Performance Results																	
Daily																	
Power output (kW average when running)																	
Generator 1	792	791	789	632	566	-	730	787	785	792	794	783	787	719	805	826	
Generator 2	774	775	774	679	729	805	777	769	767	776	776	764	768	688	795	816	
Generator 3	820	827	821	660	719	840	817	806	819	823	815	804	810	725	782	801	
Generator 4	-	-	-	495	703	788	691	-	-	-	-	-	-	-	-	-	
Power output (kW average over 24-hrs)																	
Facility Gross	2,400	2,402	2,393	2,287	2,442	2,461	2,382	2,373	2,389	2,408	2,400	2,368	2,387	2,089	2,394	2,453	
Facility Net	2,324	2,325	2,315	2,212	2,365	2,386	2,309	2,300	2,314	2,333	2,325	2,295	2,313	2,020	2,322	2,378	
In-plant load	76	78	78	75	77	75	73	73	75	75	75	73	74	69	72	75	
Daily availability factor																	
Facility	75%	75%	75%	90%	86%	75%	77%	75%	75%	75%	75%	75%	75%	73%	75%	75%	
Engine 1	100%	100%	100%	100%	46%	0%	58%	100%	100%	100%	100%	100%	100%	96%	100%	100%	
Engine 2	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	
Engine 3	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	96%	100%	100%	
Engine 4	0%	0%	0%	58%	100%	100%	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
Daily capacity factor																	
Facility	73%	73%	73%	69%	74%	75%	72%	72%	72%	73%	73%	72%	72%	63%	73%	74%	
Engine 1	96%	96%	96%	77%	69%	0%	88%	95%	96%	96%	96%	95%	95%	87%	98%	100%	
Engine 2	94%	94%	94%	82%	88%	98%	94%	93%	93%	94%	94%	93%	93%	83%	96%	99%	
Engine 3	99%	100%	100%	80%	87%	102%	99%	98%	99%	100%	99%	97%	98%	88%	95%	97%	
Engine 4	0%	0%	0%	60%	85%	96%	84%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
Cumulative by engine																	
Engine operating run hours in the month																	
Max Cumulative Available, hours	384	408	432	456	480	504	528	552	576	600	624	648	672	696	720	720	
Engine 1	380	404	428	452	463	463	477	501	525	549	573	597	621	644	668	668	
Engine 2	373	397	421	445	469	493	517	541	565	589	613	637	661	685	709	709	
Engine 3	358	382	406	430	454	478	502	526	550	574	598	622	646	669	693	693	
Engine 4	43	43	43	57	81	105	117	117	117	117	117	117	117	117	117	117	
Engine operating run hours total from 0 hours																	
Engine 1	39,684	39,708	39,732	39,756	39,767	39,767	39,781	39,805	39,829	39,853	39,877	39,901	39,925	39,948	39,972	39,972	
Engine 2	39,629	39,653	39,677	39,701	39,725	39,749	39,773	39,797	39,821	39,845	39,869	39,893	39,917	39,941	39,965	39,965	
Engine 3	39,278	39,302	39,326	39,350	39,374	39,398	39,422	39,446	39,470	39,494	39,518	39,542	39,566	39,589	39,613	39,613	
Engine 4	38,222	38,222	38,222	38,236	38,260	38,284	38,296	38,296	38,296	38,296	38,296	38,296	38,296	38,296	38,296	38,296	
Cumulative availability, %																	
Engine 1	99%	99%	99%	99%	96%	92%	90%	91%	91%	92%	92%	92%	92%	93%	93%	93%	
Engine 2	97%	97%	97%	98%	98%	98%	98%	98%	98%	98%	98%	98%	98%	98%	98%	98%	
Engine 3	93%	94%	94%	94%	95%	95%	95%	95%	95%	96%	96%	96%	96%	96%	96%	96%	
Engine 4	11%	11%	10%	13%	17%	21%	22%	21%	20%	20%	19%	18%	17%	17%	16%	16%	
Engine cumulative gross output, kWhr																	
Max cumulative capacity one engine	13,200	14,025	14,850	15,675	16,500	17,325	18,150	18,975	19,800	20,625	21,450	22,275	23,100	23,925	24,750	24,750	
Engine 1	12,722	13,513	14,302	14,934	15,501	15,501	16,230	17,017	17,803	18,595	19,389	20,171	20,958	21,677	22,482	22,503	
Engine 2	12,177	12,952	13,726	14,405	15,135	15,940	16,717	17,486	18,252	19,028	19,804	20,568	21,336	22,024	22,819	22,840	
Engine 3	12,923	13,749	14,571	15,230	15,949	16,789	17,606	18,412	19,231	20,053	20,869	21,672	22,483	23,208	23,990	24,009	
Engine 4	2,120	2,120	2,120	2,615	3,318	4,106	4,797	4,797	4,797	4,797	4,797	4,797	4,797	4,797	4,797	4,797	
Cumulative capacity factor, %																	
Engine 1	96%	96%	96%	95%	94%	89%	89%	90%	90%	90%	90%	91%	91%	91%	91%	91%	
Engine 2	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	
Engine 3	98%	98%	98%	97%	97%	97%	97%	97%	97%	97%	97%	97%	97%	97%	97%	97%	
Engine 4	16%	15%	14%	17%	20%	24%	26%	25%	24%	23%	22%	22%	21%	20%	19%	19%	

	Friday 7/16/2010	Saturday 7/17/2010	Sunday 7/18/2010	Monday 7/19/2010	Tuesday 7/20/2010	Wednesday 7/21/2010	Thursday 7/22/2010	Friday 7/23/2010	Saturday 7/24/2010	Sunday 7/25/2010	Monday 7/26/2010	Tuesday 7/27/2010	Wednesday 7/28/2010	Thursday 7/29/2010	Friday 7/30/2010	Saturday 7/31/2010	TOTAL
Cumulative by Facility in month																	
Max cumulative available engine run hours	1,536	1,632	1,728	1,824	1,920	2,016	2,112	2,208	2,304	2,400	2,496	2,592	2,688	2,784	2,880	2,880	
Actual cumulative engine run hours	1,154	1,226	1,298	1,384	1,467	1,539	1,613	1,685	1,757	1,829	1,901	1,973	2,045	2,115	2,187	2,187	
Cumulative Availability, %	75.1%	75.1%	75.1%	75.9%	76.4%	76.3%	76.4%	76.3%	76.3%	76.2%	76.2%	76.1%	76.1%	76.0%	75.9%	75.9%	
Max cumulative gross output, kWhr	1,267,200	1,346,400	1,425,600	1,504,800	1,584,000	1,663,200	1,742,400	1,821,600	1,900,800	1,980,000	2,059,200	2,138,400	2,217,600	2,296,800	2,376,000	2,376,000	
Actual cumulative gross output, kWhr	913,981	971,632	1,029,061	1,083,957	1,142,563	1,201,623	1,258,783	1,315,742	1,373,080	1,430,867	1,488,462	1,545,301	1,602,580	1,652,711	1,710,178	1,711,583	
Cumulative Capacity Factor	72.1%	72.2%	72.2%	72.0%	72.1%	72.2%	72.2%	72.2%	72.2%	72.3%	72.3%	72.3%	72.3%	72.0%	72.0%	72.0%	
Cumulative fuel input, MMBtu HHV	11,360	12,082	12,799	13,532	14,281	15,015	15,735	16,461	17,186	17,915	18,654	19,373	20,099	20,791	21,528	21,544	
Cumulative gross output, kWhr	913,981	971,632	1,029,061	1,083,957	1,142,563	1,201,623	1,258,783	1,315,742	1,373,080	1,430,867	1,488,462	1,545,301	1,602,580	1,652,711	1,710,178	1,711,583	
Heat Rate																	
Daily heat rate, Btu/kWe gross LHV	11,269	11,274	11,239	12,020	11,505	11,188	11,339	11,474	11,382	11,356	11,550	11,387	11,410	12,426	11,545	11,514	
Daily heat rate, Btu/kWe gross HHV	12,518	12,524	12,485	13,353	12,780	12,428	12,596	12,746	12,644	12,615	12,831	12,650	12,675	13,804	12,825	12,790	
Cumulative heat rate, Btu/kWe gross LHV	11,189	11,194	11,196	11,238	11,252	11,249	11,253	11,262	11,267	11,271	11,282	11,286	11,290	11,324	11,332	11,331	
Cumulative heat rate, Btu/kWe gross HHV	12,429	12,435	12,438	12,484	12,499	12,496	12,500	12,511	12,516	12,520	12,532	12,537	12,542	12,580	12,588	12,587	
Cumulative by Facility starting Calendar Year																	
Max cumulative available engine run hours	18,720	18,816	18,912	19,008	19,104	19,200	19,296	19,392	19,488	19,584	19,680	19,776	19,872	19,968	20,064	20,064	
Actual cumulative engine run hours	16,970	17,042	17,114	17,200	17,283	17,355	17,429	17,501	17,573	17,645	17,717	17,789	17,861	17,931	18,003	18,003	
Cumulative Availability, %	90.7%	90.6%	90.5%	90.5%	90.5%	90.4%	90.3%	90.2%	90.2%	90.1%	90.0%	90.0%	89.9%	89.8%	89.7%	89.7%	
Max cumulative gross output, kWhr	15,444,000	15,523,200	15,602,400	15,681,600	15,760,800	15,840,000	15,919,200	15,998,400	16,077,600	16,156,800	16,236,000	16,315,200	16,394,400	16,473,600	16,552,800	16,552,800	
Actual cumulative gross output, kWhr	11,689,181	11,746,832	11,804,261	11,859,157	11,917,763	11,976,823	12,033,983	12,090,942	12,148,280	12,206,067	12,263,662	12,320,501	12,377,780	12,427,911	12,485,378	12,486,783	
Cumulative Capacity Factor	75.7%	75.7%	75.7%	75.6%	75.6%	75.6%	75.6%	75.6%	75.6%	75.5%	75.5%	75.5%	75.5%	75.4%	75.4%	75.4%	
Cumulative fuel input, MMBtu HHV	157,927	158,649	159,366	160,099	160,848	161,582	162,302	163,028	163,753	164,482	165,221	165,940	166,666	167,358	168,095	168,111	
Cumulative gross output, kWhr	11,689,181	11,746,832	11,804,261	11,859,157	11,917,763	11,976,823	12,033,983	12,090,942	12,148,280	12,206,067	12,263,662	12,320,501	12,377,780	12,427,911	12,485,378	12,486,783	
Cumulative heat rate, Btu/kWe gross LHV	12,162	12,158	12,153	12,153	12,150	12,145	12,141	12,138	12,134	12,131	12,128	12,124	12,121	12,122	12,120	12,119	
Cumulative heat rate, Btu/kWe gross HHV	13,511	13,506	13,501	13,500	13,496	13,491	13,487	13,483	13,480	13,475	13,472	13,469	13,465	13,466	13,463	13,463	
Service																	
Engine 1																	
Engine 2																	
Engine 3																	
Engine 4																	
Oil - oil and filter change	Oil trap at LC8												Crankcase vent knockout installed				
Service - plugs, air filter, valve inspection and adjustment	Oil trap at LC8												Crankcase vent knockout installed				
g expected next week																	
NSTAR Power Reports																	
Date	Friday 7/16/2010	Saturday 7/17/2010	Sunday 7/18/2010	Monday 7/19/2010	Tuesday 7/20/2010	Wednesday 7/21/2010	Thursday 7/22/2010	Friday 7/23/2010	Saturday 7/24/2010	Sunday 7/25/2010	Monday 7/26/2010	Tuesday 7/27/2010	Wednesday 7/28/2010	Thursday 7/29/2010	Friday 7/30/2010	Saturday 7/31/2010	TOTAL
Hour																	
1	2,339	2,351	2,352	2,332	2,387	2,414	2,384	2,342	2,355	2,354	2,333	2,336	2,313	2,319	2,228	2,398	
2	2,340	2,349	2,353	2,337	2,386	2,414	2,385	2,340	2,354	2,357	2,338	2,336	2,314	2,320	2,229	2,399	
3	2,340	2,349	2,348	2,336	2,383	2,414	2,383	2,342	2,355	2,356	2,341	2,336	2,316	2,319	2,220	2,405	
4	2,340	2,348	2,348	2,340	2,383	2,415	2,387	2,343	2,354	2,359	2,341	2,335	2,315	2,320	2,224	2,405	
5	2,340	2,345	2,346	2,347	2,379	2,415	2,387	2,342	2,355	2,360	2,341	2,333	2,314	2,320	2,231	2,404	
6	2,341	2,342	2,345	2,347	2,379	2,417	2,386	2,343	2,354	2,361	2,341	2,334	2,313	2,321	2,227	2,402	
7	2,340	2,341	2,346	2,348	2,378	2,418	2,387	2,343	2,354	2,361	2,339	2,335	2,317	2,320	2,239	2,406	
8	2,339	2,344	2,353	2,351	2,376	2,416	2,386	2,344	2,352	2,356	2,341	2,337	2,319	2,320	2,250	2,408	
9	2,347	2,352	2,355	2,103	2,256	2,416	2,381	2,345	2,351	2,354	2,341	2,333	2,325	2,319	2,305	2,414	
10	2,351	2,351	2,350	1,288	2,109	2,412	2,377	2,344	2,352	2,357	2,342	2,311	2,326	2,318	2,442	2,420	
11	2,347	2,351	2,351	1,685	2,132	2,410	2,370	2,341	2,355	2,359	2,340	2,329	2,325	2,310	2,438	2,417	
12	2,326	2,359	2,351	1,663	2,379	2,408	2,396	2,336	2,355	2,350	2,340	2,332	2,325	1,223	2,435	2,418	
13	2,351	2,359	2,350	1,660	2,393	2,386	2,351	2,336	2,357	2,352	2,345	2,333	2,325	45	2,433	2,420	
14	2,350	2,360	2,352	1,483	2,392	2,375	2,352	2,341	2,355	2,350	2,347	2,331	2,324	300	2,437	2,423	
15	2,351	2,358	2,351	2,557	2,388	2,374	2,356	2,338	2,354	2,351	2,347	2,329	2,321	1,265	2,436	2,420	
16	2,351	2,359	2,351	2,520	2,392	2,377	2,358	2,338	2,356	2,349	2,351	2,330	2,324	2,269	2,435	2,422	
17	2,353	2,360	2,351	2,499	2,391	2,379	2,359	2,340	2,350	2,348	2,355	2,333	2,327	2,268	2,429	2,421	
18	2,351	2,359	2,351	2,436	2,390	2,382	2,354	2,345	2,344	2,343	2,350	2,333	2,327	2,251	2,427	2,417	
19	2,350	2,357	2,350	2,423	2,393	2,381	2,349	2,348	2,356	2,340	2,349	2,330	2,323	2,244	2,420	2,412	
20	2,349	2,352	2,347	2,414	2,388	2,382	2,345	2,348	2,361	2,333	2,336	2,326	2,322	2,237	2,415	2,409	
21	2,349	2,351	2,346	2,402	2,381	2,382	2,341	2,348	2,361	2,329	2,325	2,320	2,320	2,230	2,408	2,400	
22	2,348	2,352	2,339	2,393	2,398	2,381	2,340	2,351	2,361	2,332	2,333	2,313	2,318	2,229	2,405	2,398	
23	2,347	2,351	2,335	2,393	2,395	2,380	2,340	2,351	2,362	2,331	2,333	2,311	2,318	2,222	2,401	2,402	
24	2,349	2,352	2,334	2,390	2,411	2,383	2,342	2,350	2,365	2,333	2,329	2,313	2,319	2,223	2,403	2,396	
TOTAL	56,289	56,452	56,355	53,047	56,639	57,531	56,796	56,239	56,528	56,375	56,178	55,889	55,690	48,512	56,517	57,836	
Cumulative Output Sold, kWhr	891,956	948,408	1,004,763	1,057,810	1,114,449	1,171,980	1,228,776	1,285,015	1,341,543	1,397,918	1,454,096	1,509,985	1,565,675	1,614,187	1,670,704	1,728,540	
Transformer and line efficiency	100.9%	101.2%	101.4%	99.9%	99.8%	100.5%	102.5%	101.9%	101.8%	100.7%	100.7%	101.5%	100.3%	100.1%	101.4%	101.4%	0.0%
Hourly average	2,345	2,352	2,348	2,210	2,360	2,397	2,367	2,343	2,355	2,349	2,341	2,329	2,320	2,021	2,355	2,410	2,323

AUGUST 2010																
CNBE Daily Reports Summary Data																
	Sunday 8/1/2010	Monday 8/2/2010	Tuesday 8/3/2010	Wednesday 8/4/2010	Thursday 8/5/2010	Friday 8/6/2010	Saturday 8/7/2010	Sunday 8/8/2010	Monday 8/9/2010	Tuesday 8/10/2010	Wednesday 8/11/2010	Thursday 8/12/2010	Friday 8/13/2010	Saturday 8/14/2010	Sunday 8/15/2010	
Landfill Gas Flow to the Engines (KSCF)	1,437	1,398	1,367	1,334	1,359	1,320	1,409	1,402	1,388	1,404	1,413	1,384	1,411	1,316	1,410	
Landfill Gas Flow to the Engines (MMBTU HHV)	747	733	723	722	732	713	745	726	728	734	735	728	735	681	749	
Landfill Gas Flow to the Flare (KSCF)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Landfill Gas Flow to the Flare (MMBTU HHV)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Landfill Gas Total Flow (KSCF)	1,437	1,398	1,367	1,334	1,359	1,320	1,409	1,402	1,388	1,404	1,413	1,384	1,411	1,316	1,410	
Landfill Gas Total Flow (MMBTU HHV)	747	733	723	722	732	713	745	726	728	734	735	728	735	681	749	
Average Methane Content (%)	51.4	51.8	52.3	53.5	53.2	53.4	52.3	51.2	51.8	51.7	51.4	52.0	51.5	51.1	52.5	
Engine 1 Hours	24	24	24	24	23	24	24	24	24	24	24	24	24	23	24	
Engine 2 Hours	24	24	24	24	23	24	24	24	24	24	24	24	24	23	24	
Engine 3 Hours	24	10	-	-	2	-	-	-	-	-	-	8	24	22	24	
Engine 4 Hours	-	15	24	24	24	24	24	24	24	24	24	16	-	2	-	
Generator 1 Power Output (kWhr)	19,766	19,137	19,110	18,772	18,486	18,115	19,521	19,556	19,642	19,669	19,579	19,542	19,796	17,168	19,946	
Generator 2 Power Output (kWhr)	19,575	19,152	18,885	18,306	18,410	17,966	19,367	19,364	19,356	19,468	19,366	19,291	19,467	17,283	19,686	
Generator 3 Power Output (kWhr)	19,370	8,071	-	-	902	-	-	-	-	-	-	6,352	18,509	13,662	14,244	
Generator 4 Power Output (kWhr)	-	10,638	18,587	18,179	19,283	18,023	19,374	19,381	19,412	19,501	19,384	11,758	-	355	-	
Gross Power Output (kWhr)	58,834	57,312	56,932	55,659	57,677	54,923	59,044	59,182	59,239	59,475	59,053	57,487	58,124	48,678	54,091	
Net Power Output (kWhr)	57,003	55,549	55,236	53,996	55,963	53,280	57,350	57,432	57,469	57,703	57,274	55,805	56,407	47,187	52,470	
Power Sold as metered by NStar, (kWhr)	57,953	56,252	55,706	53,987	55,701	53,704	57,446	57,383	57,382	57,351	57,358	56,572	57,229	47,904	52,785	
Offgrid RECs (kWhr)	1,831	1,763	1,696	1,663	1,714	1,643	1,694	1,750	1,770	1,772	1,779	1,682	1,717	1,491	1,621	
Calculated Performance Results																
Daily																
Power output (kW average when running)																
Generator 1	824	797	796	782	804	755	813	815	818	820	816	814	825	746	831	
Generator 2	816	798	787	763	800	749	807	807	807	811	807	804	811	751	820	
Generator 3	807	807	-	-	451	-	-	-	-	-	-	794	771	621	594	
Generator 4	-	709	774	757	803	751	807	808	809	813	808	735	-	178	-	
Power output (kW average over 24-hrs)																
Facility Gross	2,451	2,388	2,372	2,319	2,403	2,288	2,460	2,466	2,468	2,478	2,461	2,395	2,422	2,028	2,254	
Facility Net	2,375	2,315	2,302	2,250	2,332	2,220	2,390	2,393	2,395	2,404	2,386	2,325	2,350	1,966	2,186	
In-plant load	76	73	71	69	71	68	71	73	74	74	74	70	72	62	68	
Daily availability factor																
Facility	75%	76%	75%	75%	75%	75%	75%	75%	75%	75%	75%	75%	75%	73%	75%	
Engine 1	100%	100%	100%	100%	96%	100%	100%	100%	100%	100%	100%	100%	100%	96%	100%	
Engine 2	100%	100%	100%	100%	96%	100%	100%	100%	100%	100%	100%	100%	100%	96%	100%	
Engine 3	100%	42%	0%	0%	8%	0%	0%	0%	0%	0%	0%	33%	100%	92%	100%	
Engine 4	0%	63%	100%	100%	100%	100%	100%	100%	100%	100%	100%	67%	0%	8%	0%	
Daily capacity factor																
Facility	74%	72%	72%	70%	73%	69%	75%	75%	75%	75%	75%	73%	73%	61%	68%	
Engine 1	100%	97%	97%	95%	97%	91%	99%	99%	99%	99%	99%	99%	100%	90%	101%	
Engine 2	99%	97%	95%	92%	97%	91%	98%	98%	98%	98%	98%	97%	98%	91%	99%	
Engine 3	98%	98%	0%	0%	55%	0%	0%	0%	0%	0%	0%	96%	93%	75%	72%	
Engine 4	0%	86%	94%	92%	97%	91%	98%	98%	98%	98%	98%	89%	0%	22%	0%	
Cumulative by engine																
Engine operating run hours in the month																
Max Cumulative Available, hours	24	48	72	96	120	144	168	192	216	240	264	288	312	336	360	
Engine 1	24	48	72	96	119	143	167	191	215	239	263	287	311	334	358	
Engine 2	24	48	72	96	119	143	167	191	215	239	263	287	311	334	358	
Engine 3	24	34	34	34	36	36	36	36	36	36	36	44	68	90	114	
Engine 4	0	15	39	63	87	111	135	159	183	207	231	247	247	249	249	
Engine operating run hours total from 0 hours																
Engine 1	40,020	40,044	40,068	40,092	40,115	40,139	40,163	40,187	40,211	40,235	40,259	40,283	40,307	40,330	40,354	
Engine 2	39,983	40,007	40,031	40,055	40,078	40,102	40,126	40,150	40,174	40,198	40,222	40,246	40,270	40,293	40,317	
Engine 3	39,651	39,661	39,661	39,661	39,663	39,663	39,663	39,663	39,663	39,663	39,663	39,671	39,695	39,717	39,741	
Engine 4	38,547	38,562	38,586	38,610	38,634	38,658	38,682	38,706	38,730	38,754	38,778	38,794	38,794	38,796	38,796	
Cumulative availability, %																
Engine 1	100%	100%	100%	100%	99%	99%	99%	99%	100%	100%	100%	100%	100%	99%	99%	
Engine 2	100%	100%	100%	100%	99%	99%	99%	99%	100%	100%	100%	100%	100%	99%	99%	
Engine 3	100%	71%	47%	35%	30%	25%	21%	19%	17%	15%	14%	22%	27%	32%	32%	
Engine 4	0%	31%	54%	66%	73%	77%	80%	83%	85%	86%	88%	86%	79%	74%	69%	
Engine cumulative gross output, kWhr																
Max cumulative capacity one engine	825	1,650	2,475	3,300	4,125	4,950	5,775	6,600	7,425	8,250	9,075	9,900	10,725	11,550	12,375	
Engine 1	824	1,621	2,417	3,199	4,003	4,758	5,571	6,386	7,205	8,024	8,840	9,654	10,479	11,225	12,056	
Engine 2	816	1,614	2,401	3,163	3,964	4,712	5,519	6,326	7,133	7,944	8,751	9,554	10,366	11,117	11,937	
Engine 3	807	1,614	1,614	1,614	2,065	2,065	2,065	2,065	2,065	2,065	2,065	2,859	3,630	4,251	4,845	
Engine 4	-	709	1,484	2,241	3,045	3,796	4,603	5,410	6,219	7,032	7,839	8,574	8,574	8,752	8,752	
Cumulative capacity factor, %																
Engine 1	100%	98%	98%	97%	97%	96%	96%	97%	97%	97%	97%	98%	98%	97%	97%	
Engine 2	99%	98%	97%	96%	96%	95%	96%	96%	96%	96%	96%	97%	97%	96%	96%	
Engine 3	98%	98%	65%	49%	50%	42%	36%	31%	28%	25%	23%	29%	34%	37%	39%	
Engine 4	0%	43%	60%	68%	74%	77%	80%	82%	84%	85%	86%	87%	80%	76%	71%	

	Sunday 8/1/2010	Monday 8/2/2010	Tuesday 8/3/2010	Wednesday 8/4/2010	Thursday 8/5/2010	Friday 8/6/2010	Saturday 8/7/2010	Sunday 8/8/2010	Monday 8/9/2010	Tuesday 8/10/2010	Wednesday 8/11/2010	Thursday 8/12/2010	Friday 8/13/2010	Saturday 8/14/2010	Sunday 8/15/2010
Cumulative by Facility in month															
Max cumulative available engine run hours	96	192	288	384	480	576	672	768	864	960	1,056	1,152	1,248	1,344	1,440
Actual cumulative engine run hours	72	145	217	289	361	433	505	577	649	721	793	865	937	1,007	1,079
Cumulative Availability, %	75.0%	75.5%	75.3%	75.3%	75.2%	75.2%	75.1%	75.1%	75.1%	75.1%	75.1%	75.1%	75.1%	74.9%	74.9%
Max cumulative gross output, kWhr	79,200	158,400	237,600	316,800	396,000	475,200	554,400	633,600	712,800	792,000	871,200	950,400	1,029,600	1,108,800	1,188,000
Actual cumulative gross output, kWhr	58,834	116,146	173,078	228,737	286,414	341,337	400,381	459,563	518,802	578,277	637,330	694,817	752,941	801,619	855,710
Cumulative Capacity Factor	74.3%	73.3%	72.8%	72.2%	72.3%	71.8%	72.2%	72.5%	72.8%	73.0%	73.2%	73.1%	73.1%	72.3%	72.0%
Cumulative fuel input, MMBtu HHV	747	1,480	2,203	2,925	3,657	4,370	5,115	5,841	6,569	7,303	8,038	8,766	9,501	10,182	10,931
Cumulative gross output, kWhr	58,834	116,146	173,078	228,737	286,414	341,337	400,381	459,563	518,802	578,277	637,330	694,817	752,941	801,619	855,710
Heat Rate															
Daily heat rate, Btu/kWe gross LHV	11,430	11,513	11,432	11,677	11,425	11,686	11,358	11,043	11,063	11,110	11,204	11,400	11,383	12,594	12,465
Daily heat rate, Btu/kWe gross HHV	12,697	12,790	12,699	12,972	12,691	12,982	12,618	12,267	12,289	12,341	12,446	12,664	12,645	13,990	13,847
Cumulative heat rate, Btu/kWe gross LHV	11,430	11,471	11,458	11,511	11,494	11,525	11,500	11,441	11,398	11,369	11,353	11,357	11,359	11,434	11,499
Cumulative heat rate, Btu/kWe gross HHV	12,697	12,743	12,728	12,788	12,768	12,803	12,775	12,710	12,662	12,629	12,612	12,616	12,619	12,702	12,774
Cumulative by Facility starting Calendar Year															
Max cumulative available engine run hours	20,160	20,256	20,352	20,448	20,544	20,640	20,736	20,832	20,928	21,024	21,120	21,216	21,312	21,408	21,504
Actual cumulative engine run hours	18,075	18,148	18,220	18,292	18,364	18,436	18,508	18,580	18,652	18,724	18,796	18,868	18,940	19,010	19,082
Cumulative Availability, %	89.7%	89.6%	89.5%	89.5%	89.4%	89.3%	89.3%	89.2%	89.1%	89.1%	89.0%	88.9%	88.9%	88.8%	88.7%
Max cumulative gross output, kWhr	16,632,000	16,711,200	16,790,400	16,869,600	16,948,800	17,028,000	17,107,200	17,186,400	17,265,600	17,344,800	17,424,000	17,503,200	17,582,400	17,661,600	17,740,800
Actual cumulative gross output, kWhr	12,545,617	12,602,929	12,659,861	12,715,520	12,773,197	12,828,120	12,887,164	12,946,346	13,005,585	13,065,060	13,124,113	13,181,600	13,239,724	13,288,402	13,342,493
Cumulative Capacity Factor	75.4%	75.4%	75.4%	75.4%	75.4%	75.3%	75.3%	75.3%	75.3%	75.3%	75.3%	75.3%	75.3%	75.2%	75.2%
Cumulative fuel input, MMBtu HHV	168,858	169,591	170,314	171,036	171,768	172,481	173,226	173,952	174,680	175,414	176,149	176,877	177,612	178,293	179,042
Cumulative gross output, kWhr	12,545,617	12,602,929	12,659,861	12,715,520	12,773,197	12,828,120	12,887,164	12,946,346	13,005,585	13,065,060	13,124,113	13,181,600	13,239,724	13,288,402	13,342,493
Cumulative heat rate, Btu/kWe gross LHV	12,116	12,113	12,110	12,109	12,105	12,104	12,100	12,095	12,091	12,086	12,082	12,079	12,076	12,078	12,080
Cumulative heat rate, Btu/kWe gross HHV	13,460	13,456	13,453	13,451	13,448	13,446	13,442	13,436	13,431	13,426	13,422	13,418	13,415	13,417	13,419
Service															
Engine 1															
Engine 2															
Engine 3															
Engine 4															
Oil - oil and filter change				Connected 3 new wells, & 1 pump		Connected 1 well, and pump			Pease well adjust.						
Service - plugs, air filter, valve inspection and adjustment															
NSTAR Power Reports															
Date	8/1/2010	8/2/2010	8/3/2010	8/4/2010	8/5/2010	8/6/2010	8/7/2010	8/8/2010	8/9/2010	8/10/2010	8/11/2010	8/12/2010	8/13/2010	8/14/2010	8/15/2010
Hour															
1	2,395	2,395	2,341	2,307	2,338	2,389	2,395	2,392	2,390	2,392	2,389	2,393	2,395	2,340	2,154
2	2,392	2,398	2,342	2,307	2,337	2,390	2,397	2,392	2,391	2,392	2,390	2,391	2,391	1,347	2,152
3	2,399	2,404	2,340	2,306	2,337	2,389	2,397	2,392	2,390	2,388	2,390	2,394	2,389	240	2,151
4	2,403	2,403	2,341	2,307	2,337	2,389	2,397	2,392	2,390	2,393	2,389	2,394	2,391	554	2,140
5	2,404	2,402	2,341	2,307	2,337	2,390	2,397	2,392	2,391	2,393	2,389	2,394	2,392	687	2,136
6	2,401	2,396	2,342	2,308	2,337	2,389	2,396	2,393	2,391	2,395	2,389	2,396	2,385	1,778	2,133
7	2,403	2,396	2,344	2,309	2,337	2,390	2,396	2,393	2,392	2,394	2,391	2,394	2,384	2,365	2,134
8	2,410	2,405	2,342	2,307	2,338	2,390	2,396	2,392	2,390	2,394	2,393	2,394	2,387	2,337	2,150
9	2,420	2,395	2,339	2,307	2,351	2,389	2,395	2,392	2,389	2,394	2,391	2,390	2,389	2,316	2,215
10	2,425	2,243	2,336	2,286	2,410	2,377	2,393	2,391	2,387	2,390	2,389	2,386	2,393	2,304	2,248
11	2,428	2,253	2,332	1,137	2,416	1,882	2,393	2,390	2,388	2,364	2,388	2,272	2,398	2,321	2,241
12	2,430	2,273	2,302	1,612	2,399	1,127	2,392	2,390	2,390	2,390	2,388	1,759	2,393	2,326	2,239
13	2,431	2,274	2,301	2,361	2,274	1,128	2,394	2,390	2,389	2,390	2,388	2,210	2,390	2,330	2,240
14	2,431	2,291	2,302	2,391	1,749	1,770	2,394	2,391	2,388	2,389	2,389	2,328	2,388	2,326	2,254
15	2,431	2,330	2,303	2,389	1,920	2,393	2,394	2,391	2,387	2,388	2,391	2,332	2,395	2,312	2,252
16	2,430	2,330	2,306	2,342	2,385	2,392	2,394	2,390	2,392	2,391	2,392	2,344	2,400	2,301	2,254
17	2,434	2,334	2,307	2,339	2,386	2,392	2,393	2,391	2,395	2,392	2,392	2,511	2,402	2,290	2,240
18	2,430	2,329	2,307	2,339	2,387	2,392	2,392	2,391	2,395	2,392	2,391	2,433	2,391	2,282	2,238
19	2,425	2,330	2,306	2,339	2,387	2,391	2,392	2,391	2,395	2,392	2,390	2,427	2,386	2,264	2,229
20	2,422	2,331	2,307	2,338	2,388	2,390	2,391	2,391	2,394	2,393	2,390	2,419	2,381	2,227	2,209
21	2,411	2,332	2,306	2,337	2,387	2,389	2,389	2,390	2,393	2,389	2,388	2,411	2,371	2,191	2,196
22	2,402	2,333	2,306	2,337	2,387	2,391	2,389	2,389	2,392	2,385	2,390	2,403	2,351	2,161	2,185
23	2,400	2,335	2,307	2,337	2,388	2,391	2,389	2,389	2,392	2,381	2,390	2,400	2,347	2,151	2,195
24	2,396	2,340	2,306	2,338	2,389	2,394	2,391	2,388	2,391	2,390	2,391	2,397	2,340	2,154	2,200
TOTAL	57,953	56,252	55,706	53,987	55,701	53,704	57,446	57,383	57,382	57,351	57,358	56,572	57,229	47,904	52,785
Cumulative Output Sold, kWhr	57,953	114,205	169,911	223,898	279,599	333,303	390,749	448,132	505,514	562,865	620,223	676,795	734,024	781,928	834,713
Transformer and line efficiency	101.7%	101.3%	100.9%	100.0%	99.5%	100.8%	100.2%	99.9%	99.8%	99.4%	100.1%	101.4%	101.5%	101.5%	100.6%
Hourly average	2,415	2,344	2,321	2,249	2,321	2,238	2,394	2,391	2,391	2,390	2,390	2,357	2,385	1,996	2,199

AUGUST 2010																		
CNBE Daily Reports Summary Data																		
	Monday 8/16/2010	Tuesday 8/17/2010	Wednesday 8/18/2010	Thursday 8/19/2010	Friday 8/20/2010	Saturday 8/21/2010	Sunday 8/22/2010	Monday 8/23/2010	Tuesday 8/24/2010	Wednesday 8/25/2010	Thursday 8/26/2010	Friday 8/27/2010	Saturday 8/28/2010	Sunday 8/29/2010	Monday 8/30/2010	Tuesday 8/31/2010	TOTAL	
Landfill Gas Flow to the Engines (KSCF)	1,440	1,434	1,410	1,414	1,422	1,423	1,406	1,408	1,410	1,413	1,398	1,380	1,399	1,393	1,384	1,358	43,243	
Landfill Gas Flow to the Engines (MMBTU HHV)	750	731	730	742	744	741	743	745	742	753	737	723	726	721	720	698	22,677	
Landfill Gas Flow to the Flare (KSCF)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Landfill Gas Flow to the Flare (MMBTU HHV)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Landfill Gas Total Flow (KSCF)	1,440	1,434	1,410	1,414	1,422	1,423	1,406	1,408	1,410	1,413	1,398	1,380	1,399	1,393	1,384	1,358	43,243	
Landfill Gas Total Flow (MMBTU HHV)	750	731	730	742	744	741	743	745	742	753	737	723	726	721	720	698	22,677	
Average Methane Content (%)	51.5	50.4	51.1	51.9	51.7	51.5	52.2	52.3	52.0	52.7	52.1	51.8	51.3	51.1	51.4	50.8	51.8	
Engine 1 Hours	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	742	
Engine 2 Hours	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	16	734	
Engine 3 Hours	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14	141	
Engine 4 Hours	12	24	24	23	24	24	24	24	24	24	24	24	24	24	24	18	614	
Generator 1 Power Output (kWhr)	20,080	19,901	19,585	19,898	20,087	20,091	20,122	20,028	19,795	20,015	19,900	19,819	19,966	20,239	19,931	20,038	607,300	
Generator 2 Power Output (kWhr)	19,835	19,610	19,367	19,555	19,619	18,753	18,206	18,998	19,348	19,689	19,481	18,568	18,767	18,632	18,710	12,520	584,600	
Generator 3 Power Output (kWhr)	8,378	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9,050	98,538	
Generator 4 Power Output (kWhr)	9,441	18,267	18,199	18,944	19,343	19,466	19,475	19,375	19,147	19,514	19,504	19,403	19,560	19,810	19,567	14,236	487,126	
Gross Power Output (kWhr)	58,007	58,070	57,721	58,977	59,440	58,600	58,210	58,804	58,599	59,711	59,411	58,338	58,858	59,216	58,725	56,109	1,792,506	
Net Power Output (kWhr)	56,279	56,267	55,994	57,247	57,647	56,909	56,545	57,131	56,938	58,031	57,703	56,689	57,214	57,529	57,011	54,434	1,739,692	
Power Sold as metered by NStar, (kWhr)	56,243	56,837	56,496	57,273	57,690	56,910	56,461	57,330	57,821	58,178	58,187	57,455	57,477	57,100	57,205	54,222	1,747,598	
Offgrid RECs (kWhr)	1,728	1,803	1,727	1,730	1,793	1,691	1,665	1,673	1,661	1,680	1,708	1,649	1,644	1,687	1,714	1,675	52,814	
Calculated Performance Results																		
Daily																		
Power output (kW average when running)																		
Generator 1	837	829	816	829	837	837	838	835	825	834	829	826	832	843	830	835		
Generator 2	826	817	807	815	817	781	759	792	806	820	812	774	782	776	780	783		
Generator 3	644	-	-	-	-	-	-	-	-	-	-	-	-	-	-	646		
Generator 4	787	761	758	824	806	811	811	807	798	813	813	808	815	825	815	791		
Power output (kW average over 24-hrs)																		
Facility Gross	2,417	2,420	2,405	2,457	2,477	2,442	2,425	2,450	2,442	2,488	2,475	2,431	2,452	2,467	2,447	2,338		
Facility Net	2,345	2,344	2,333	2,385	2,402	2,371	2,356	2,380	2,372	2,418	2,404	2,362	2,384	2,397	2,375	2,268		
In-plant load	72	75	72	72	75	70	69	70	69	70	71	69	69	70	71	70		
Daily availability factor																		
Facility	76%	75%	75%	74%	75%	75%	75%	75%	75%	75%	75%	75%	75%	75%	75%	75%		
Engine 1	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%		
Engine 2	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	67%		
Engine 3	54%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	58%		
Engine 4	50%	100%	100%	96%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	75%		
Daily capacity factor																		
Facility	73%	73%	73%	74%	75%	74%	73%	74%	74%	75%	75%	74%	74%	75%	74%	71%		
Engine 1	101%	101%	99%	100%	101%	101%	102%	101%	100%	101%	101%	100%	101%	102%	101%	101%		
Engine 2	100%	99%	98%	99%	99%	95%	92%	96%	98%	99%	98%	94%	95%	94%	94%	95%		
Engine 3	78%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	78%		
Engine 4	95%	92%	92%	100%	98%	98%	98%	98%	97%	99%	99%	98%	99%	100%	99%	96%		
Cumulative by engine																		
Engine operating run hours in the month																		
Max Cumulative Available, hours	384	408	432	456	480	504	528	552	576	600	624	648	672	696	720	720		
Engine 1	382	406	430	454	478	502	526	550	574	598	622	646	670	694	718	718		
Engine 2	382	406	430	454	478	502	526	550	574	598	622	646	670	694	718	710		
Engine 3	127	127	127	127	127	127	127	127	127	127	127	127	127	127	127	141		
Engine 4	261	285	309	332	356	380	404	428	452	476	500	524	548	572	596	590		
Engine operating run hours total from 0 hours																		
Engine 1	40,378	40,402	40,426	40,450	40,474	40,498	40,522	40,546	40,570	40,594	40,618	40,642	40,666	40,690	40,714	40,714		
Engine 2	40,341	40,365	40,389	40,413	40,437	40,461	40,485	40,509	40,533	40,557	40,581	40,605	40,629	40,653	40,677	40,669		
Engine 3	39,754	39,754	39,754	39,754	39,754	39,754	39,754	39,754	39,754	39,754	39,754	39,754	39,754	39,754	39,754	39,768		
Engine 4	38,808	38,832	38,856	38,879	38,903	38,927	38,951	38,975	38,999	39,023	39,047	39,071	39,095	39,119	39,143	39,137		
Cumulative availability, %																		
Engine 1	99%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%		
Engine 2	99%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	99%		
Engine 3	33%	31%	29%	26%	26%	25%	24%	23%	22%	21%	20%	20%	19%	18%	18%	20%		
Engine 4	68%	70%	72%	73%	74%	75%	77%	78%	78%	79%	80%	81%	82%	82%	83%	82%		
Engine cumulative gross output, kWhr																		
Max cumulative capacity one engine	13,200	14,025	14,850	15,675	16,500	17,325	18,150	18,975	19,800	20,625	21,450	22,275	23,100	23,925	24,750	24,750		
Engine 1	12,893	13,722	14,538	15,367	16,204	17,042	17,880	18,714	19,539	20,373	21,202	22,028	22,860	23,703	24,534	24,538		
Engine 2	12,764	13,581	14,388	15,203	16,020	16,801	17,560	18,352	19,158	19,978	20,790	21,563	22,345	23,122	23,901	23,904		
Engine 3	5,489	5,489	5,489	5,489	5,489	5,489	5,489	5,489	5,489	5,489	5,489	5,489	5,489	5,489	5,489	6,136		
Engine 4	9,538	10,300	11,058	11,882	12,688	13,499	14,310	15,117	15,915	16,728	17,541	18,349	19,164	19,990	20,805	20,781		
Cumulative capacity factor, %																		
Engine 1	98%	98%	98%	98%	98%	98%	99%	99%	99%	99%	99%	99%	99%	99%	99%	99%		
Engine 2	97%	97%	97%	97%	97%	97%	97%	97%	97%	97%	97%	97%	97%	97%	97%	97%		
Engine 3	42%	39%	37%	35%	33%	32%	30%	29%	28%	27%	26%	25%	24%	23%	22%	25%		
Engine 4	72%	73%	74%	76%	77%	78%	79%	80%	80%	81%	82%	82%	83%	84%	84%	84%		

	Monday 8/16/2010	Tuesday 8/17/2010	Wednesday 8/18/2010	Thursday 8/19/2010	Friday 8/20/2010	Saturday 8/21/2010	Sunday 8/22/2010	Monday 8/23/2010	Tuesday 8/24/2010	Wednesday 8/25/2010	Thursday 8/26/2010	Friday 8/27/2010	Saturday 8/28/2010	Sunday 8/29/2010	Monday 8/30/2010	Tuesday 8/31/2010	TOTAL
Cumulative by Facility in month																	
Max cumulative available engine run hours	1,536	1,632	1,728	1,824	1,920	2,016	2,112	2,208	2,304	2,400	2,496	2,592	2,688	2,784	2,880	2,880	
Actual cumulative engine run hours	1,152	1,224	1,296	1,367	1,439	1,511	1,583	1,655	1,727	1,799	1,871	1,943	2,015	2,087	2,159	2,159	
Cumulative Availability, %	75.0%	75.0%	75.0%	74.9%	74.9%	75.0%	75.0%	75.0%	75.0%	75.0%	75.0%	75.0%	75.0%	75.0%	75.0%	75.0%	
Max cumulative gross output, kWhr	1,267,200	1,346,400	1,425,600	1,504,800	1,584,000	1,663,200	1,742,400	1,821,600	1,900,800	1,980,000	2,059,200	2,138,400	2,217,600	2,296,800	2,376,000	2,376,000	
Actual cumulative gross output, kWhr	913,717	971,787	1,029,508	1,088,485	1,147,925	1,206,525	1,264,735	1,323,539	1,382,138	1,441,849	1,501,260	1,559,598	1,618,456	1,677,672	1,736,397	1,733,781	
Cumulative Capacity Factor	72.1%	72.2%	72.2%	72.3%	72.5%	72.5%	72.6%	72.7%	72.7%	72.8%	72.9%	72.9%	73.0%	73.0%	73.1%	73.0%	
Cumulative fuel input, MMBtu HHV	11,681	12,412	13,142	13,884	14,628	15,369	16,112	16,857	17,599	18,352	19,089	19,812	20,538	21,259	21,979	21,957	
Cumulative gross output, kWhr	913,717	971,787	1,029,508	1,088,485	1,147,925	1,206,525	1,264,735	1,323,539	1,382,138	1,441,849	1,501,260	1,559,598	1,618,456	1,677,672	1,736,397	1,733,781	
Heat Rate																	
Daily heat rate, Btu/kWe gross LHV	11,639	11,332	11,385	11,326	11,268	11,383	11,490	11,405	11,399	11,352	11,167	11,156	11,104	10,961	11,037	11,199	
Daily heat rate, Btu/kWe gross HHV	12,929	12,588	12,647	12,581	12,517	12,645	12,764	12,669	12,662	12,611	12,405	12,393	12,335	12,176	12,261	12,440	
Cumulative heat rate, Btu/kWe gross LHV	11,508	11,498	11,491	11,482	11,471	11,467	11,468	11,465	11,462	11,458	11,446	11,435	11,423	11,407	11,395	11,400	
Cumulative heat rate, Btu/kWe gross HHV	12,784	12,772	12,765	12,755	12,743	12,738	12,739	12,736	12,733	12,728	12,715	12,703	12,690	12,672	12,658	12,664	
Cumulative by Facility starting Calendar Year																	
Max cumulative available engine run hours	21,600	21,696	21,792	21,888	21,984	22,080	22,176	22,272	22,368	22,464	22,560	22,656	22,752	22,848	22,944	22,944	
Actual cumulative engine run hours	19,155	19,227	19,299	19,370	19,442	19,514	19,586	19,658	19,730	19,802	19,874	19,946	20,018	20,090	20,162	20,162	
Cumulative Availability, %	88.7%	88.6%	88.6%	88.5%	88.4%	88.4%	88.3%	88.3%	88.2%	88.1%	88.1%	88.0%	88.0%	87.9%	87.9%	87.9%	
Max cumulative gross output, kWhr	17,820,000	17,899,200	17,978,400	18,057,600	18,136,800	18,216,000	18,295,200	18,374,400	18,453,600	18,532,800	18,612,000	18,691,200	18,770,400	18,849,600	18,928,800	18,928,800	
Actual cumulative gross output, kWhr	13,400,500	13,458,570	13,516,291	13,575,268	13,634,708	13,693,308	13,751,518	13,810,322	13,868,921	13,928,632	13,988,043	14,046,381	14,105,239	14,164,455	14,223,180	14,220,564	
Cumulative Capacity Factor	75.2%	75.2%	75.2%	75.2%	75.2%	75.2%	75.2%	75.2%	75.2%	75.2%	75.2%	75.1%	75.1%	75.1%	75.1%	75.1%	
Cumulative fuel input, MMBtu HHV	179,792	180,523	181,253	181,995	182,739	183,480	184,223	184,968	185,710	186,463	187,200	187,923	188,649	189,370	190,090	190,068	
Cumulative gross output, kWhr	13,400,500	13,458,570	13,516,291	13,575,268	13,634,708	13,693,308	13,751,518	13,810,322	13,868,921	13,928,632	13,988,043	14,046,381	14,105,239	14,164,455	14,223,180	14,220,564	
Cumulative heat rate, Btu/kWe gross LHV	12,078	12,075	12,072	12,068	12,065	12,062	12,060	12,057	12,054	12,051	12,047	12,044	12,040	12,035	12,031	12,032	
Cumulative heat rate, Btu/kWe gross HHV	13,417	13,413	13,410	13,406	13,402	13,399	13,397	13,393	13,390	13,387	13,383	13,379	13,374	13,369	13,365	13,366	
Service																	
Engine 1																	
Engine 2																	
Engine 3																	
Engine 4																	
Oil - oil and filter change																	Gas analyzer
Service - plugs, air filter, valve inspection and adjust																	problem. Shut
																	down engines.
NSTAR Power Reports																	
Date	8/16/2010	8/17/2010	8/18/2010	8/19/2010	8/20/2010	8/21/2010	8/22/2010	8/23/2010	8/24/2010	8/25/2010	8/26/2010	8/27/2010	8/28/2010	8/29/2010	8/30/2010	8/31/2010	TOTAL
Hour																	
1	2,213	2,408	2,348	2,384	2,399	2,409	2,352	2,353	2,410	2,412	2,433	2,367	2,426	2,381	2,381	2,413	
2	2,215	2,407	2,346	2,384	2,399	2,409	2,352	2,353	2,410	2,413	2,433	2,367	2,427	2,382	2,380	2,415	
3	2,218	2,408	2,348	2,384	2,399	2,409	2,352	2,353	2,412	2,412	2,434	2,368	2,426	2,383	2,381	2,418	
4	2,190	2,407	2,349	2,384	2,399	2,411	2,351	2,353	2,412	2,412	2,434	2,368	2,427	2,382	2,382	2,418	
5	2,195	2,408	2,351	2,385	2,399	2,411	2,351	2,353	2,413	2,413	2,434	2,368	2,427	2,383	2,382	2,418	
6	2,201	2,408	2,352	2,387	2,398	2,411	2,351	2,355	2,411	2,413	2,435	2,370	2,427	2,382	2,383	2,422	
7	2,207	2,408	2,340	2,389	2,400	2,413	2,352	2,354	2,412	2,414	2,435	2,369	2,428	2,384	2,383	2,424	
8	2,240	2,407	2,335	2,388	2,401	2,410	2,353	2,354	2,411	2,414	2,434	2,370	2,414	2,383	2,383	2,422	
9	2,396	2,394	2,296	2,387	2,403	2,358	2,353	2,361	2,410	2,415	2,430	2,366	2,383	2,381	2,379	2,405	
10	2,398	2,328	2,194	2,381	2,407	2,352	2,353	2,401	2,371	2,415	2,431	2,362	2,381	2,380	2,376	2,350	
11	2,397	2,344	2,263	2,247	2,406	2,352	2,353	2,408	2,408	2,428	2,432	2,361	2,380	2,378	2,375	2,134	
12	2,388	2,342	2,378	2,397	2,404	2,352	2,352	2,409	2,408	2,431	2,430	2,361	2,379	2,377	2,373	1,757	
13	2,461	2,341	2,378	2,396	2,404	2,353	2,353	2,408	2,408	2,430	2,431	2,400	2,379	2,376	2,369	1,959	
14	2,414	2,340	2,380	2,396	2,405	2,351	2,354	2,408	2,408	2,429	2,431	2,423	2,378	2,376	2,288	2,057	
15	2,414	2,343	2,381	2,393	2,407	2,351	2,353	2,407	2,409	2,430	2,432	2,422	2,378	2,374	2,331	2,331	
16	2,416	2,353	2,384	2,396	2,407	2,352	2,354	2,412	2,412	2,433	2,432	2,423	2,378	2,376	2,396	2,326	
17	2,415	2,352	2,384	2,403	2,407	2,352	2,353	2,413	2,413	2,434	2,431	2,423	2,378	2,377	2,411	1,620	
18	2,411	2,351	2,385	2,402	2,407	2,352	2,354	2,412	2,412	2,434	2,431	2,423	2,378	2,377	2,403	2,231	
19	2,410	2,350	2,383	2,401	2,407	2,351	2,354	2,412	2,413	2,433	2,431	2,423	2,380	2,377	2,403	2,114	
20	2,411	2,350	2,384	2,399	2,407	2,350	2,353	2,411	2,412	2,432	2,431	2,423	2,381	2,378	2,409	2,338	
21	2,410	2,346	2,383	2,397	2,405	2,350	2,352	2,410	2,412	2,433	2,432	2,423	2,381	2,377	2,406	2,325	
22	2,408	2,347	2,383	2,398	2,405	2,350	2,351	2,410	2,412	2,433	2,377	2,425	2,380	2,378	2,412	2,314	
23	2,407	2,348	2,386	2,397	2,407	2,351	2,352	2,410	2,411	2,432	2,366	2,425	2,380	2,379	2,408	2,309	
24	2,408	2,347	2,385	2,398	2,408	2,350	2,353	2,410	2,411	2,433	2,367	2,425	2,381	2,379	2,411	2,302	
TOTAL	56,243	56,837	56,496	57,273	57,690	56,910	56,461	57,330	57,821	58,178	58,187	57,455	57,477	57,100	57,205	54,222	
Cumulative Output Sold, kWhr	890,956	947,793	1,004,289	1,061,562	1,119,252	1,176,162	1,232,623	1,289,953	1,347,774	1,405,952	1,464,139	1,521,594	1,579,071	1,636,171	1,693,376	1,747,598	
Transformer and line efficiency	99.9%	101.0%	100.9%	100.0%	100.1%	100.0%	99.9%	100.3%	101.6%	100.3%	100.8%	101.4%	100.5%	99.3%	100.3%	99.6%	0.0%
Hourly average	2,343	2,368	2,354	2,386	2,404	2,371	2,353	2,389	2,409	2,424	2,424	2,394	2,395	2,379	2,384	2,259	2,349

SEPTEMBER 2010																
CNBE Daily Reports Summary Data																
	Wednesday 9/1/2010	Thursday 9/2/2010	Friday 9/3/2010	Saturday 9/4/2010	Sunday 9/5/2010	Monday 9/6/2010	Tuesday 9/7/2010	Wednesday 9/8/2010	Thursday 9/9/2010	Friday 9/10/2010	Saturday 9/11/2010	Sunday 9/12/2010	Monday 9/13/2010	Tuesday 9/14/2010	Wednesday 9/15/2010	
Landfill Gas Flow to the Engines (KSCF)	1,368	1,391	1,384	1,391	1,421	1,439	1,417	1,407	1,431	1,442	1,449	1,436	1,263	1,428	1,442	
Landfill Gas Flow to the Engines (MMBTU HHV)	723	732	739	743	747	748	749	758	771	767	757	754	690	771	760	
Landfill Gas Flow to the Flare (KSCF)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Landfill Gas Flow to the Flare (MMBTU HHV)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Landfill Gas Total Flow (KSCF)	1,368	1,391	1,384	1,391	1,421	1,439	1,417	1,407	1,431	1,442	1,449	1,436	1,263	1,428	1,442	
Landfill Gas Total Flow (MMBTU HHV)	723	732	739	743	747	748	749	758	771	767	757	754	690	771	760	
Average Methane Content (%)	52.2	52.0	52.8	52.8	51.9	51.4	52.2	53.2	53.2	52.5	51.6	51.9	54.0	53.3	52.1	
Engine 1 Hours	24	24	24	24	24	24	24	24	24	24	24	24	18	24	24	
Engine 2 Hours	16	24	24	24	24	24	24	11	-	-	-	-	2	-	-	
Engine 3 Hours	7	-	-	-	-	-	-	14	24	24	24	24	19	24	24	
Engine 4 Hours	24	24	24	24	24	24	24	24	24	24	24	24	18	24	24	
Generator 1 Power Output (kWhr)	20,192	20,059	19,921	20,146	20,107	20,211	20,076	19,928	20,287	20,264	20,365	20,221	15,354	20,369	20,366	
Generator 2 Power Output (kWhr)	13,146	19,518	19,398	19,585	19,548	19,660	19,530	8,395	-	-	-	-	589	-	-	
Generator 3 Power Output (kWhr)	4,509	-	-	-	-	-	-	10,824	18,973	19,254	19,358	19,475	14,703	19,152	19,861	
Generator 4 Power Output (kWhr)	19,461	19,316	19,202	19,417	19,282	18,430	18,861	19,167	19,493	19,483	18,762	18,172	13,791	19,633	19,616	
Gross Power Output (kWhr)	57,579	59,270	58,981	59,547	59,231	58,569	58,796	58,694	59,194	59,504	59,058	58,294	44,754	59,611	60,329	
Net Power Output (kWhr)	55,857	57,509	57,269	57,857	57,563	56,895	57,107	57,001	57,561	57,860	57,477	56,748	43,583	58,041	58,729	
Power Sold as metered by NStar, (kWhr)	55,789	57,783	57,861	57,897	57,823	56,892	57,411	57,978	58,001	58,282	57,624	57,333	44,163	58,185	58,970	
Offgrid RECs (kWhr)	1,722	1,761	1,712	1,690	1,668	1,674	1,689	1,693	1,633	1,644	1,581	1,546	1,171	1,570	1,600	
Calculated Performance Results																
Daily																
Power output (kW average when running)																
Generator 1	841	836	830	839	838	842	837	830	845	844	849	843	853	849	849	
Generator 2	822	813	808	816	815	819	814	763	-	-	-	-	295	-	-	
Generator 3	644	-	-	-	-	-	-	773	791	802	807	811	774	798	828	
Generator 4	811	805	800	809	803	768	786	799	812	812	782	757	766	818	817	
Power output (kW average over 24-hrs)																
Facility Gross	2,399	2,470	2,458	2,481	2,468	2,440	2,450	2,446	2,466	2,479	2,461	2,429	1,865	2,484	2,514	
Facility Net	2,327	2,396	2,386	2,411	2,398	2,371	2,379	2,375	2,398	2,411	2,395	2,365	1,816	2,418	2,447	
In-plant load	72	73	71	70	70	70	70	71	68	69	66	64	49	65	67	
Daily availability factor																
Facility	74%	75%	75%	75%	75%	75%	75%	76%	75%	75%	75%	75%	59%	75%	75%	
Engine 1	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	75%	100%	100%	
Engine 2	67%	100%	100%	100%	100%	100%	100%	46%	0%	0%	0%	0%	8%	0%	0%	
Engine 3	29%	0%	0%	0%	0%	0%	0%	58%	100%	100%	100%	100%	79%	100%	100%	
Engine 4	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	75%	100%	100%	
Daily capacity factor																
Facility	73%	75%	74%	75%	75%	74%	74%	74%	75%	75%	75%	74%	57%	75%	76%	
Engine 1	102%	101%	101%	102%	102%	101%	101%	101%	102%	102%	102%	102%	103%	103%	103%	
Engine 2	100%	99%	98%	99%	99%	99%	99%	93%	0%	0%	0%	0%	36%	0%	0%	
Engine 3	78%	0%	0%	0%	0%	0%	0%	94%	96%	97%	98%	98%	94%	97%	100%	
Engine 4	98%	98%	97%	98%	97%	93%	95%	97%	98%	98%	95%	92%	93%	99%	99%	
Cumulative by engine																
Engine operating run hours in the month																
Max Cumulative Available, hours	24	48	72	96	120	144	168	192	216	240	264	288	312	336	360	
Engine 1	24	48	72	96	120	144	168	192	216	240	264	288	306	330	354	
Engine 2	16	40	64	88	112	136	160	171	171	171	171	171	173	173	173	
Engine 3	7	7	7	7	7	7	7	21	45	69	93	117	136	160	184	
Engine 4	24	48	72	96	120	144	168	192	216	240	264	288	306	330	354	
Engine operating run hours total from 0 hours																
Engine 1	40,761	40,785	40,809	40,833	40,857	40,881	40,905	40,929	40,953	40,977	41,001	41,025	41,043	41,067	41,091	
Engine 2	40,725	40,749	40,773	40,797	40,821	40,845	40,869	40,880	40,880	40,880	40,880	40,880	40,882	40,882	40,882	
Engine 3	39,791	39,791	39,791	39,791	39,791	39,791	39,791	39,805	39,829	39,853	39,877	39,901	39,920	39,944	39,968	
Engine 4	38,928	38,952	38,976	39,000	39,024	39,048	39,072	39,096	39,120	39,144	39,168	39,192	39,210	39,234	39,258	
Cumulative availability, %																
Engine 1	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	98%	98%	98%	
Engine 2	67%	83%	89%	92%	93%	94%	95%	89%	79%	71%	65%	59%	55%	51%	48%	
Engine 3	29%	15%	10%	7%	6%	5%	4%	11%	21%	29%	35%	41%	44%	48%	51%	
Engine 4	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	98%	98%	98%	
Engine cumulative gross output, kWhr																
Max cumulative capacity one engine	825	1,650	2,475	3,300	4,125	4,950	5,775	6,600	7,425	8,250	9,075	9,900	10,725	11,550	12,375	
Engine 1	841	1,677	2,507	3,347	4,184	5,027	5,863	6,693	7,539	8,383	9,232	10,074	10,927	11,776	12,624	
Engine 2	822	1,635	2,443	3,259	4,074	4,893	5,707	6,470	6,470	6,470	6,470	6,470	6,764	6,764	6,764	
Engine 3	644	644	644	644	644	644	644	1,417	2,208	3,010	3,817	4,628	5,402	6,200	7,028	
Engine 4	811	1,616	2,416	3,225	4,028	4,796	5,582	6,381	7,193	8,005	8,786	9,544	10,310	11,128	11,945	
Cumulative capacity factor, %																
Engine 1	102%	102%	101%	101%	101%	102%	102%	101%	102%	102%	102%	102%	102%	102%	102%	
Engine 2	100%	99%	99%	99%	99%	99%	99%	98%	87%	78%	71%	65%	63%	59%	55%	
Engine 3	78%	39%	26%	20%	16%	13%	11%	21%	30%	36%	42%	47%	50%	54%	57%	
Engine 4	98%	98%	98%	98%	98%	97%	97%	97%	97%	97%	97%	96%	96%	96%	97%	

	Wednesday 9/1/2010	Thursday 9/2/2010	Friday 9/3/2010	Saturday 9/4/2010	Sunday 9/5/2010	Monday 9/6/2010	Tuesday 9/7/2010	Wednesday 9/8/2010	Thursday 9/9/2010	Friday 9/10/2010	Saturday 9/11/2010	Sunday 9/12/2010	Monday 9/13/2010	Tuesday 9/14/2010	Wednesday 9/15/2010
Cumulative by Facility in month															
Max cumulative available engine run hours	96	192	288	384	480	576	672	768	864	960	1,056	1,152	1,248	1,344	1,440
Actual cumulative engine run hours	71	143	215	287	359	431	503	576	648	720	792	864	921	993	1,065
Cumulative Availability, %	74.0%	74.5%	74.7%	74.7%	74.8%	74.8%	74.9%	75.0%	75.0%	75.0%	75.0%	75.0%	73.8%	73.9%	74.0%
Max cumulative gross output, kWhr	79,200	158,400	237,600	316,800	396,000	475,200	554,400	633,600	712,800	792,000	871,200	950,400	1,029,600	1,108,800	1,188,000
Actual cumulative gross output, kWhr	57,579	116,849	175,830	235,377	294,608	353,177	411,973	470,667	529,861	589,365	648,423	706,717	751,471	811,082	871,411
Cumulative Capacity Factor	72.7%	73.8%	74.0%	74.3%	74.4%	74.3%	74.3%	74.3%	74.3%	74.4%	74.4%	74.4%	73.0%	73.1%	73.4%
Cumulative fuel input, MMBtu HHV	723	1,455	2,194	2,937	3,684	4,432	5,181	5,939	6,710	7,477	8,234	8,988	9,678	10,449	11,209
Cumulative gross output, kWhr	57,579	116,849	175,830	235,377	294,608	353,177	411,973	470,667	529,861	589,365	648,423	706,717	751,471	811,082	871,411
Heat Rate															
Daily heat rate, Btu/kWe gross LHV	11,303	11,118	11,279	11,232	11,353	11,497	11,468	11,626	11,725	11,603	11,539	11,644	13,883	11,643	11,340
Daily heat rate, Btu/kWe gross HHV	12,557	12,350	12,529	12,478	12,612	12,771	12,739	12,914	13,025	12,890	12,818	12,934	15,422	12,934	12,598
Cumulative heat rate, Btu/kWe gross LHV	11,303	11,209	11,233	11,233	11,257	11,297	11,321	11,359	11,400	11,420	11,431	11,449	11,594	11,597	11,580
Cumulative heat rate, Btu/kWe gross HHV	12,557	12,452	12,478	12,478	12,505	12,549	12,576	12,618	12,664	12,687	12,699	12,718	12,879	12,883	12,863
Cumulative by Facility starting Calendar Year															
Max cumulative available engine run hours	23,040	23,136	23,232	23,328	23,424	23,520	23,616	23,712	23,808	23,904	24,000	24,096	24,192	24,288	24,384
Actual cumulative engine run hours	20,233	20,305	20,377	20,449	20,521	20,593	20,665	20,738	20,810	20,882	20,954	21,026	21,083	21,155	21,227
Cumulative Availability, %	87.8%	87.8%	87.7%	87.7%	87.6%	87.6%	87.5%	87.5%	87.4%	87.4%	87.3%	87.3%	87.1%	87.1%	87.1%
Max cumulative gross output, kWhr	19,008,000	19,087,200	19,166,400	19,245,600	19,324,800	19,404,000	19,483,200	19,562,400	19,641,600	19,720,800	19,800,000	19,879,200	19,958,400	20,037,600	20,116,800
Actual cumulative gross output, kWhr	14,278,143	14,337,413	14,396,394	14,455,941	14,515,172	14,573,741	14,632,537	14,691,231	14,750,425	14,809,929	14,868,987	14,927,281	14,972,035	15,031,646	15,091,975
Cumulative Capacity Factor	75.1%	75.1%	75.1%	75.1%	75.1%	75.1%	75.1%	75.1%	75.1%	75.1%	75.1%	75.1%	75.1%	75.0%	75.0%
Cumulative fuel input, MMBtu HHV	190,791	191,523	192,262	193,005	193,752	194,500	195,249	196,007	196,778	197,545	198,302	199,056	199,746	200,517	201,277
Cumulative gross output, kWhr	14,278,143	14,337,413	14,396,394	14,455,941	14,515,172	14,573,741	14,632,537	14,691,231	14,750,425	14,809,929	14,868,987	14,927,281	14,972,035	15,031,646	15,091,975
Cumulative heat rate, Btu/kWe gross LHV	12,029	12,025	12,022	12,019	12,016	12,014	12,012	12,010	12,009	12,007	12,006	12,004	12,010	12,008	12,006
Cumulative heat rate, Btu/kWe gross HHV	13,362	13,358	13,355	13,351	13,348	13,346	13,343	13,342	13,341	13,339	13,337	13,335	13,341	13,340	13,337
Service															
Engine 1														Services	
Engine 2															
Engine 3															
Engine 4															
Oil - oil and filter change															
Service - plugs, air filter, valve inspection and adjustment															
NSTAR Power Reports															
Date	9/1/2010	9/2/2010	9/3/2010	9/4/2010	9/5/2010	9/6/2010	9/7/2010	9/8/2010	9/9/2010	9/10/2010	9/11/2010	9/12/2010	9/13/2010	9/14/2010	9/15/2010
Hour															
1	2,299	2,409	2,411	2,413	2,413	2,372	2,371	2,412	2,393	2,396	2,427	2,361	2,402	2,347	2,447
2	2,296	2,409	2,411	2,413	2,412	2,372	2,371	2,413	2,397	2,392	2,420	2,358	2,406	2,353	2,444
3	2,294	2,409	2,411	2,413	2,414	2,373	2,370	2,413	2,403	2,396	2,416	2,366	2,410	2,352	2,446
4	2,294	2,410	2,411	2,414	2,414	2,374	2,370	2,413	2,410	2,396	2,418	2,375	2,411	2,342	2,448
5	2,292	2,410	2,411	2,413	2,414	2,375	2,370	2,414	2,409	2,392	2,418	2,375	2,411	2,341	2,444
6	2,288	2,410	2,410	2,413	2,415	2,376	2,370	2,413	2,409	2,390	2,416	2,376	2,411	2,342	2,444
7	1,647	2,411	2,412	2,414	2,416	2,376	2,371	2,414	2,404	2,386	2,409	2,380	2,410	2,345	2,445
8	1,692	2,410	2,412	2,414	2,416	2,372	2,369	2,414	2,412	2,388	2,422	2,384	2,409	2,352	2,445
9	2,566	2,392	2,410	2,414	2,413	2,370	2,367	2,408	2,422	2,398	2,433	2,394	2,440	2,399	2,449
10	2,408	2,404	2,408	2,414	2,412	2,368	2,365	2,407	2,431	2,446	2,393	2,394	2,445	2,472	2,452
11	2,405	2,405	2,408	2,413	2,411	2,368	2,371	2,348	2,437	2,463	2,391	2,395	2,038	2,476	2,453
12	2,404	2,389	2,408	2,412	2,412	2,368	2,403	2,419	2,436	2,463	2,392	2,396	-	2,480	2,454
13	2,405	2,404	2,408	2,411	2,411	2,367	2,408	2,443	2,437	2,463	2,400	2,398	-	2,481	2,455
14	2,404	2,402	2,408	2,411	2,413	2,368	2,409	2,448	2,442	2,463	2,408	2,402	-	2,481	2,455
15	2,404	2,404	2,411	2,411	2,412	2,368	2,408	2,454	2,438	2,461	2,408	2,406	-	2,477	2,458
16	2,407	2,411	2,411	2,411	2,412	2,368	2,413	2,455	2,435	2,461	2,401	2,400	-	2,479	2,465
17	2,409	2,411	2,412	2,412	2,413	2,369	2,414	2,455	2,433	2,457	2,401	2,403	1,328	2,477	2,480
18	2,411	2,412	2,412	2,413	2,412	2,369	2,415	2,446	2,426	2,454	2,395	2,403	2,467	2,474	2,477
19	2,413	2,414	2,413	2,414	2,414	2,369	2,414	2,419	2,415	2,446	2,389	2,397	2,415	2,468	2,473
20	2,412	2,414	2,412	2,411	2,413	2,369	2,412	2,403	2,411	2,440	2,381	2,394	2,389	2,456	2,466
21	2,411	2,411	2,412	2,412	2,411	2,370	2,413	2,397	2,403	2,436	2,375	2,395	2,362	2,451	2,463
22	2,410	2,411	2,413	2,411	2,409	2,370	2,413	2,390	2,398	2,435	2,371	2,393	2,339	2,449	2,467
23	2,409	2,411	2,413	2,410	2,370	2,370	2,412	2,387	2,400	2,432	2,370	2,391	2,336	2,447	2,469
24	2,409	2,410	2,413	2,411	2,371	2,371	2,412	2,393	2,400	2,428	2,370	2,397	2,334	2,444	2,471
TOTAL	55,789	57,783	57,861	57,897	57,823	56,892	57,411	57,978	58,001	58,282	57,624	57,333	44,163	58,185	58,970
Cumulative Output Sold, kWhr	55,789	113,572	171,433	229,330	287,153	344,045	401,456	459,434	517,435	575,717	633,341	690,674	734,837	793,022	851,992
Transformer and line efficiency	99.9%	100.5%	101.0%	100.1%	100.5%	100.0%	100.5%	101.7%	100.8%	100.7%	100.3%	101.0%	101.3%	100.2%	100.4%
Hourly average	2,325	2,408	2,411	2,412	2,409	2,371	2,392	2,416	2,417	2,428	2,401	2,389	1,840	2,424	2,457

SEPTEMBER 2010																	
CNBE Daily Reports Summary Data																	
	Thursday 9/16/2010	Friday 9/17/2010	Saturday 9/18/2010	Sunday 9/19/2010	Monday 9/20/2010	Tuesday 9/21/2010	Wednesday 9/22/2010	Thursday 9/23/2010	Friday 9/24/2010	Saturday 9/25/2010	Sunday 9/26/2010	Monday 9/27/2010	Tuesday 9/28/2010	Wednesday 9/29/2010	Thursday 9/30/2010	TOTAL	
Landfill Gas Flow to the Engines (KSCF)	1,454	1,437	1,439	1,418	1,418	1,427	1,411	1,422	1,405	1,400	1,409	1,425	1,411	1,411	1,417	42,415	
Landfill Gas Flow to the Engines (MMBTU HHV)	761	737	745	747	747	740	741	738	744	737	731	739	733	720	725	22,294	
Landfill Gas Flow to the Flare (KSCF)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Landfill Gas Flow to the Flare (MMBTU HHV)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Landfill Gas Total Flow (KSCF)	1,454	1,437	1,439	1,418	1,418	1,427	1,411	1,422	1,405	1,400	1,409	1,425	1,411	1,411	1,417	42,415	
Landfill Gas Total Flow (MMBTU HHV)	761	737	745	747	747	740	741	738	744	737	731	739	733	720	725	22,294	
Average Methane Content (%)	51.7	50.7	51.2	52.0	52.0	51.3	51.9	51.3	52.3	52.0	51.3	51.2	51.3	50.4	50.6	51.9	
Engine 1 Hours	24	19	24	24	24	23	24	24	24	24	24	24	24	24	24	708	
Engine 2 Hours	-	5	-	-	-	2	-	-	-	-	-	-	-	-	-	180	
Engine 3 Hours	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	544	
Engine 4 Hours	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	714	
Generator 1 Power Output (kWhr)	20,190	15,087	20,357	20,463	20,463	18,653	20,338	20,498	20,333	20,407	20,213	20,359	20,368	19,887	20,235	595,717	
Generator 2 Power Output (kWhr)	-	3,337	-	-	-	840	-	-	-	-	-	-	-	-	-	143,546	
Generator 3 Power Output (kWhr)	20,235	19,118	20,109	20,510	20,510	19,855	19,853	19,953	20,165	20,067	19,436	20,192	20,506	20,061	20,472	447,151	
Generator 4 Power Output (kWhr)	19,710	19,335	18,891	18,439	18,439	19,510	19,623	18,739	19,010	19,424	18,573	19,186	19,624	19,279	19,388	569,256	
Gross Power Output (kWhr)	60,680	57,233	59,647	59,677	59,677	59,190	60,130	59,504	59,820	60,231	58,501	60,056	60,808	59,562	60,421	1,766,548	
Net Power Output (kWhr)	59,108	55,630	58,069	58,082	58,082	57,522	58,513	57,881	58,175	58,609	57,043	58,478	59,053	57,827	58,664	1,717,793	
Power Sold as metered by NStar, (kWhr)	59,034	55,549	58,363	58,272	58,342	57,647	58,984	57,881	58,678	58,935	57,944	58,920	59,485	58,297	58,711	1,727,034	
Offgrid RECs (kWhr)	1,572	1,603	1,578	1,595	1,595	1,668	1,617	1,623	1,645	1,622	1,458	1,578	1,755	1,735	1,757	48,755	
Calculated Performance Results																	
Daily																	
Power output (kW average when running)																	
Generator 1	841	794	848	853	853	811	847	854	847	850	842	848	849	829	843		
Generator 2	-	667	-	-	-	420	-	-	-	-	-	-	-	-	-		
Generator 3	843	797	838	855	855	827	827	831	840	836	810	841	854	836	853		
Generator 4	821	806	787	768	768	813	818	781	792	809	774	799	818	803	808		
Power output (kW average over 24-hrs)																	
Facility Gross	2,528	2,385	2,485	2,487	2,487	2,466	2,505	2,479	2,493	2,510	2,438	2,502	2,534	2,482	2,518		
Facility Net	2,463	2,318	2,420	2,420	2,420	2,397	2,438	2,412	2,424	2,442	2,377	2,437	2,461	2,409	2,444		
In-plant load	66	67	66	66	66	70	67	68	69	68	61	66	73	72	73		
Daily availability factor																	
Facility	75%	75%	75%	75%	75%	76%	75%	75%	75%	75%	75%	75%	75%	75%	75%		
Engine 1	100%	79%	100%	100%	100%	96%	100%	100%	100%	100%	100%	100%	100%	100%	100%		
Engine 2	0%	21%	0%	0%	0%	8%	0%	0%	0%	0%	0%	0%	0%	0%	0%		
Engine 3	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%		
Engine 4	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%		
Daily capacity factor																	
Facility	77%	72%	75%	75%	75%	75%	76%	75%	76%	76%	74%	76%	77%	75%	76%		
Engine 1	102%	96%	103%	103%	103%	98%	103%	104%	103%	103%	102%	103%	103%	100%	102%		
Engine 2	0%	81%	0%	0%	0%	51%	0%	0%	0%	0%	0%	0%	0%	0%	0%		
Engine 3	102%	97%	102%	104%	104%	100%	100%	101%	102%	101%	98%	102%	104%	101%	103%		
Engine 4	100%	98%	95%	93%	93%	99%	99%	95%	96%	98%	94%	97%	99%	97%	98%		
Cumulative by engine																	
Engine operating run hours in the month																	
Max Cumulative Available, hours	384	408	432	456	480	504	528	552	576	600	624	648	672	696	720		
Engine 1	378	397	421	445	469	492	516	540	564	588	612	636	660	684	708		
Engine 2	173	178	178	178	178	180	180	180	180	180	180	180	180	180	180		
Engine 3	208	232	256	280	304	328	352	376	400	424	448	472	496	520	544		
Engine 4	378	402	426	450	474	498	522	546	570	594	618	642	666	690	714		
Engine operating run hours total from 0 hours																	
Engine 1	41,115	41,134	41,158	41,182	41,206	41,229	41,253	41,277	41,301	41,325	41,349	41,373	41,397	41,421	41,445		
Engine 2	40,882	40,887	40,887	40,887	40,887	40,889	40,889	40,889	40,889	40,889	40,889	40,889	40,889	40,889	40,889		
Engine 3	39,992	40,016	40,040	40,064	40,088	40,112	40,136	40,160	40,184	40,208	40,232	40,256	40,280	40,304	40,328		
Engine 4	39,282	39,306	39,330	39,354	39,378	39,402	39,426	39,450	39,474	39,498	39,522	39,546	39,570	39,594	39,618		
Cumulative availability, %																	
Engine 1	98%	97%	97%	98%	98%	98%	98%	98%	98%	98%	98%	98%	98%	98%	98%		
Engine 2	45%	44%	41%	39%	37%	36%	34%	33%	31%	30%	29%	28%	27%	26%	25%		
Engine 3	54%	57%	59%	61%	63%	65%	67%	68%	69%	71%	72%	73%	74%	75%	76%		
Engine 4	98%	99%	99%	99%	99%	99%	99%	99%	99%	99%	99%	99%	99%	99%	99%		
Engine cumulative gross output, kWhr																	
Max cumulative capacity one engine	13,200	14,025	14,850	15,675	16,500	17,325	18,150	18,975	19,800	20,625	21,450	22,275	23,100	23,925	24,750		
Engine 1	13,466	14,260	15,108	15,960	16,813	17,624	18,472	19,326	20,173	21,023	21,865	22,714	23,562	24,391	25,234		
Engine 2	6,764	7,432	7,432	7,432	7,432	7,852	7,852	7,852	7,852	7,852	7,852	7,852	7,852	7,852	7,852		
Engine 3	7,871	8,667	9,505	10,360	11,214	12,042	12,869	13,700	14,540	15,376	16,186	17,028	17,882	18,718	19,571		
Engine 4	12,766	13,572	14,359	15,127	15,896	16,709	17,526	18,307	19,099	19,908	20,682	21,482	22,299	23,103	23,911		
Cumulative capacity factor, %																	
Engine 1	102%	102%	102%	102%	102%	102%	102%	102%	102%	102%	102%	102%	102%	102%	102%		
Engine 2	51%	53%	50%	47%	45%	45%	43%	41%	40%	38%	37%	35%	34%	33%	32%		
Engine 3	60%	62%	64%	66%	68%	70%	71%	72%	73%	75%	75%	76%	77%	78%	79%		
Engine 4	97%	97%	97%	97%	96%	96%	97%	96%	96%	97%	96%	96%	97%	97%	97%		

	Thursday 9/16/2010	Friday 9/17/2010	Saturday 9/18/2010	Sunday 9/19/2010	Monday 9/20/2010	Tuesday 9/21/2010	Wednesday 9/22/2010	Thursday 9/23/2010	Friday 9/24/2010	Saturday 9/25/2010	Sunday 9/26/2010	Monday 9/27/2010	Tuesday 9/28/2010	Wednesday 9/29/2010	Thursday 9/30/2010	TOTAL
Cumulative by Facility in month																
Max cumulative available engine run hours	1,536	1,632	1,728	1,824	1,920	2,016	2,112	2,208	2,304	2,400	2,496	2,592	2,688	2,784	2,880	
Actual cumulative engine run hours	1,137	1,209	1,281	1,353	1,425	1,498	1,570	1,642	1,714	1,786	1,858	1,930	2,002	2,074	2,146	
Cumulative Availability, %	74.0%	74.1%	74.1%	74.2%	74.2%	74.3%	74.3%	74.4%	74.4%	74.4%	74.4%	74.5%	74.5%	74.5%	74.5%	
Max cumulative gross output, kWhr	1,267,200	1,346,400	1,425,600	1,504,800	1,584,000	1,663,200	1,742,400	1,821,600	1,900,800	1,980,000	2,059,200	2,138,400	2,217,600	2,296,800	2,376,000	
Actual cumulative gross output, kWhr	932,091	989,324	1,048,971	1,108,648	1,168,325	1,227,515	1,287,645	1,347,149	1,406,969	1,467,200	1,525,701	1,585,757	1,646,565	1,706,127	1,766,548	
Cumulative Capacity Factor	73.6%	73.5%	73.6%	73.7%	73.8%	73.8%	73.9%	74.0%	74.0%	74.1%	74.1%	74.2%	74.2%	74.3%	74.3%	
Cumulative fuel input, MMBtu HHV	11,970	12,707	13,452	14,199	14,946	15,686	16,427	17,165	17,909	18,646	19,377	20,116	20,849	21,569	22,294	
Cumulative gross output, kWhr	932,091	989,324	1,048,971	1,108,648	1,168,325	1,227,515	1,287,645	1,347,149	1,406,969	1,467,200	1,525,701	1,585,757	1,646,565	1,706,127	1,766,548	
Heat Rate																
Daily heat rate, Btu/kWe gross LHV	11,290	11,592	11,244	11,268	11,268	11,254	11,093	11,165	11,196	11,015	11,248	11,077	10,851	10,882	10,802	
Daily heat rate, Btu/kWe gross HHV	12,541	12,877	12,490	12,517	12,517	12,502	12,323	12,403	12,437	12,236	12,496	12,305	12,054	12,088	11,999	
Cumulative heat rate, Btu/kWe gross LHV	11,561	11,562	11,544	11,529	11,516	11,503	11,484	11,470	11,459	11,440	11,433	11,420	11,399	11,380	11,361	
Cumulative heat rate, Btu/kWe gross HHV	12,842	12,844	12,824	12,808	12,793	12,779	12,758	12,742	12,729	12,709	12,701	12,686	12,662	12,642	12,620	
Cumulative by Facility starting Calendar Year																
Max cumulative available engine run hours	24,480	24,576	24,672	24,768	24,864	24,960	25,056	25,152	25,248	25,344	25,440	25,536	25,632	25,728	25,824	
Actual cumulative engine run hours	21,299	21,371	21,443	21,515	21,587	21,660	21,732	21,804	21,876	21,948	22,020	22,092	22,164	22,236	22,308	
Cumulative Availability, %	87.0%	87.0%	86.9%	86.9%	86.8%	86.8%	86.7%	86.7%	86.6%	86.6%	86.6%	86.5%	86.5%	86.4%	86.4%	
Max cumulative gross output, kWhr	20,196,000	20,275,200	20,354,400	20,433,600	20,512,800	20,592,000	20,671,200	20,750,400	20,829,600	20,908,800	20,988,000	21,067,200	21,146,400	21,225,600	21,304,800	
Actual cumulative gross output, kWhr	15,152,655	15,209,888	15,269,535	15,329,212	15,388,889	15,448,079	15,508,209	15,567,713	15,627,533	15,687,764	15,746,265	15,806,321	15,867,129	15,926,691	15,987,112	
Cumulative Capacity Factor	75.0%	75.0%	75.0%	75.0%	75.0%	75.0%	75.0%	75.0%	75.0%	75.0%	75.0%	75.0%	75.0%	75.0%	75.0%	
Cumulative fuel input, MMBtu HHV	202,038	202,775	203,520	204,267	205,014	205,754	206,495	207,233	207,977	208,714	209,445	210,184	210,917	211,637	212,362	
Cumulative gross output, kWhr	15,152,655	15,209,888	15,269,535	15,329,212	15,388,889	15,448,079	15,508,209	15,567,713	15,627,533	15,687,764	15,746,265	15,806,321	15,867,129	15,926,691	15,987,112	
Cumulative heat rate, Btu/kWe gross LHV	12,003	12,001	11,998	11,995	11,993	11,990	11,986	11,983	11,980	11,976	11,974	11,970	11,966	11,962	11,958	
Cumulative heat rate, Btu/kWe gross HHV	13,334	13,332	13,329	13,325	13,322	13,319	13,315	13,312	13,308	13,304	13,301	13,297	13,293	13,288	13,283	
Service																
Engine 1		Fix LFG well.														
Engine 2						Cyl 8 head requires repair										
Engine 3																
Engine 4																
Oil - oil and filter change																
Service - plugs, air filter, valve inspection and adjust																
NSTAR Power Reports																
Date	Thursday 9/16/2010	Friday 9/17/2010	Saturday 9/18/2010	Sunday 9/19/2010	Monday 9/20/2010	Tuesday 9/21/2010	Wednesday 9/22/2010	Thursday 9/23/2010	Friday 9/24/2010	Saturday 9/25/2010	Sunday 9/26/2010	Monday 9/27/2010	Tuesday 9/28/2010	Wednesday 9/29/2010	Thursday 9/30/2010	TOTAL
Hour																
1	2,471	2,380	2,458	2,414	2,429	2,425	2,438	2,451	2,408	2,461	2,437	2,399	2,486	2,470	2,431	
2	2,475	2,390	2,454	2,417	2,428	2,435	2,447	2,448	2,411	2,460	2,438	2,402	2,483	2,466	2,430	
3	2,477	2,416	2,452	2,417	2,429	2,435	2,451	2,447	2,414	2,460	2,436	2,405	2,482	2,463	2,432	
4	2,479	2,426	2,449	2,421	2,429	2,436	2,451	2,446	2,418	2,460	2,437	2,423	2,482	2,463	2,436	
5	2,476	2,416	2,446	2,422	2,429	2,430	2,451	2,428	2,418	2,460	2,437	2,432	2,482	2,462	2,438	
6	2,476	2,403	2,447	2,422	2,429	2,427	2,451	2,389	2,419	2,459	2,437	2,432	2,483	2,461	2,440	
7	2,477	2,381	2,449	2,421	2,427	2,428	2,450	2,388	2,421	2,460	2,437	2,431	2,483	2,460	2,442	
8	2,484	2,213	2,452	2,424	2,425	2,438	2,450	2,389	2,420	2,460	2,439	2,422	2,483	2,407	2,441	
9	2,498	2,267	2,463	2,430	2,424	2,219	2,453	2,397	2,439	2,461	2,422	2,455	2,480	2,378	2,443	
10	2,503	778	2,429	2,428	2,420	2,063	2,454	2,410	2,459	2,458	2,407	2,465	2,478	2,364	2,442	
11	2,501	1,949	2,422	2,427	2,418	2,237	2,459	2,410	2,460	2,459	2,408	2,464	2,474	2,375	2,441	
12	2,493	2,419	2,427	2,427	2,418	2,428	2,463	2,411	2,458	2,460	2,406	2,464	2,471	2,375	2,436	
13	2,492	2,423	2,425	2,435	2,419	2,430	2,466	2,408	2,457	2,461	2,409	2,465	2,473	2,418	2,445	
14	2,491	2,418	2,428	2,438	2,429	2,429	2,471	2,408	2,461	2,464	2,407	2,466	2,472	2,411	2,438	
15	2,490	2,331	2,425	2,441	2,455	2,438	2,476	2,413	2,461	2,466	2,407	2,474	2,476	2,416	2,456	
16	2,490	2,438	2,419	2,437	2,454	2,439	2,473	2,411	2,461	2,463	2,402	2,479	2,479	2,445	2,455	
17	2,488	2,434	2,420	2,439	2,454	2,437	2,474	2,410	2,464	2,461	2,400	2,480	2,480	2,444	2,457	
18	2,452	2,428	2,418	2,436	2,444	2,438	2,469	2,410	2,463	2,457	2,399	2,480	2,481	2,438	2,458	
19	2,392	2,429	2,414	2,433	2,438	2,436	2,467	2,404	2,462	2,451	2,397	2,479	2,481	2,435	2,458	
20	2,393	2,433	2,416	2,432	2,431	2,437	2,460	2,403	2,461	2,445	2,395	2,478	2,478	2,432	2,459	
21	2,391	2,430	2,415	2,430	2,427	2,439	2,456	2,397	2,461	2,442	2,395	2,478	2,477	2,428	2,458	
22	2,388	2,439	2,412	2,427	2,429	2,439	2,453	2,398	2,461	2,441	2,397	2,480	2,474	2,428	2,458	
23	2,380	2,453	2,410	2,426	2,430	2,444	2,452	2,402	2,460	2,434	2,398	2,482	2,473	2,429	2,458	
24	2,377	2,455	2,413	2,428	2,427	2,440	2,449	2,403	2,461	2,432	2,397	2,485	2,474	2,429	2,459	
TOTAL	59,034	55,549	58,363	58,272	58,342	57,647	58,984	57,881	58,678	58,935	57,944	58,920	59,485	58,297	58,711	
Cumulative Output Sold, kWhr	911,026	966,575	1,024,938	1,083,210	1,141,552	1,199,199	1,258,183	1,316,064	1,374,742	1,433,677	1,491,621	1,550,541	1,610,026	1,668,323	1,727,034	
Transformer and line efficiency	99.9%	99.9%	100.5%	100.3%	100.4%	100.2%	100.8%	100.0%	100.9%	100.6%	101.6%	100.8%	100.7%	100.8%	100.1%	0.0%
Hourly average	2,460	2,315	2,432	2,428	2,431	2,402	2,458	2,412	2,445	2,456	2,414	2,455	2,479	2,429	2,446	2,399

OCTOBER 2010																
CNBE Daily Reports Summary Data																
	Friday 10/1/2010	Saturday 10/2/2010	Sunday 10/3/2010	Monday 10/4/2010	Tuesday 10/5/2010	Wednesday 10/6/2010	Thursday 10/7/2010	Friday 10/8/2010	Saturday 10/9/2010	Sunday 10/10/2010	Monday 10/11/2010	Tuesday 10/12/2010	Wednesday 10/13/2010	Thursday 10/14/2010	Friday 10/15/2010	
Landfill Gas Flow to the Engines (KSCF)	1,421	1,435	1,450	1,431	1,442	1,444	1,406	1,466	1,483	1,484	1,452	1,046	1,445	1,447	1,451	
Landfill Gas Flow to the Engines (MMBTU HHV)	740	743	744	744	753	749	751	764	763	766	745	550	787	788	812	
Landfill Gas Flow to the Flare (KSCF)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Landfill Gas Flow to the Flare (MMBTU HHV)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Landfill Gas Total Flow (KSCF)	1,421	1,435	1,450	1,431	1,442	1,444	1,406	1,466	1,483	1,484	1,452	1,046	1,445	1,447	1,451	
Landfill Gas Total Flow (MMBTU HHV)	740	743	744	744	753	749	751	764	763	766	745	550	787	788	812	
Average Methane Content (%)	51.5	51.1	50.7	51.4	51.6	51.2	52.8	51.5	50.8	51.0	50.7	52.0	53.8	53.8	55.3	
Engine 1 Hours	24	24	24	24	24	24	23	24	24	24	24	24	24	24	24	
Engine 2 Hours	-	-	-	-	-	14	24	24	24	24	10	-	3	1	7	
Engine 3 Hours	24	24	24	24	24	24	24	24	24	24	23	23	24	24	24	
Engine 4 Hours	24	24	24	24	24	12	4	-	-	-	16	24	24	24	24	
Generator 1 Power Output (kWhr)	20,318	20,165	20,158	19,976	20,141	19,994	18,446	20,334	20,387	20,218	20,302	18,441	20,067	20,204	20,188	
Generator 2 Power Output (kWhr)	-	-	-	-	-	10,667	17,920	19,659	19,620	19,421	7,196	-	943	-	139	
Generator 3 Power Output (kWhr)	20,315	19,427	19,401	19,522	19,705	20,115	18,302	18,860	19,161	18,839	18,158	16,580	19,553	20,189	20,551	
Generator 4 Power Output (kWhr)	19,785	19,799	19,798	19,605	19,776	9,235	1,849	-	-	-	12,217	17,066	19,322	19,688	19,721	
Gross Power Output (kWhr)	60,726	59,705	59,685	59,395	59,909	60,399	56,970	59,355	59,721	59,038	58,185	52,399	60,043	60,200	60,810	
Net Power Output (kWhr)	59,022	58,117	58,113	57,799	58,221	58,699	55,402	57,689	58,062	57,392	56,546	50,893	58,348	58,537	59,091	
Power Sold as metered by NStar, (kWhr)	58,907	58,418	58,437	58,640	58,554	58,915	56,290	57,406	57,932	57,760	56,830	51,452	58,644	58,726	59,062	
Offgrid RECs (kWhr)	1,704	1,588	1,572	1,596	1,688	1,700	1,568	1,666	1,659	1,646	1,639	1,506	1,695	1,663	1,719	
Calculated Performance Results																
Daily																
Power output (kW average when running)																
Generator 1	847	840	840	832	839	833	802	847	849	842	846	768	836	842	841	
Generator 2	-	-	-	-	-	762	747	819	818	809	720	-	314	-	20	
Generator 3	846	809	808	813	821	838	763	786	798	785	789	721	815	841	856	
Generator 4	824	825	825	817	824	770	462	-	-	-	764	711	805	820	822	
Power output (kW average over 24-hrs)																
Facility Gross	2,530	2,488	2,487	2,475	2,496	2,517	2,374	2,473	2,488	2,460	2,424	2,183	2,502	2,508	2,534	
Facility Net	2,459	2,422	2,421	2,408	2,426	2,446	2,308	2,404	2,419	2,391	2,356	2,121	2,431	2,439	2,462	
In-plant load	71	66	66	67	70	71	65	69	69	69	68	63	71	69	72	
Daily availability factor																
Facility	75%	75%	75%	75%	75%	77%	78%	75%	75%	75%	76%	74%	78%	76%	82%	
Engine 1	100%	100%	100%	100%	100%	100%	96%	100%	100%	100%	100%	100%	100%	100%	100%	
Engine 2	0%	0%	0%	0%	0%	58%	100%	100%	100%	100%	42%	0%	13%	4%	29%	
Engine 3	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	96%	96%	100%	100%	100%	
Engine 4	100%	100%	100%	100%	100%	50%	17%	0%	0%	0%	67%	100%	100%	100%	100%	
Daily capacity factor																
Facility	77%	75%	75%	75%	76%	76%	72%	75%	75%	75%	73%	66%	76%	76%	77%	
Engine 1	103%	102%	102%	101%	102%	101%	97%	103%	103%	102%	103%	93%	101%	102%	102%	
Engine 2	0%	0%	0%	0%	0%	92%	91%	99%	99%	98%	87%	0%	38%	0%	2%	
Engine 3	103%	98%	98%	99%	100%	102%	92%	95%	97%	95%	96%	87%	99%	102%	104%	
Engine 4	100%	100%	100%	99%	100%	93%	56%	0%	0%	0%	93%	86%	98%	99%	100%	
Cumulative by engine																
Engine operating run hours in the month																
Max Cumulative Available, hours	24	48	72	96	120	144	168	192	216	240	264	288	312	336	360	
Engine 1	24	48	72	96	120	144	167	191	215	239	263	287	311	335	359	
Engine 2	0	0	0	0	0	14	38	62	86	110	120	120	123	124	131	
Engine 3	24	48	72	96	120	144	168	192	216	240	263	286	310	334	358	
Engine 4	24	48	72	96	120	132	136	136	136	136	152	176	200	224	248	
Engine operating run hours total from 0 hours																
Engine 1	41,470	41,494	41,518	41,542	41,566	41,590	41,613	41,637	41,661	41,685	41,709	41,733	41,757	41,781	41,805	
Engine 2	40,906	40,906	40,906	40,906	40,906	40,920	40,944	40,968	40,992	41,016	41,026	41,026	41,029	41,030	41,037	
Engine 3	40,335	40,359	40,383	40,407	40,431	40,455	40,479	40,503	40,527	40,551	40,574	40,597	40,621	40,645	40,669	
Engine 4	39,647	39,671	39,695	39,719	39,743	39,755	39,759	39,759	39,759	39,759	39,775	39,799	39,823	39,847	39,871	
Cumulative availability, %																
Engine 1	100%	100%	100%	100%	100%	100%	99%	99%	100%	100%	100%	100%	100%	100%	100%	
Engine 2	0%	0%	0%	0%	0%	10%	23%	32%	40%	46%	45%	42%	39%	37%	36%	
Engine 3	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	99%	99%	99%	99%	
Engine 4	100%	100%	100%	100%	100%	92%	81%	71%	63%	57%	58%	61%	64%	67%	69%	
Engine cumulative gross output, kWhr																
Max cumulative capacity one engine	825	1,650	2,475	3,300	4,125	4,950	5,775	6,600	7,425	8,250	9,075	9,900	10,725	11,550	12,375	
Engine 1	847	1,687	2,527	3,359	4,198	5,031	5,833	6,681	7,530	8,372	9,218	9,987	10,823	11,665	12,506	
Engine 2	-	-	-	-	-	762	1,509	2,328	3,145	3,954	4,674	4,674	4,988	4,988	5,008	
Engine 3	846	1,656	2,464	3,278	4,099	4,937	5,699	6,485	7,284	8,069	8,858	9,579	10,394	11,235	12,091	
Engine 4	824	1,649	2,474	3,291	4,115	4,885	5,347	5,347	5,347	5,347	6,111	6,822	7,627	8,447	9,269	
Cumulative capacity factor, %																
Engine 1	103%	102%	102%	102%	102%	102%	101%	101%	101%	101%	102%	101%	101%	101%	101%	
Engine 2	0%	0%	0%	0%	0%	15%	26%	35%	42%	48%	52%	47%	47%	43%	40%	
Engine 3	103%	100%	100%	99%	99%	100%	99%	98%	98%	98%	98%	97%	97%	97%	98%	
Engine 4	100%	100%	100%	100%	100%	99%	93%	81%	72%	65%	67%	69%	71%	73%	75%	

	Friday 10/1/2010	Saturday 10/2/2010	Sunday 10/3/2010	Monday 10/4/2010	Tuesday 10/5/2010	Wednesday 10/6/2010	Thursday 10/7/2010	Friday 10/8/2010	Saturday 10/9/2010	Sunday 10/10/2010	Monday 10/11/2010	Tuesday 10/12/2010	Wednesday 10/13/2010	Thursday 10/14/2010	Friday 10/15/2010
Cumulative by Facility in month															
Max cumulative available engine run hours	96	192	288	384	480	576	672	768	864	960	1,056	1,152	1,248	1,344	1,440
Actual cumulative engine run hours	72	144	216	288	360	434	509	581	653	725	798	869	944	1,017	1,096
Cumulative Availability, %	75.0%	75.0%	75.0%	75.0%	75.0%	75.3%	75.7%	75.7%	75.6%	75.5%	75.6%	75.4%	75.6%	75.7%	76.1%
Max cumulative gross output, kWhr	79,200	158,400	237,600	316,800	396,000	475,200	554,400	633,600	712,800	792,000	871,200	950,400	1,029,600	1,108,800	1,188,000
Actual cumulative gross output, kWhr	60,726	120,431	180,116	239,511	299,420	359,819	416,789	476,144	535,865	594,903	653,088	705,487	765,530	825,730	886,540
Cumulative Capacity Factor	76.7%	76.0%	75.8%	75.6%	75.6%	75.6%	75.2%	75.1%	75.2%	75.1%	75.0%	74.2%	74.4%	74.5%	74.6%
Cumulative fuel input, MMBtu HHV	740	1,483	2,227	2,971	3,724	4,473	5,224	5,988	6,751	7,517	8,262	8,812	9,599	10,387	11,199
Cumulative gross output, kWhr	60,726	120,431	180,116	239,511	299,420	359,819	416,789	476,144	535,865	594,903	653,088	705,487	765,530	825,730	886,540
Heat Rate															
Daily heat rate, Btu/kWe gross LHV	10,970	11,203	11,221	11,276	11,315	11,163	11,867	11,587	11,501	11,680	11,526	9,449	11,799	11,785	12,020
Daily heat rate, Btu/kWe gross HHV	12,186	12,445	12,465	12,526	12,569	12,401	13,182	12,872	12,776	12,975	12,804	10,496	13,107	13,091	13,353
Cumulative heat rate, Btu/kWe gross LHV	10,970	11,085	11,130	11,166	11,196	11,191	11,283	11,321	11,341	11,375	11,388	11,244	11,288	11,324	11,372
Cumulative heat rate, Btu/kWe gross HHV	12,186	12,314	12,364	12,404	12,437	12,431	12,534	12,576	12,598	12,636	12,651	12,491	12,539	12,579	12,632
Cumulative by Facility starting Calendar Year															
Max cumulative available engine run hours	25,920	26,016	26,112	26,208	26,304	26,400	26,496	26,592	26,688	26,784	26,880	26,976	27,072	27,168	27,264
Actual cumulative engine run hours	22,380	22,452	22,524	22,596	22,668	22,742	22,817	22,889	22,961	23,033	23,106	23,177	23,252	23,325	23,404
Cumulative Availability, %	86.3%	86.3%	86.3%	86.2%	86.2%	86.1%	86.1%	86.1%	86.0%	86.0%	86.0%	85.9%	85.9%	85.9%	85.8%
Max cumulative gross output, kWhr	21,384,000	21,463,200	21,542,400	21,621,600	21,700,800	21,780,000	21,859,200	21,938,400	22,017,600	22,096,800	22,176,000	22,255,200	22,334,400	22,413,600	22,492,800
Actual cumulative gross output, kWhr	16,047,838	16,107,543	16,167,228	16,226,623	16,286,532	16,346,931	16,403,901	16,463,256	16,522,977	16,582,015	16,640,200	16,692,599	16,752,642	16,812,842	16,873,652
Cumulative Capacity Factor	75.0%	75.0%	75.0%	75.0%	75.1%	75.1%	75.0%	75.0%	75.0%	75.0%	75.0%	75.0%	75.0%	75.0%	75.0%
Cumulative fuel input, MMBtu HHV	213,102	213,845	214,589	215,333	216,086	216,835	217,586	218,350	219,113	219,879	220,624	221,174	221,961	222,749	223,561
Cumulative gross output, kWhr	16,047,838	16,107,543	16,167,228	16,226,623	16,286,532	16,346,931	16,403,901	16,463,256	16,522,977	16,582,015	16,640,200	16,692,599	16,752,642	16,812,842	16,873,652
Cumulative heat rate, Btu/kWe gross LHV	11,954	11,951	11,948	11,946	11,944	11,941	11,940	11,939	11,938	11,937	11,935	11,927	11,927	11,927	11,927
Cumulative heat rate, Btu/kWe gross HHV	13,279	13,276	13,273	13,270	13,268	13,265	13,264	13,263	13,261	13,260	13,259	13,250	13,249	13,249	13,249
Service															
Engine 1															
Engine 2															
Engine 3							Texjet sticking: eng swing				ICE system install	ICE system install	ICE system install	ICE system install	
Engine 4															
Oil - oil and filter change					3 of 5 wells connected							Last 2 of 5 wells connected			
Service - plugs, air filter, valve inspection and adjustment															
NSTAR Power Reports															
Date	10/1/2010	10/2/2010	10/3/2010	10/4/2010	10/5/2010	10/6/2010	10/7/2010	10/8/2010	10/9/2010	10/10/2010	10/11/2010	10/12/2010	10/13/2010	10/14/2010	10/15/2010
Hour															
1	2,458	2,453	2,430	2,441	2,448	2,429	2,445	2,303	2,436	2,367	2,411	2,425	2,402	2,436	2,459
2	2,458	2,452	2,427	2,440	2,448	2,430	2,445	2,291	2,434	2,372	2,409	2,427	2,397	2,434	2,462
3	2,458	2,444	2,426	2,442	2,449	2,433	2,446	2,280	2,424	2,376	2,410	2,430	2,391	2,435	2,464
4	2,459	2,438	2,429	2,447	2,451	2,438	2,445	2,293	2,426	2,379	2,410	2,430	2,396	2,439	2,468
5	2,458	2,433	2,431	2,444	2,451	2,440	2,445	2,308	2,423	2,385	2,410	2,429	2,396	2,440	2,468
6	2,458	2,432	2,431	2,447	2,450	2,441	2,447	2,309	2,420	2,384	2,404	2,428	2,396	2,443	2,461
7	2,460	2,433	2,432	2,449	2,444	2,444	2,450	2,305	2,418	2,386	2,394	2,427	2,397	2,443	2,460
8	2,460	2,437	2,432	2,447	2,443	2,443	2,450	2,307	2,416	2,387	2,392	2,425	2,394	2,443	2,460
9	2,459	2,435	2,436	2,442	2,443	2,447	2,447	2,331	2,422	2,401	2,349	2,143	2,452	2,446	2,454
10	2,457	2,431	2,435	2,440	2,439	2,450	2,473	2,425	2,418	2,405	2,407	1,649	2,459	2,454	2,456
11	2,461	2,432	2,431	2,441	2,437	2,597	2,601	2,435	2,421	2,416	2,423	2,084	2,461	2,453	2,455
12	2,460	2,432	2,429	2,443	2,434	2,523	2,589	2,440	2,424	2,422	2,429	973	2,453	2,448	2,461
13	2,458	2,434	2,433	2,440	2,435	2,457	2,054	2,443	2,424	2,424	2,430	977	2,445	2,452	2,462
14	2,456	2,435	2,439	2,440	2,436	2,459	806	2,448	2,427	2,425	2,434	980	2,480	2,446	2,465
15	2,458	2,435	2,441	2,441	2,439	2,460	2,373	2,451	2,428	2,430	2,437	1,631	2,477	2,444	2,456
16	2,458	2,430	2,441	2,444	2,441	2,455	2,428	2,455	2,423	2,431	2,433	2,415	2,618	2,446	2,455
17	2,450	2,428	2,444	2,447	2,442	2,451	2,431	2,458	2,421	2,434	2,433	2,413	2,643	2,447	2,459
18	2,447	2,422	2,443	2,446	2,439	2,450	2,414	2,458	2,414	2,431	2,429	2,411	2,416	2,452	2,458
19	2,443	2,427	2,437	2,441	2,434	2,448	2,387	2,452	2,402	2,427	2,301	2,395	2,422	2,450	2,523
20	2,442	2,433	2,437	2,442	2,433	2,445	2,366	2,447	2,394	2,423	1,637	2,399	2,427	2,451	2,446
21	2,443	2,431	2,441	2,443	2,431	2,445	2,348	2,445	2,391	2,419	2,149	2,388	2,429	2,452	2,455
22	2,445	2,431	2,439	2,444	2,429	2,444	2,344	2,443	2,383	2,414	2,445	2,379	2,430	2,455	2,447
23	2,452	2,430	2,436	2,443	2,428	2,442	2,337	2,440	2,374	2,411	2,431	2,389	2,429	2,457	2,457
24	2,449	2,430	2,437	2,446	2,430	2,444	2,319	2,439	2,369	2,411	2,423	2,405	2,434	2,460	2,451
TOTAL	58,907	58,418	58,437	58,640	58,554	58,915	56,290	57,406	57,932	57,760	56,830	51,452	58,644	58,726	59,062
Cumulative Output Sold, kWhr	58,907	117,325	175,762	234,402	292,956	351,871	408,161	465,567	523,499	581,259	638,089	689,541	748,185	806,911	865,973
Transformer and line efficiency	99.8%	100.5%	100.6%	101.5%	100.6%	100.4%	101.6%	99.5%	99.8%	100.6%	100.5%	101.1%	100.5%	100.3%	100.0%
Hourly average	2,454	2,434	2,435	2,443	2,440	2,455	2,345	2,392	2,414	2,407	2,368	2,144	2,444	2,447	2,461

OCTOBER 2010																		
CNBE Daily Reports Summary Data																		
	Saturday 10/16/2010	Sunday 10/17/2010	Monday 10/18/2010	Tuesday 10/19/2010	Wednesday 10/20/2010	Thursday 10/21/2010	Friday 10/22/2010	Saturday 10/23/2010	Sunday 10/24/2010	Monday 10/25/2010	Tuesday 10/26/2010	Wednesday 10/27/2010	Thursday 10/28/2010	Friday 10/29/2010	Saturday 10/30/2010	Sunday 10/31/2010	TOTAL	
Landfill Gas Flow to the Engines (KSCF)	1,474	1,443	1,170	1,381	1,508	1,536	1,465	1,455	1,462	1,433	1,446	1,460	1,452	1,372	1,354	758	43,470	
Landfill Gas Flow to the Engines (MMBTU HHV)	798	782	647	770	818	804	755	762	761	757	762	766	768	724	717	406	22,996	
Landfill Gas Flow to the Flare (KSCF)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	530	530	
Landfill Gas Flow to the Flare (MMBTU HHV)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	315	315	
Landfill Gas Total Flow (KSCF)	1,474	1,443	1,170	1,381	1,508	1,536	1,465	1,455	1,462	1,433	1,446	1,460	1,452	1,372	1,354	1,288	44,000	
Landfill Gas Total Flow (MMBTU HHV)	798	782	647	770	818	804	755	762	761	757	762	766	768	724	717	721	23,311	
Average Methane Content (%)	53.5	53.5	54.6	55.0	53.6	51.7	50.9	51.8	51.4	52.2	52.1	51.8	52.2	52.1	52.3	55.3	52.3	
Engine 1 Hours	24	23	22	24	24	24	24	24	24	12	-	-	12	22	22	12	652	
Engine 2 Hours	10	-	5	1	15	24	8	-	-	14	24	24	24	23	22	12	337	
Engine 3 Hours	24	23	17	21	24	24	24	24	24	24	24	24	24	23	22	12	716	
Engine 4 Hours	24	23	22	24	24	24	24	24	24	24	24	24	13	-	-	-	546	
Generator 1 Power Output (kWhr)	19,671	19,256	16,217	19,827	19,550	18,093	18,440	20,144	20,148	9,731	-	-	8,902	17,640	17,279	8,855	533,092	
Generator 2 Power Output (kWhr)	3,570	3,495	59	20	3,311	5,429	1,955	-	-	10,665	20,080	19,849	19,666	16,533	16,138	8,455	224,790	
Generator 3 Power Output (kWhr)	19,683	19,268	12,386	16,848	19,490	18,725	18,693	19,720	19,774	19,891	20,581	20,526	20,066	16,646	16,218	8,025	575,218	
Generator 4 Power Output (kWhr)	16,441	16,094	16,476	19,250	18,731	17,365	18,252	19,442	19,457	19,018	19,830	19,100	10,112	-	-	-	427,429	
Gross Power Output (kWhr)	59,552	58,296	45,308	56,239	61,493	59,953	57,626	59,407	59,764	59,643	60,860	59,711	59,160	51,177	49,918	25,643	1,770,290	
Net Power Output (kWhr)	57,761	56,543	44,005	54,624	59,689	58,094	55,841	57,726	58,040	58,135	59,438	58,090	57,394	49,684	48,615	24,874	1,720,484	
Power Sold as metered by NStar, (kWhr)	58,295	57,066	44,327	54,700	59,783	58,390	56,209	58,000	58,039	58,427	58,987	58,103	57,710	49,977	49,050	24,899	1,727,935	
Offgrid RECs (kWhr)	1,791	1,753	1,303	1,615	1,804	1,859	1,785	1,681	1,724	1,508	1,422	1,621	1,766	1,493	1,303	769	49,806	
Calculated Performance Results																		
Daily																		
Power output (kW average when running)																		
Generator 1	820	837	737	826	815	754	768	839	840	811	-	-	742	802	785	738		
Generator 2	357	-	12	20	221	226	244	-	-	762	837	827	819	719	734	705		
Generator 3	820	838	729	802	812	780	779	822	824	829	858	855	836	724	737	669		
Generator 4	685	700	749	802	780	724	761	810	811	792	826	796	778	-	-	-		
Power output (kW average over 24-hrs)																		
Facility Gross	2,481	2,429	1,888	2,343	2,562	2,498	2,401	2,475	2,490	2,485	2,536	2,488	2,465	2,132	2,080	1,068		
Facility Net	2,407	2,356	1,834	2,276	2,487	2,421	2,327	2,405	2,418	2,422	2,477	2,420	2,391	2,070	2,026	1,036		
In-plant load	75	73	54	67	75	77	74	70	72	63	59	68	74	62	54	32		
Daily availability factor																		
Facility	85%	72%	69%	73%	91%	100%	83%	75%	75%	77%	75%	75%	76%	71%	69%	38%		
Engine 1	100%	96%	92%	100%	100%	100%	100%	100%	100%	50%	0%	0%	50%	92%	92%	50%		
Engine 2	42%	0%	21%	4%	63%	100%	33%	0%	0%	58%	100%	100%	100%	96%	92%	50%		
Engine 3	100%	96%	71%	88%	100%	100%	100%	100%	100%	100%	100%	100%	100%	96%	92%	50%		
Engine 4	100%	96%	92%	100%	100%	100%	100%	100%	100%	100%	100%	100%	54%	0%	0%	0%		
Daily capacity factor																		
Facility	75%	74%	57%	71%	78%	76%	73%	75%	75%	75%	77%	75%	75%	65%	63%	32%		
Engine 1	99%	101%	89%	100%	99%	91%	93%	102%	98%	98%	0%	0%	90%	95%	98%	89%		
Engine 2	43%	0%	1%	2%	27%	27%	30%	0%	0%	92%	101%	100%	99%	87%	89%	85%		
Engine 3	99%	102%	88%	97%	98%	95%	94%	100%	100%	100%	104%	104%	101%	88%	89%	81%		
Engine 4	83%	85%	91%	97%	95%	88%	92%	98%	98%	96%	100%	96%	94%	0%	0%	0%		
Cumulative by engine																		
Engine operating run hours in the month																		
Max Cumulative Available, hours	384	408	432	456	480	504	528	552	576	600	624	648	672	696	720	720		
Engine 1	383	406	428	452	476	500	524	548	572	584	584	584	596	618	640	630		
Engine 2	141	141	146	147	162	186	194	194	194	208	232	256	280	303	325	315		
Engine 3	382	405	422	443	467	491	515	539	563	587	611	635	659	682	704	694		
Engine 4	272	295	317	341	365	389	413	437	461	485	509	533	546	546	546	546		
Engine operating run hours total from 0 hours																		
Engine 1	41,829	41,852	41,874	41,898	41,922	41,946	41,970	41,994	42,018	42,030	42,030	42,030	42,042	42,064	42,086	42,076		
Engine 2	41,047	41,047	41,052	41,053	41,068	41,092	41,100	41,100	41,100	41,114	41,138	41,162	41,186	41,209	41,231	41,221		
Engine 3	40,693	40,716	40,733	40,754	40,778	40,802	40,826	40,850	40,874	40,898	40,922	40,946	40,970	40,993	41,015	41,005		
Engine 4	39,895	39,918	39,940	39,964	39,988	40,012	40,036	40,060	40,084	40,108	40,132	40,156	40,169	40,169	40,169	40,169		
Cumulative availability, %																		
Engine 1	100%	100%	99%	99%	99%	99%	99%	99%	99%	97%	94%	90%	89%	89%	89%	88%		
Engine 2	37%	35%	34%	32%	34%	37%	37%	35%	34%	35%	37%	40%	42%	44%	45%	44%		
Engine 3	99%	99%	98%	97%	97%	97%	98%	98%	98%	98%	98%	98%	98%	98%	98%	96%		
Engine 4	71%	72%	73%	75%	76%	77%	78%	79%	80%	81%	82%	82%	81%	78%	76%	76%		
Engine cumulative gross output, kWhr																		
Max cumulative capacity one engine	13,200	14,025	14,850	15,675	16,500	17,325	18,150	18,975	19,800	20,625	21,450	22,275	23,100	23,925	24,750	24,750		
Engine 1	13,326	14,163	14,900	15,726	16,541	17,294	18,063	18,902	19,742	20,553	20,553	20,553	21,294	22,096	22,882	22,834		
Engine 2	5,365	5,365	5,377	5,397	5,618	5,844	6,088	6,088	6,088	6,850	7,687	8,514	9,333	10,052	10,786	10,757		
Engine 3	12,911	13,749	14,478	15,280	16,092	16,872	17,651	18,473	19,297	20,125	20,983	21,838	22,674	23,398	24,135	24,067		
Engine 4	9,954	10,654	11,402	12,205	12,985	13,709	14,469	15,279	16,090	16,882	17,708	18,504	19,282	19,282	19,282	19,282		
Cumulative capacity factor, %																		
Engine 1	101%	101%	100%	100%	100%	100%	100%	100%	100%	100%	96%	92%	92%	92%	92%	92%		
Engine 2	41%	38%	36%	34%	34%	34%	34%	32%	31%	33%	36%	38%	40%	42%	44%	43%		
Engine 3	98%	98%	97%	97%	98%	97%	97%	97%	97%	98%	98%	98%	98%	98%	98%	97%		
Engine 4	75%	76%	77%	78%	79%	79%	80%	81%	81%	82%	83%	83%	83%	81%	78%	78%		

	Saturday 10/16/2010	Sunday 10/17/2010	Monday 10/18/2010	Tuesday 10/19/2010	Wednesday 10/20/2010	Thursday 10/21/2010	Friday 10/22/2010	Saturday 10/23/2010	Sunday 10/24/2010	Monday 10/25/2010	Tuesday 10/26/2010	Wednesday 10/27/2010	Thursday 10/28/2010	Friday 10/29/2010	Saturday 10/30/2010	Sunday 10/31/2010	TOTAL
Cumulative by Facility in month																	
Max cumulative available engine run hours	1,536	1,632	1,728	1,824	1,920	2,016	2,112	2,208	2,304	2,400	2,496	2,592	2,688	2,784	2,880	2,880	
Actual cumulative engine run hours	1,178	1,247	1,313	1,383	1,470	1,566	1,646	1,718	1,790	1,864	1,936	2,008	2,081	2,149	2,215	2,185	
Cumulative Availability, %	76.7%	76.4%	76.0%	75.8%	76.6%	77.7%	77.9%	77.8%	77.7%	77.7%	77.6%	77.5%	77.4%	77.2%	76.9%	75.9%	
Max cumulative gross output, kWhr	1,267,200	1,346,400	1,425,600	1,504,800	1,584,000	1,663,200	1,742,400	1,821,600	1,900,800	1,980,000	2,059,200	2,138,400	2,217,600	2,296,800	2,376,000	2,376,000	
Actual cumulative gross output, kWhr	946,092	1,004,388	1,049,696	1,105,935	1,167,428	1,227,381	1,285,007	1,344,414	1,404,178	1,463,821	1,524,681	1,584,392	1,643,552	1,694,729	1,744,647	1,720,372	
Cumulative Capacity Factor	74.7%	74.6%	73.6%	73.5%	73.7%	73.8%	73.7%	73.8%	73.9%	73.9%	74.0%	74.1%	74.1%	73.8%	73.4%	72.4%	
Cumulative fuel input, MMBtu HHV	11,997	12,779	13,426	14,195	15,013	15,817	16,572	17,335	18,096	18,852	19,614	20,381	21,148	21,872	22,589	22,279	
Cumulative gross output, kWhr	946,092	1,004,388	1,049,696	1,105,935	1,167,428	1,227,381	1,285,007	1,344,414	1,404,178	1,463,821	1,524,681	1,584,392	1,643,552	1,694,729	1,744,647	1,720,372	
Heat Rate																	
Daily heat rate, Btu/kWe gross LHV	12,069	12,069	12,847	12,317	11,976	12,069	11,796	11,553	11,466	11,421	11,271	11,550	11,680	12,737	12,930	14,263	
Daily heat rate, Btu/kWe gross HHV	13,407	13,407	14,271	13,683	13,304	13,407	13,103	12,834	12,737	12,687	12,521	12,830	12,975	14,149	14,364	15,844	
Cumulative heat rate, Btu/kWe gross LHV	11,416	11,453	11,514	11,554	11,577	11,601	11,609	11,607	11,601	11,594	11,581	11,580	11,583	11,618	11,656	11,657	
Cumulative heat rate, Btu/kWe gross HHV	12,681	12,723	12,790	12,835	12,860	12,887	12,897	12,894	12,887	12,879	12,865	12,863	12,867	12,906	12,948	12,950	
Cumulative by Facility starting Calendar Year																	
Max cumulative available engine run hours	27,360	27,456	27,552	27,648	27,744	27,840	27,936	28,032	28,128	28,224	28,320	28,416	28,512	28,608	28,704	28,704	
Actual cumulative engine run hours	23,486	23,555	23,621	23,691	23,778	23,874	23,954	24,026	24,098	24,172	24,244	24,316	24,389	24,457	24,523	24,493	
Cumulative Availability, %	85.8%	85.8%	85.7%	85.7%	85.7%	85.8%	85.7%	85.7%	85.7%	85.6%	85.6%	85.6%	85.5%	85.5%	85.4%	85.3%	
Max cumulative gross output, kWhr	22,572,000	22,651,200	22,730,400	22,809,600	22,888,800	22,968,000	23,047,200	23,126,400	23,205,600	23,284,800	23,364,000	23,443,200	23,522,400	23,601,600	23,680,800	23,680,800	
Actual cumulative gross output, kWhr	16,933,204	16,991,500	17,036,808	17,093,047	17,154,540	17,214,493	17,272,119	17,331,526	17,391,290	17,450,933	17,511,793	17,571,504	17,630,664	17,681,841	17,731,759	17,707,484	
Cumulative Capacity Factor	75.0%	75.0%	75.0%	74.9%	74.9%	74.9%	74.9%	74.9%	74.9%	74.9%	75.0%	75.0%	75.0%	74.9%	74.9%	74.8%	
Cumulative fuel input, MMBtu HHV	224,360	225,141	225,788	226,557	227,376	228,179	228,934	229,697	230,458	231,215	231,977	232,743	233,510	234,235	234,952	234,641	
Cumulative gross output, kWhr	16,933,204	16,991,500	17,036,808	17,093,047	17,154,540	17,214,493	17,272,119	17,331,526	17,391,290	17,450,933	17,511,793	17,571,504	17,630,664	17,681,841	17,731,759	17,707,484	
Cumulative heat rate, Btu/kWe gross LHV	11,927	11,928	11,930	11,932	11,932	11,932	11,932	11,930	11,929	11,927	11,925	11,924	11,923	11,925	11,928	11,928	
Cumulative heat rate, Btu/kWe gross HHV	13,250	13,250	13,253	13,254	13,255	13,255	13,255	13,253	13,251	13,249	13,247	13,245	13,245	13,247	13,250	13,251	
Service																	
Engine 1												Service					
Engine 2										Rob Rosen, Charlie B fix fuel system							
Engine 3												Service					
Engine 4																	
Oil - oil and filter change		NStar												NStar trip	NStar trip (2)	NStar trip	
Service - plugs, air filter, valve inspection and adjust		overfrequency spike								Flow calibration				Communication failure			
NSTAR Power Reports																	
Date	10/16/2010	10/17/2010	10/18/2010	10/19/2010	10/20/2010	10/21/2010	10/22/2010	10/23/2010	10/24/2010	10/25/2010	10/26/2010	10/27/2010	10/28/2010	10/29/2010	10/30/2010	10/31/2010	TOTAL
Hour																	
1	2,454	2,470	-	2,328	2,404	2,480	2,367	2,403	2,397	2,431	2,484	2,420	2,442	2,372	2,310	2,385	
2	2,447	2,468	-	2,322	2,403	2,472	2,369	2,402	2,399	2,433	2,484	2,421	2,446	2,367	2,328	2,379	
3	2,446	2,469	509	2,325	2,405	2,465	2,372	2,404	2,404	2,437	2,481	2,423	2,447	2,364	2,322	2,374	
4	2,449	2,468	845	2,335	2,414	2,467	2,376	2,408	2,406	2,441	2,479	2,424	2,445	2,366	2,320	2,367	
5	2,448	2,468	995	2,339	2,416	2,469	2,374	2,414	2,403	2,438	2,482	2,426	2,445	2,364	2,316	2,364	
6	2,444	2,468	969	2,336	2,416	2,468	2,368	2,414	2,403	2,437	2,471	2,425	2,414	2,362	2,305	2,355	
7	2,440	2,471	1,333	2,333	2,418	2,462	2,365	2,410	2,404	2,441	2,465	2,421	2,409	1,992	2,300	2,349	
8	2,439	2,472	1,647	2,338	2,417	2,463	2,360	2,409	2,407	2,438	2,465	2,420	2,410	-	2,304	2,346	
9	2,448	2,476	2,236	2,385	2,424	2,476	2,301	2,414	2,408	2,443	2,464	2,422	2,409	-	2,327	2,348	
10	2,448	2,486	2,437	2,417	2,498	2,480	2,116	2,421	2,411	2,434	2,468	2,437	2,411	652	842	2,358	
11	2,449	2,486	2,426	2,080	2,659	2,474	2,139	2,426	2,418	2,444	2,484	2,404	2,408	2,195	421	1,274	
12	2,652	2,485	2,419	1,193	2,592	2,434	2,151	2,429	2,424	2,176	2,475	2,392	2,406	2,423	2,153	-	
13	2,006	2,490	2,409	1,595	2,574	2,414	2,160	2,431	2,419	2,281	2,460	2,398	2,383	2,410	2,483	-	
14	2,223	2,492	2,408	2,220	2,572	2,422	2,338	2,436	2,423	2,452	2,467	2,405	2,396	2,408	2,491	-	
15	2,724	2,493	2,399	2,444	2,568	2,418	2,439	2,430	2,430	2,452	2,475	2,442	2,391	2,444	2,478	-	
16	2,620	2,492	2,393	2,432	2,552	2,425	2,421	2,434	2,428	2,473	2,472	2,264	2,390	2,425	2,466	-	
17	2,443	2,491	2,386	2,425	2,554	2,412	2,416	2,431	2,435	2,474	2,463	2,448	2,386	2,402	2,453	-	
18	2,192	2,490	2,379	2,422	2,549	2,401	2,409	2,427	2,429	2,475	2,426	2,442	2,385	2,388	2,445	-	
19	2,440	2,479	2,370	2,413	2,534	2,391	2,400	2,414	2,432	2,469	2,425	2,446	2,390	2,372	1,204	-	
20	2,560	2,469	2,367	2,404	2,492	2,386	2,392	2,411	2,435	2,473	2,424	2,439	2,388	2,358	299	-	
21	2,491	2,467	2,361	2,405	2,486	2,384	2,392	2,411	2,428	2,464	2,420	2,441	2,385	2,344	1,632	-	
22	2,457	2,463	2,350	2,407	2,482	2,381	2,399	2,411	2,428	2,469	2,419	2,452	2,383	2,329	2,054	-	
23	2,483	2,465	2,347	2,401	2,477	2,376	2,402	2,403	2,435	2,474	2,416	2,447	2,373	2,320	2,400	-	
24	2,092	88	2,342	2,401	2,477	2,370	2,404	2,398	2,433	2,478	2,418	2,444	2,368	2,320	2,397	-	
TOTAL	58,295	57,066	44,327	54,700	59,783	58,390	56,209	58,000	58,039	58,427	58,987	58,103	57,710	49,977	49,050	24,899	
Cumulative Output Sold, kWhr	924,268	981,334	1,025,661	1,080,361	1,140,144	1,198,534	1,254,743	1,312,743	1,370,782	1,429,209	1,488,196	1,546,299	1,604,009	1,653,986	1,703,036	1,727,935	
Transformer and line efficiency	100.9%	100.9%	100.7%	100.1%	100.2%	100.5%	100.7%	100.5%	100.0%	100.5%	99.2%	100.0%	100.6%	100.6%	100.9%	100.1%	0.0%
Hourly average	2,429	2,378	1,847	2,279	2,491	2,433	2,342	2,417	2,418	2,434	2,458	2,421	2,405	2,082	2,044	1,037	2,322

NOVEMBER 2010							DST 25 hrs									
CNBE Daily Reports Summary Data																
	Monday 11/1/2010	Tuesday 11/2/2010	Wednesday 11/3/2010	Thursday 11/4/2010	Friday 11/5/2010	Saturday 11/6/2010		Sunday 11/7/2010	Monday 11/8/2010	Tuesday 11/9/2010	Wednesday 11/10/2010	Thursday 11/11/2010	Friday 11/12/2010	Saturday 11/13/2010	Sunday 11/14/2010	Monday 11/15/2010
Landfill Gas Flow to the Engines (KSCF)	261	1,426	1,441	1,322	1,351	1,431	1,488	1,428	1,433	1,455	1,466	1,387	1,425	1,465	1,358	
Landfill Gas Flow to the Engines (MMBTU HHV)	148	782	776	715	753	770	803	790	765	778	770	728	767	783	739	
Landfill Gas Flow to the Flare (KSCF)	1,008	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Landfill Gas Flow to the Flare (MMBTU HHV)	600	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Landfill Gas Total Flow (KSCF)	1,269	1,426	1,441	1,322	1,351	1,431	1,488	1,428	1,433	1,455	1,466	1,387	1,425	1,465	1,358	
Landfill Gas Total Flow (MMBTU HHV)	748	782	776	715	753	770	803	790	765	778	770	728	767	783	739	
Average Methane Content (%)	58.2	54.2	53.2	53.5	55.1	53.2	53.4	54.7	52.8	52.8	51.9	51.9	53.2	52.8	53.8	
Engine 1 Hours	5	24	24	23	24	24	25	24	24	24	24	23	24	24	24	
Engine 2 Hours	2	1	1	3	1	-	-	-	5	-	-	-	-	-	-	
Engine 3 Hours	5	24	24	23	24	24	25	24	24	24	24	23	24	24	24	
Engine 4 Hours	4	24	24	22	24	24	25	24	24	24	24	23	24	24	19	
Generator 1 Power Output (kWhr)	3,465	19,872	20,078	16,891	18,598	20,105	20,887	20,123	19,670	20,057	20,166	18,720	20,084	20,252	19,776	
Generator 2 Power Output (kWhr)	94	-	173	67	-	-	-	-	106	-	-	-	-	-	-	
Generator 3 Power Output (kWhr)	3,484	19,435	19,587	16,821	18,425	19,025	19,876	20,111	19,442	19,340	19,425	18,374	19,832	19,725	19,501	
Generator 4 Power Output (kWhr)	2,532	19,385	19,433	15,696	17,902	19,364	20,078	19,350	19,124	19,533	19,670	18,609	19,595	19,780	14,934	
Gross Power Output (kWhr)	10,028	59,053	59,570	49,782	55,330	58,834	61,139	59,875	58,684	59,248	59,578	56,023	59,847	60,113	54,611	
Net Power Output (kWhr)	9,366	57,614	58,006	48,480	54,117	57,450	59,699	58,465	57,212	57,625	57,957	54,622	58,320	58,490	53,211	
Power Sold as metered by NStar, (kWhr)	9,306	57,906	58,216	48,119	53,994	57,653	60,193	58,701	58,487	57,968	57,848	54,762	58,505	58,132	53,759	
Offgrid RECs (kWhr)	662	1,439	1,564	1,302	1,213	1,384	1,440	1,410	1,472	1,623	1,621	1,401	1,527	1,623	1,400	
Calculated Performance Results																
Daily																
Power output (kW average when running)																
Generator 1	693	828	837	734	775	838	835	838	820	836	840	814	837	844	824	
Generator 2	47	-	173	22	-	-	-	-	21	-	-	-	-	-	-	
Generator 3	697	810	816	731	768	793	795	838	810	806	809	799	826	822	813	
Generator 4	633	808	810	713	746	807	803	806	797	814	820	809	816	824	786	
Power output (kW average over 24-hrs)																
Facility Gross	418	2,461	2,482	2,074	2,305	2,451	2,446	2,495	2,445	2,469	2,482	2,334	2,494	2,505	2,275	
Facility Net	390	2,401	2,417	2,020	2,255	2,394	2,388	2,436	2,384	2,401	2,415	2,276	2,430	2,437	2,217	
In-plant load	28	60	65	54	51	58	58	59	61	68	68	58	64	68	58	
Daily availability factor																
Facility	17%	76%	76%	74%	76%	75%	75%	75%	80%	75%	75%	72%	75%	75%	70%	
Engine 1	21%	100%	100%	96%	100%	100%	100%	100%	100%	100%	100%	96%	100%	100%	100%	
Engine 2	8%	4%	4%	13%	4%	0%	0%	0%	21%	0%	0%	0%	0%	0%	0%	
Engine 3	21%	100%	100%	96%	100%	100%	100%	100%	100%	100%	100%	96%	100%	100%	100%	
Engine 4	17%	100%	100%	92%	100%	100%	100%	100%	100%	100%	100%	96%	100%	100%	79%	
Daily capacity factor																
Facility	13%	75%	75%	63%	70%	74%	74%	76%	74%	75%	75%	71%	76%	76%	69%	
Engine 1	84%	100%	101%	89%	94%	102%	101%	102%	99%	101%	102%	99%	101%	102%	100%	
Engine 2	6%	0%	21%	3%	0%	0%	0%	0%	0%	3%	0%	0%	0%	0%	0%	
Engine 3	84%	98%	99%	89%	93%	96%	96%	102%	98%	98%	98%	97%	100%	100%	98%	
Engine 4	77%	98%	98%	86%	90%	98%	97%	98%	97%	99%	99%	98%	99%	100%	95%	
Cumulative by engine																
Engine operating run hours in the month																
Max Cumulative Available, hours	24	48	72	96	120	144	168	192	216	240	264	288	312	336	360	
Engine 1	5	29	53	76	100	124	149	173	197	221	245	268	292	316	340	
Engine 2	2	3	4	7	8	8	8	8	13	13	13	13	13	13	13	
Engine 3	5	29	53	76	100	124	149	173	197	221	245	268	292	316	340	
Engine 4	4	28	52	74	98	122	147	171	195	219	243	266	290	314	333	
Engine operating run hours total from 0 hours																
Engine 1	42,119	42,143	42,167	42,190	42,214	42,238	42,263	42,287	42,311	42,335	42,359	42,382	42,406	42,430	42,454	
Engine 2	41,300	41,301	41,302	41,305	41,306	41,306	41,306	41,306	41,311	41,311	41,311	41,311	41,311	41,311	41,311	
Engine 3	41,049	41,073	41,097	41,120	41,144	41,168	41,193	41,217	41,241	41,265	41,289	41,312	41,336	41,360	41,384	
Engine 4	40,170	40,194	40,218	40,240	40,264	40,288	40,313	40,337	40,361	40,385	40,409	40,432	40,456	40,480	40,499	
Cumulative availability, %																
Engine 1	21%	60%	74%	79%	83%	86%	89%	90%	91%	92%	93%	93%	94%	94%	94%	
Engine 2	8%	6%	6%	7%	7%	6%	5%	4%	6%	5%	5%	5%	4%	4%	4%	
Engine 3	21%	60%	74%	79%	83%	86%	89%	90%	91%	92%	93%	93%	94%	94%	94%	
Engine 4	17%	58%	72%	77%	82%	85%	88%	89%	90%	91%	92%	92%	93%	93%	93%	
Engine cumulative gross output, kWhr																
Max cumulative capacity one engine	825	1,650	2,475	3,300	4,125	4,950	5,775	6,600	7,425	8,250	9,075	9,900	10,725	11,550	12,375	
Engine 1	693	1,521	2,358	3,092	3,867	4,705	5,540	6,379	7,198	8,034	8,874	9,688	10,525	11,369	12,193	
Engine 2	47	47	220	242	242	242	242	242	264	264	264	264	264	264	264	
Engine 3	697	1,507	2,323	3,054	3,822	4,614	5,410	6,247	7,058	7,863	8,673	9,472	10,298	11,120	11,932	
Engine 4	633	1,441	2,250	2,964	3,710	4,517	5,320	6,126	6,923	7,737	8,556	9,365	10,182	11,006	11,792	
Cumulative capacity factor, %																
Engine 1	84%	92%	95%	94%	94%	95%	96%	97%	97%	97%	98%	98%	98%	98%	99%	
Engine 2	6%	3%	9%	7%	6%	5%	4%	4%	4%	3%	3%	3%	2%	2%	2%	
Engine 3	84%	91%	94%	93%	93%	93%	94%	95%	95%	95%	96%	96%	96%	96%	96%	
Engine 4	77%	87%	91%	90%	90%	91%	92%	93%	93%	94%	94%	95%	95%	95%	95%	

	Monday 11/1/2010	Tuesday 11/2/2010	Wednesday 11/3/2010	Thursday 11/4/2010	Friday 11/5/2010	Saturday 11/6/2010	Sunday 11/7/2010	Monday 11/8/2010	Tuesday 11/9/2010	Wednesday 11/10/2010	Thursday 11/11/2010	Friday 11/12/2010	Saturday 11/13/2010	Sunday 11/14/2010	Monday 11/15/2010
Cumulative by Facility in month															
Max cumulative available engine run hours	96	192	288	384	480	576	672	768	864	960	1,056	1,152	1,248	1,344	1,440
Actual cumulative engine run hours	16	89	162	233	306	378	453	525	602	674	746	815	887	959	1,026
Cumulative Availability, %	16.7%	46.4%	56.3%	60.7%	63.8%	65.6%	67.4%	68.4%	69.7%	70.2%	70.6%	70.7%	71.1%	71.4%	71.3%
Max cumulative gross output, kWhr	79,200	158,400	237,600	316,800	396,000	475,200	554,400	633,600	712,800	792,000	871,200	950,400	1,029,600	1,108,800	1,188,000
Actual cumulative gross output, kWhr	10,028	69,081	128,651	178,433	233,763	292,597	353,736	413,611	472,295	531,543	591,121	647,144	706,991	767,104	821,715
Cumulative Capacity Factor	12.7%	43.6%	54.1%	56.3%	59.0%	61.6%	63.8%	65.3%	66.3%	67.1%	67.9%	68.1%	68.7%	69.2%	69.2%
Cumulative fuel input, MMBtu HHV	148	930	1,706	2,421	3,174	3,944	4,747	5,537	6,302	7,080	7,850	8,578	9,345	10,129	10,868
Cumulative gross output, kWhr	10,028	69,081	128,651	178,433	233,763	292,597	353,736	413,611	472,295	531,543	591,121	647,144	706,991	767,104	821,715
Heat Rate															
Daily heat rate, Btu/kWe gross LHV	13,268	11,916	11,728	12,929	12,253	11,783	11,826	11,873	11,740	11,816	11,639	11,704	11,538	11,730	12,182
Daily heat rate, Btu/kWe gross HHV	14,739	13,237	13,028	14,363	13,611	13,089	13,137	13,189	13,041	13,126	12,929	13,002	12,818	13,030	13,532
Cumulative heat rate, Btu/kWe gross LHV	13,268	12,112	11,934	12,212	12,222	12,133	12,080	12,050	12,012	11,990	11,954	11,933	11,899	11,886	11,906
Cumulative heat rate, Btu/kWe gross HHV	14,739	13,455	13,258	13,566	13,577	13,479	13,420	13,386	13,343	13,319	13,280	13,256	13,219	13,204	13,226
Cumulative by Facility starting Calendar Year															
Max cumulative available engine run hours	28,800	28,896	28,992	29,088	29,184	29,280	29,376	29,472	29,568	29,664	29,760	29,856	29,952	30,048	30,144
Actual cumulative engine run hours	24,509	24,582	24,655	24,726	24,799	24,871	24,946	25,018	25,095	25,167	25,239	25,308	25,380	25,452	25,519
Cumulative Availability, %	85.1%	85.1%	85.0%	85.0%	85.0%	84.9%	84.9%	84.9%	84.9%	84.8%	84.8%	84.8%	84.7%	84.7%	84.7%
Max cumulative gross output, kWhr	23,760,000	23,839,200	23,918,400	23,997,600	24,076,800	24,156,000	24,235,200	24,314,400	24,393,600	24,472,800	24,552,000	24,631,200	24,710,400	24,789,600	24,868,800
Actual cumulative gross output, kWhr	17,717,512	17,776,565	17,836,135	17,885,917	17,941,247	18,000,081	18,061,220	18,121,095	18,179,779	18,239,027	18,298,605	18,354,628	18,414,475	18,474,588	18,529,199
Cumulative Capacity Factor	74.6%	74.6%	74.5%	74.5%	74.5%	74.5%	74.5%	74.5%	74.5%	74.5%	74.5%	74.5%	74.5%	74.5%	74.5%
Cumulative fuel input, MMBtu HHV	234,789	235,570	236,346	237,061	237,815	238,585	239,388	240,178	240,943	241,721	242,491	243,219	243,986	244,770	245,509
Cumulative gross output, kWhr	17,717,512	17,776,565	17,836,135	17,885,917	17,941,247	18,000,081	18,061,220	18,121,095	18,179,779	18,239,027	18,298,605	18,354,628	18,414,475	18,474,588	18,529,199
Cumulative heat rate, Btu/kWe gross LHV	11,929	11,929	11,929	11,931	11,932	11,932	11,931	11,931	11,931	11,930	11,929	11,929	11,927	11,927	11,927
Cumulative heat rate, Btu/kWe gross HHV	13,252	13,252	13,251	13,254	13,255	13,255	13,254	13,254	13,253	13,253	13,252	13,251	13,250	13,249	13,250
Service															
Engine 1	Facility down														
Engine 2	due to NStar														
Engine 3	communication														
Engine 4	problem.														
Oil - oil and filter change	Radio transmitter replaced.														
Service - plugs, air filter, valve inspection and adjustment												NStar trip overcurrent			
NSTAR Power Reports															
Date	11/1/2010	11/2/2010	11/3/2010	11/4/2010	11/5/2010	11/6/2010	11/7/2010	11/8/2010	11/9/2010	11/10/2010	11/11/2010	11/12/2010	11/13/2010	11/14/2010	11/15/2010
Hour															
1	-	2,419	2,426	2,428	-	2,421	2,385	2,440	2,433	2,427	2,400	2,426	2,427	2,419	2,417
2	-	2,414	2,426	2,430	848	2,415	2,388	2,443	2,435	2,421	2,395	2,415	2,428	2,420	2,415
3	-	2,409	2,425	2,438	2,436	2,422	2,387	2,447	2,427	2,426	2,394	-	2,429	2,420	2,413
4	-	2,403	2,426	2,440	2,449	2,415	2,390	2,450	2,433	2,423	2,395	1,311	2,430	2,422	2,415
5	-	2,400	2,425	2,443	2,447	2,416	2,395	2,454	2,425	2,423	2,389	2,407	2,428	2,422	2,409
6	-	2,392	2,423	2,450	2,444	2,412	2,392	2,459	2,431	2,423	2,387	2,401	2,426	2,421	2,242
7	-	2,391	2,424	2,450	2,438	2,412	2,387	2,461	2,427	2,414	2,387	2,400	2,425	2,419	1,622
8	-	2,392	2,425	2,454	2,437	2,406	2,385	2,462	2,429	2,420	2,392	2,434	2,430	2,419	1,653
9	-	2,403	2,431	1,736	2,445	2,408	2,395	2,465	2,441	2,410	2,389	2,446	2,439	2,429	1,673
10	-	2,388	2,440	2,442	2,434	2,404	2,396	2,470	2,483	2,414	2,382	2,450	2,450	2,437	1,777
11	-	2,315	2,310	2,391	2,326	2,402	2,402	2,466	2,459	2,416	2,430	2,453	2,453	2,436	2,411
12	-	2,357	2,452	1,796	2,315	2,400	2,408	2,448	2,467	2,432	2,430	2,449	2,456	2,435	2,425
13	-	2,406	2,430	2,447	2,313	2,401	2,410	2,449	2,450	2,426	2,434	2,450	2,461	2,433	2,427
14	-	2,419	2,438	2,445	2,315	2,402	2,414	2,449	2,443	2,424	2,435	2,449	2,461	2,429	2,398
15	-	2,428	2,439	2,465	2,455	2,401	2,412	2,437	2,425	2,419	2,427	2,443	2,459	2,426	2,412
16	-	2,443	2,440	2,456	2,451	2,401	2,415	2,443	2,433	2,415	2,427	2,430	2,452	2,424	2,406
17	-	2,454	2,438	2,460	2,448	2,395	2,416	2,433	2,439	2,410	2,420	2,421	2,446	2,420	2,401
18	-	2,451	2,436	2,466	2,437	2,385	2,420	2,435	2,427	2,409	2,420	2,422	2,442	2,417	2,402
19	-	2,444	2,433	2,467	2,436	2,387	2,421	2,431	2,435	2,411	2,420	2,428	2,438	2,412	2,394
20	253	2,440	2,426	2,468	2,433	2,392	2,422	2,428	2,430	2,406	2,415	2,427	2,430	2,413	2,391
21	1,738	2,438	2,425	547	2,425	2,391	2,424	2,431	2,428	2,402	2,415	2,424	2,425	2,413	2,390
22	2,443	2,437	2,426	-	2,424	2,391	2,426	2,432	2,429	2,404	2,417	2,422	2,425	2,413	2,316
23	2,441	2,433	2,427	-	2,421	2,387	2,430	2,431	2,430	2,398	2,423	2,424	2,424	2,418	1,668
24	2,431	2,430	2,425	-	2,417	2,387	2,433	2,437	2,428	2,395	2,425	2,430	2,421	2,415	2,282
TOTAL	9,306	57,906	58,216	48,119	53,994	57,653	60,193	58,701	58,487	57,968	57,848	54,762	58,505	58,132	53,759
Cumulative Output Sold, kWhr	9,306	67,212	125,428	173,547	227,541	285,194	345,387	404,088	462,575	520,543	578,391	633,153	691,658	749,790	803,549
Transformer and line efficiency	99.4%	100.5%	100.4%	99.3%	99.8%	100.4%	100.8%	100.4%	102.2%	100.6%	99.8%	100.3%	100.3%	99.4%	101.0%
Hourly average	388	2,413	2,426	2,005	2,250	2,402	2,508	2,446	2,437	2,415	2,410	2,282	2,438	2,422	2,240

NOVEMBER 2010																	
CNBE Daily Reports Summary Data																	
	Tuesday 11/16/2010	Wednesday 11/17/2010	Thursday 11/18/2010	Friday 11/19/2010	Saturday 11/20/2010	Sunday 11/21/2010	Monday 11/22/2010	Tuesday 11/23/2010	Wednesday 11/24/2010	Thursday 11/25/2010	Friday 11/26/2010	Saturday 11/27/2010	Sunday 11/28/2010	Monday 11/29/2010	Tuesday 11/30/2010	TOTAL	
Landfill Gas Flow to the Engines (KSCF)	1,433	1,444	1,412	1,436	1,422	1,445	1,462	1,418	1,463	1,485	1,402	1,500	1,512	1,550	1,498	42,017	
Landfill Gas Flow to the Engines (MMBTU HHV)	772	789	759	777	763	747	766	766	776	778	757	788	755	764	756	22,380	
Landfill Gas Flow to the Flare (KSCF)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,008	
Landfill Gas Flow to the Flare (MMBTU HHV)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	600	
Landfill Gas Total Flow (KSCF)	1,433	1,444	1,412	1,436	1,422	1,445	1,462	1,418	1,463	1,485	1,402	1,500	1,512	1,550	1,498	43,025	
Landfill Gas Total Flow (MMBTU HHV)	772	789	759	777	763	747	766	766	776	778	757	788	755	764	756	22,980	
Average Methane Content (%)	53.2	54.0	53.1	53.4	53.0	51.1	51.8	53.4	52.4	51.8	53.3	51.9	49.3	48.7	49.9	52.8	
Engine 1 Hours	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	700	
Engine 2 Hours	3	4	6	6	-	-	6	14	23	25	24	24	24	24	24	220	
Engine 3 Hours	24	24	24	24	24	24	24	14	-	13	24	24	24	11	12	606	
Engine 4 Hours	24	24	22	23	24	24	24	23	24	24	7	-	-	14	13	603	
Generator 1 Power Output (kWhr)	19,789	20,156	19,771	19,398	20,019	20,075	19,814	19,849	20,008	19,915	19,822	20,122	19,792	19,634	19,227	576,135	
Generator 2 Power Output (kWhr)	365	747	161	569	-	-	1,629	9,311	20,429	20,357	19,990	20,312	19,948	19,802	20,089	154,149	
Generator 3 Power Output (kWhr)	19,746	20,272	19,532	18,924	20,349	19,392	19,133	11,670	-	-	10,668	19,127	16,386	7,157	8,230	482,989	
Generator 4 Power Output (kWhr)	19,220	19,541	16,750	18,037	19,020	19,073	19,013	17,307	18,797	19,248	5,765	-	-	10,655	9,856	477,267	
Gross Power Output (kWhr)	59,360	60,956	56,379	57,174	59,711	58,829	60,008	58,652	59,723	60,053	56,674	59,817	56,434	57,551	57,809	1,700,845	
Net Power Output (kWhr)	57,855	59,439	54,931	55,636	58,142	57,197	58,360	57,097	58,129	58,306	55,161	58,182	54,721	55,767	56,153	1,655,710	
Power Sold as metered by NStar, (kWhr)	58,292	59,375	55,268	55,915	58,618	57,571	58,081	57,189	57,949	58,271	55,911	58,433	55,739	55,745	56,403	1,662,309	
Offgrid RECs (kWhr)	1,505	1,517	1,448	1,538	1,569	1,632	1,648	1,555	1,594	1,747	1,513	1,635	1,713	1,784	1,656	45,135	
Calculated Performance Results																	
Daily																	
Power output (kW average when running)																	
Generator 1	825	840	824	808	834	836	826	827	834	830	826	838	825	818	801		
Generator 2	122	187	27	95	-	-	272	665	888	814	833	846	831	825	837		
Generator 3	823	845	814	789	848	808	797	834	-	-	821	797	683	651	686		
Generator 4	801	814	761	784	793	795	792	752	783	802	824	-	-	761	758		
Power output (kW average over 24-hrs)																	
Facility Gross	2,473	2,540	2,349	2,382	2,488	2,451	2,500	2,444	2,488	2,502	2,361	2,492	2,351	2,398	2,409		
Facility Net	2,411	2,477	2,289	2,318	2,423	2,383	2,432	2,379	2,422	2,429	2,298	2,424	2,280	2,324	2,340		
In-plant load	63	63	60	64	65	68	69	65	66	73	63	68	71	74	69		
Daily availability factor																	
Facility	78%	79%	79%	80%	75%	75%	81%	78%	74%	76%	71%	75%	75%	76%	76%		
Engine 1	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%		
Engine 2	13%	17%	25%	25%	0%	0%	25%	58%	96%	104%	100%	100%	100%	100%	100%		
Engine 3	100%	100%	100%	100%	100%	100%	100%	58%	0%	0%	54%	100%	100%	46%	50%		
Engine 4	100%	100%	92%	96%	100%	100%	100%	96%	100%	100%	29%	0%	0%	58%	54%		
Daily capacity factor																	
Facility	75%	77%	71%	72%	75%	74%	76%	74%	75%	76%	72%	76%	71%	73%	73%		
Engine 1	100%	102%	100%	98%	101%	101%	100%	100%	101%	101%	102%	100%	99%	99%	97%		
Engine 2	15%	23%	3%	11%	0%	0%	33%	81%	108%	99%	101%	103%	101%	100%	101%		
Engine 3	100%	102%	99%	96%	103%	98%	97%	101%	0%	0%	99%	97%	83%	79%	83%		
Engine 4	97%	99%	92%	95%	96%	96%	96%	91%	95%	97%	100%	0%	0%	92%	92%		
Cumulative by engine																	
Engine operating run hours in the month																	
Max Cumulative Available, hours	384	408	432	456	480	504	528	552	576	600	624	648	672	696	720		
Engine 1	364	388	412	436	460	484	508	532	556	580	604	628	652	676	700		
Engine 2	16	20	26	32	32	32	38	52	75	100	124	148	172	196	220		
Engine 3	364	388	412	436	460	484	508	522	522	535	559	583	594	606	606		
Engine 4	357	381	403	426	450	474	498	521	545	569	576	576	576	590	603		
Engine operating run hours total from 0 hours																	
Engine 1	42,478	42,502	42,526	42,550	42,574	42,598	42,622	42,646	42,670	42,694	42,718	42,742	42,766	42,790	42,814		
Engine 2	41,314	41,318	41,324	41,330	41,330	41,330	41,336	41,350	41,373	41,398	41,422	41,446	41,470	41,494	41,518		
Engine 3	41,408	41,432	41,456	41,480	41,504	41,528	41,552	41,566	41,566	41,566	41,579	41,603	41,627	41,638	41,650		
Engine 4	40,523	40,547	40,569	40,592	40,616	40,640	40,664	40,687	40,711	40,735	40,742	40,742	40,742	40,756	40,769		
Cumulative availability, %																	
Engine 1	95%	95%	95%	96%	96%	96%	96%	96%	97%	97%	97%	97%	97%	97%	97%		
Engine 2	4%	5%	6%	7%	7%	6%	7%	9%	13%	17%	20%	23%	26%	28%	31%		
Engine 3	95%	95%	95%	96%	96%	96%	96%	95%	91%	87%	86%	86%	87%	85%	84%		
Engine 4	93%	93%	93%	93%	94%	94%	94%	94%	95%	95%	92%	89%	86%	85%	84%		
Engine cumulative gross output, kWhr																	
Max cumulative capacity one engine	13,200	14,025	14,850	15,675	16,500	17,325	18,150	18,975	19,800	20,625	21,450	22,275	23,100	23,925	24,750		
Engine 1	13,017	13,857	14,681	15,489	16,323	17,160	17,985	18,812	19,646	20,476	21,302	22,140	22,965	23,783	24,584		
Engine 2	385	572	599	694	694	694	965	1,630	2,518	3,333	4,166	5,012	5,843	6,668	7,505		
Engine 3	12,755	13,600	14,414	15,202	16,050	16,858	17,655	18,489	18,489	18,489	19,309	20,106	20,789	21,440	22,126		
Engine 4	12,593	13,407	14,168	14,953	15,745	16,540	17,332	18,085	18,868	19,670	20,493	20,493	20,493	21,254	22,013		
Cumulative capacity factor, %																	
Engine 1	99%	99%	99%	99%	99%	99%	99%	99%	99%	99%	99%	99%	99%	99%	99%		
Engine 2	3%	4%	4%	4%	4%	4%	5%	9%	13%	16%	19%	23%	25%	28%	30%		
Engine 3	97%	97%	97%	97%	97%	97%	97%	97%	93%	90%	90%	90%	90%	90%	89%		
Engine 4	95%	96%	95%	95%	95%	95%	95%	95%	95%	95%	96%	92%	89%	89%	89%		

NOVEMBER 2010

		Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday	Monday	Tuesday	
		11/16/2010	11/17/2010	11/18/2010	11/19/2010	11/20/2010	11/21/2010	11/22/2010	11/23/2010	11/24/2010	11/25/2010	11/26/2010	11/27/2010	11/28/2010	11/29/2010	11/30/2010	TOTAL
Cumulative by Facility in month																	
	Max cumulative available engine run hours	1,536	1,632	1,728	1,824	1,920	2,016	2,112	2,208	2,304	2,400	2,496	2,592	2,688	2,784	2,880	
	Actual cumulative engine run hours	1,101	1,177	1,253	1,330	1,402	1,474	1,552	1,627	1,698	1,771	1,839	1,911	1,983	2,056	2,129	
	Cumulative Availability, %	71.7%	72.1%	72.5%	72.9%	73.0%	73.1%	73.5%	73.7%	73.7%	73.8%	73.7%	73.7%	73.8%	73.9%	73.9%	
	Max cumulative gross output, kWhr	1,267,200	1,346,400	1,425,600	1,504,800	1,584,000	1,663,200	1,742,400	1,821,600	1,900,800	1,980,000	2,059,200	2,138,400	2,217,600	2,296,800	2,376,000	
	Actual cumulative gross output, kWhr	881,075	942,031	998,410	1,055,584	1,115,295	1,174,124	1,234,132	1,292,784	1,352,507	1,412,560	1,469,234	1,529,051	1,585,485	1,643,036	1,700,845	
	Cumulative Capacity Factor	69.5%	70.0%	70.0%	70.1%	70.4%	70.6%	70.8%	71.0%	71.2%	71.3%	71.3%	71.5%	71.5%	71.5%	71.6%	
	Cumulative fuel input, MMBtu HHV	11,640	12,429	13,188	13,965	14,727	15,474	16,240	17,006	17,782	18,560	19,317	20,105	20,859	21,624	22,380	
	Cumulative gross output, kWhr	881,075	942,031	998,410	1,055,584	1,115,295	1,174,124	1,234,132	1,292,784	1,352,507	1,412,560	1,469,234	1,529,051	1,585,485	1,643,036	1,700,845	
Heat Rate																	
	Daily heat rate, Btu/kWe gross LHV	11,707	11,650	12,124	12,227	11,495	11,427	11,488	11,760	11,697	11,668	12,022	11,853	12,037	11,957	11,771	
	Daily heat rate, Btu/kWe gross HHV	13,005	12,942	13,468	13,583	12,770	12,694	12,762	13,063	12,993	12,962	13,355	13,167	13,371	13,282	13,076	
	Cumulative heat rate, Btu/kWe gross LHV	11,892	11,877	11,891	11,909	11,887	11,864	11,846	11,842	11,835	11,828	11,836	11,836	11,843	11,847	11,845	
	Cumulative heat rate, Btu/kWe gross HHV	13,211	13,194	13,209	13,229	13,205	13,179	13,159	13,154	13,147	13,139	13,148	13,149	13,156	13,161	13,158	
Cumulative by Facility starting Calendar Year																	
	Max cumulative available engine run hours	30,240	30,336	30,432	30,528	30,624	30,720	30,816	30,912	31,008	31,104	31,200	31,296	31,392	31,488	31,584	
	Actual cumulative engine run hours	25,594	25,670	25,746	25,823	25,895	25,967	26,045	26,120	26,191	26,264	26,332	26,404	26,476	26,549	26,622	
	Cumulative Availability, %	84.6%	84.6%	84.6%	84.6%	84.6%	84.5%	84.5%	84.5%	84.5%	84.4%	84.4%	84.4%	84.3%	84.3%	84.3%	
	Max cumulative gross output, kWhr	24,948,000	25,027,200	25,106,400	25,185,600	25,264,800	25,344,000	25,423,200	25,502,400	25,581,600	25,660,800	25,740,000	25,819,200	25,898,400	25,977,600	26,056,800	
	Actual cumulative gross output, kWhr	18,588,559	18,649,515	18,705,894	18,763,068	18,822,779	18,881,608	18,941,616	19,000,268	19,059,991	19,120,044	19,176,718	19,236,535	19,292,969	19,350,520	19,408,329	
	Cumulative Capacity Factor	74.5%	74.5%	74.5%	74.5%	74.5%	74.5%	74.5%	74.5%	74.5%	74.5%	74.5%	74.5%	74.5%	74.5%	74.5%	
	Cumulative fuel input, MMBtu HHV	246,281	247,070	247,829	248,605	249,368	250,115	250,881	251,647	252,423	253,201	253,958	254,746	255,500	256,265	257,021	
	Cumulative gross output, kWhr	18,588,559	18,649,515	18,705,894	18,763,068	18,822,779	18,881,608	18,941,616	19,000,268	19,059,991	19,120,044	19,176,718	19,236,535	19,292,969	19,350,520	19,408,329	
	Cumulative heat rate, Btu/kWe gross LHV	11,927	11,926	11,926	11,927	11,926	11,924	11,923	11,923	11,922	11,921	11,921	11,921	11,921	11,922	11,921	
	Cumulative heat rate, Btu/kWe gross HHV	13,249	13,248	13,249	13,250	13,248	13,246	13,245	13,244	13,244	13,243	13,243	13,243	13,243	13,243	13,243	
Service																	
	Engine 1																
	Engine 2	Ron Richardson to finalize E-1,-2,-3															
	Engine 3																
	Engine 4																
Oil - oil and filter change																	
Service - plugs, air filter, valve inspection and adjust																	

DECEMBER 2010																
CNBE Daily Reports Summary Data																
	Wednesday 12/1/2010	Thursday 12/2/2010	Friday 12/3/2010	Saturday 12/4/2010	Sunday 12/5/2010	Monday 12/6/2010	Tuesday 12/7/2010	Wednesday 12/8/2010	Thursday 12/9/2010	Friday 12/10/2010	Saturday 12/11/2010	Sunday 12/12/2010	Monday 12/13/2010	Tuesday 12/14/2010	Wednesday 12/15/2010	
Landfill Gas Flow to the Engines (KSCF)	1,449	1,472	1,485	1,506	1,525	1,483	1,465	1,461	1,491	1,495	1,400	1,400	1,417	1,429	1,482	
Landfill Gas Flow to the Engines (MMBTU HHV)	768	782	787	804	811	796	781	771	764	764	761	761	789	784	789	
Landfill Gas Flow to the Flare (KSCF)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Landfill Gas Flow to the Flare (MMBTU HHV)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Landfill Gas Total Flow (KSCF)	1,449	1,472	1,485	1,506	1,525	1,483	1,465	1,461	1,491	1,495	1,400	1,400	1,417	1,429	1,482	
Landfill Gas Total Flow (MMBTU HHV)	768	782	787	804	811	796	781	771	764	764	761	761	789	784	789	
Average Methane Content (%)	52.4	52.5	52.3	52.8	52.6	53.0	52.7	52.1	50.6	50.5	53.7	53.7	55.0	54.2	52.6	
Engine 1 Hours	24	24	24	24	24	24	14	13	24	24	24	24	24	24	24	
Engine 2 Hours	24	24	24	24	24	24	24	24	24	24	24	24	11	18	24	
Engine 3 Hours	24	24	13	-	-	1	10	24	24	24	24	24	24	22	24	
Engine 4 Hours	-	-	13	24	24	23	23	11	1	-	-	-	15	11	-	
Generator 1 Power Output (kWhr)	19,223	19,352	19,327	20,128	20,236	20,014	12,120	9,708	19,822	19,729	18,993	18,993	18,891	20,086	20,035	
Generator 2 Power Output (kWhr)	20,526	20,481	20,379	20,552	20,662	20,505	20,349	20,331	20,173	19,564	18,760	18,760	9,086	14,616	20,355	
Generator 3 Power Output (kWhr)	19,448	19,386	9,690	-	-	200	8,069	19,315	17,832	18,315	19,176	19,176	19,818	16,895	18,753	
Generator 4 Power Output (kWhr)	-	-	9,759	19,426	19,565	18,735	18,054	7,725	-	-	-	-	11,413	4,722	-	
Gross Power Output (kWhr)	59,675	59,497	59,478	60,370	60,704	59,704	58,845	57,359	58,182	58,064	57,442	57,442	59,517	56,496	59,440	
Net Power Output (kWhr)	58,202	57,995	57,919	58,696	58,977	58,037	57,194	55,764	56,560	56,438	56,026	56,026	58,067	55,027	57,738	
Power Sold as metered by NStar, (kWhr)	58,455	58,558	58,435	58,947	58,887	58,434	57,948	56,212	57,079	56,393	55,907	56,187	57,828	55,350	58,204	
Offgrid RECs (kWhr)	1,473	1,502	1,559	1,674	1,727	1,667	1,651	1,595	1,622	1,626	1,416	1,416	1,450	1,469	1,702	
Calculated Performance Results																
Daily																
Power output (kW average when running)																
Generator 1	801	806	805	839	843	834	866	747	826	822	791	791	787	837	835	
Generator 2	855	853	849	856	861	854	848	847	841	815	782	782	826	812	848	
Generator 3	810	808	745	-	-	200	807	805	743	763	799	799	826	768	781	
Generator 4	-	-	751	809	815	815	785	702	-	-	-	-	761	429	-	
Power output (kW average over 24-hrs)																
Facility Gross	2,486	2,479	2,478	2,515	2,529	2,488	2,452	2,390	2,424	2,419	2,393	2,393	2,480	2,354	2,477	
Facility Net	2,425	2,416	2,413	2,446	2,457	2,418	2,383	2,324	2,357	2,352	2,334	2,334	2,419	2,293	2,406	
In-plant load	61	63	65	70	72	69	69	66	68	68	59	59	60	61	71	
Daily availability factor																
Facility	75%	75%	77%	75%	75%	75%	74%	75%	76%	75%	75%	75%	77%	78%	75%	
Engine 1	100%	100%	100%	100%	100%	100%	58%	54%	100%	100%	100%	100%	100%	100%	100%	
Engine 2	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	46%	75%	100%	
Engine 3	100%	100%	54%	0%	0%	4%	42%	100%	100%	100%	100%	100%	100%	92%	100%	
Engine 4	0%	0%	54%	100%	100%	96%	96%	46%	4%	0%	0%	0%	63%	46%	0%	
Daily capacity factor																
Facility	75%	75%	75%	76%	77%	75%	74%	72%	73%	73%	73%	73%	75%	71%	75%	
Engine 1	97%	98%	98%	102%	102%	101%	105%	91%	100%	100%	96%	96%	95%	101%	101%	
Engine 2	104%	103%	103%	104%	104%	104%	103%	103%	102%	99%	95%	95%	100%	98%	103%	
Engine 3	98%	98%	90%	0%	0%	24%	98%	98%	90%	93%	97%	97%	100%	93%	95%	
Engine 4	0%	0%	91%	98%	99%	99%	95%	85%	0%	0%	0%	0%	92%	52%	0%	
Cumulative by engine																
Engine operating run hours in the month																
Max Cumulative Available, hours	24	48	72	96	120	144	168	192	216	240	264	288	312	336	360	
Engine 1	24	48	72	96	120	144	158	171	195	219	243	267	291	315	339	
Engine 2	24	48	72	96	120	144	168	192	216	240	264	288	299	317	341	
Engine 3	24	48	61	61	61	62	72	96	120	144	168	192	216	238	262	
Engine 4	0	0	13	37	61	84	107	118	119	119	119	119	134	145	145	
Engine operating run hours total from 0 hours																
Engine 1	42,881	42,905	42,929	42,953	42,977	43,001	43,015	43,028	43,052	43,076	43,100	43,124	43,148	43,172	43,196	
Engine 2	41,496	41,520	41,544	41,568	41,592	41,616	41,640	41,664	41,688	41,712	41,736	41,760	41,771	41,789	41,813	
Engine 3	41,657	41,681	41,694	41,694	41,694	41,695	41,705	41,729	41,753	41,777	41,801	41,825	41,849	41,871	41,895	
Engine 4	40,773	40,773	40,786	40,810	40,834	40,857	40,880	40,891	40,892	40,892	40,892	40,892	40,907	40,918	40,918	
Cumulative availability, %																
Engine 1	100%	100%	100%	100%	100%	100%	94%	89%	90%	91%	92%	93%	93%	94%	94%	
Engine 2	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	96%	94%	95%	
Engine 3	100%	100%	85%	64%	51%	43%	43%	50%	56%	60%	64%	67%	69%	71%	73%	
Engine 4	0%	0%	18%	39%	51%	58%	64%	61%	55%	50%	45%	41%	43%	43%	40%	
Engine cumulative gross output, kWhr																
Max cumulative capacity one engine	825	1,650	2,475	3,300	4,125	4,950	5,775	6,600	7,425	8,250	9,075	9,900	10,725	11,550	12,375	
Engine 1	801	1,607	2,413	3,251	4,094	4,928	5,794	6,541	7,367	8,189	8,980	9,772	10,559	11,396	12,230	
Engine 2	855	1,709	2,558	3,414	4,275	5,129	5,977	6,824	7,665	8,480	9,262	10,043	10,869	11,681	12,530	
Engine 3	810	1,618	2,363	2,363	2,363	2,563	3,370	4,175	4,918	5,681	6,480	7,279	8,105	8,873	9,654	
Engine 4	-	-	751	1,560	2,375	3,190	3,975	4,677	4,677	4,677	4,677	4,677	5,438	5,867	5,867	
Cumulative capacity factor, %																
Engine 1	97%	97%	97%	99%	99%	100%	100%	99%	99%	99%	99%	99%	98%	99%	99%	
Engine 2	104%	104%	103%	103%	104%	104%	104%	103%	103%	103%	102%	101%	101%	101%	101%	
Engine 3	98%	98%	95%	72%	57%	52%	58%	63%	66%	69%	71%	74%	76%	77%	78%	
Engine 4	0%	0%	30%	47%	58%	64%	69%	71%	63%	57%	52%	47%	51%	51%	47%	

		Wednesday 12/1/2010	Thursday 12/2/2010	Friday 12/3/2010	Saturday 12/4/2010	Sunday 12/5/2010	Monday 12/6/2010	Tuesday 12/7/2010	Wednesday 12/8/2010	Thursday 12/9/2010	Friday 12/10/2010	Saturday 12/11/2010	Sunday 12/12/2010	Monday 12/13/2010	Tuesday 12/14/2010	Wednesday 12/15/2010
Cumulative by Facility in month																
	Max cumulative available engine run hours	96	192	288	384	480	576	672	768	864	960	1,056	1,152	1,248	1,344	1,440
	Actual cumulative engine run hours	72	144	218	290	362	434	505	577	650	722	794	866	940	1,015	1,087
	Cumulative Availability, %	75.0%	75.0%	75.7%	75.5%	75.4%	75.3%	75.1%	75.1%	75.2%	75.2%	75.2%	75.2%	75.3%	75.5%	75.5%
	Max cumulative gross output, kWhr	79,200	158,400	237,600	316,800	396,000	475,200	554,400	633,600	712,800	792,000	871,200	950,400	1,029,600	1,108,800	1,188,000
	Actual cumulative gross output, kWhr	59,675	119,172	178,650	239,020	299,724	359,428	418,273	475,632	533,814	591,878	649,320	706,762	766,279	822,775	882,215
	Cumulative Capacity Factor	75.3%	75.2%	75.2%	75.4%	75.7%	75.6%	75.4%	75.1%	74.9%	74.7%	74.5%	74.4%	74.4%	74.2%	74.3%
	Cumulative fuel input, MMBtu HHV	768	1,550	2,337	3,141	3,952	4,748	5,529	6,299	7,063	7,827	8,588	9,349	10,138	10,922	11,710
	Cumulative gross output, kWhr	59,675	119,172	178,650	239,020	299,724	359,428	418,273	475,632	533,814	591,878	649,320	706,762	766,279	822,775	882,215
Heat Rate																
	Daily heat rate, Btu/kWe gross LHV	11,590	11,827	11,905	11,995	12,028	11,997	11,949	12,094	11,816	11,845	11,926	11,926	11,926	12,494	11,942
	Daily heat rate, Btu/kWe gross HHV	12,875	13,138	13,225	13,324	13,362	13,327	13,274	13,435	13,126	13,158	13,248	13,248	13,248	13,879	13,265
	Cumulative heat rate, Btu/kWe gross LHV	11,590	11,708	11,774	11,830	11,870	11,891	11,899	11,923	11,911	11,905	11,906	11,908	11,909	11,950	11,949
	Cumulative heat rate, Btu/kWe gross HHV	12,875	13,006	13,079	13,141	13,186	13,209	13,218	13,244	13,232	13,224	13,226	13,228	13,230	13,274	13,274
Cumulative by Facility starting Calendar Year																
	Max cumulative available engine run hours	31,680	31,776	31,872	31,968	32,064	32,160	32,256	32,352	32,448	32,544	32,640	32,736	32,832	32,928	33,024
	Actual cumulative engine run hours	26,694	26,766	26,840	26,912	26,984	27,056	27,127	27,199	27,272	27,344	27,416	27,488	27,562	27,637	27,709
	Cumulative Availability, %	84.3%	84.2%	84.2%	84.2%	84.2%	84.1%	84.1%	84.1%	84.0%	84.0%	84.0%	84.0%	83.9%	83.9%	83.9%
	Max cumulative gross output, kWhr	26,136,000	26,215,200	26,294,400	26,373,600	26,452,800	26,532,000	26,611,200	26,690,400	26,769,600	26,848,800	26,928,000	27,007,200	27,086,400	27,165,600	27,244,800
	Actual cumulative gross output, kWhr	19,468,004	19,527,501	19,586,979	19,647,349	19,708,053	19,767,757	19,826,602	19,883,961	19,942,143	20,000,207	20,057,649	20,115,091	20,174,608	20,231,104	20,290,544
	Cumulative Capacity Factor	74.5%	74.5%	74.5%	74.5%	74.5%	74.5%	74.5%	74.5%	74.5%	74.5%	74.5%	74.5%	74.5%	74.5%	74.5%
	Cumulative fuel input, MMBtu HHV	257,789	258,571	259,357	260,162	260,973	261,768	262,549	263,320	264,084	264,848	265,609	266,370	267,158	267,942	268,731
	Cumulative gross output, kWhr	19,468,004	19,527,501	19,586,979	19,647,349	19,708,053	19,767,757	19,826,602	19,883,961	19,942,143	20,000,207	20,057,649	20,115,091	20,174,608	20,231,104	20,290,544
	Cumulative heat rate, Btu/kWe gross LHV	11,920	11,920	11,920	11,920	11,920	11,921	11,921	11,921	11,921	11,921	11,921	11,921	11,921	11,922	11,922
	Cumulative heat rate, Btu/kWe gross HHV	13,242	13,241	13,241	13,242	13,242	13,242	13,242	13,243	13,242	13,242	13,242	13,242	13,242	13,244	13,244
Service																
	Engine 1													E1 oil gasket leak fixed		
	Engine 2													E2 antifreeze gasket leak fixed		
	Engine 3														Reverse Power: fuel system	
	Engine 4														Load/unload wiring: Ray confer with R	
Oil - oil and filter change						Ops meeting				Reduced load to have the gas field recover from overpull.						
Service - plugs, air filter, valve inspection and adjustment													Recovered to 56% CH4, 48 in vac.			
	NSTAR Power Reports	Wednesday	Thursday	Friday	Saturday	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday	Monday	Tuesday	Wednesday
	Date	12/1/2010	12/2/2010	12/3/2010	12/4/2010	12/5/2010	12/6/2010	12/7/2010	12/8/2010	12/9/2010	12/10/2010	12/11/2010	12/12/2010	12/13/2010	12/14/2010	12/15/2010
	Hour															
	1	2,372	2,466	2,415	2,454	2,456	2,449	2,458	2,422	2,415	2,370	2,333	2,320	2,344	2,418	2,424
	2	2,376	2,452	2,420	2,455	2,453	2,450	2,459	2,415	2,402	2,366	2,331	2,322	2,340	2,411	2,417
	3	2,382	2,446	2,420	2,455	2,454	2,451	2,458	2,414	2,387	2,361	2,330	2,329	2,335	2,402	2,409
	4	2,382	2,441	2,419	2,454	2,453	2,452	2,456	2,422	2,397	2,366	2,334	2,334	2,335	2,399	2,402
	5	2,389	2,434	2,420	2,456	2,454	2,453	2,454	2,422	2,394	2,371	2,335	2,338	2,331	1,471	2,400
	6	2,389	2,432	2,423	2,456	2,454	2,452	2,455	2,415	2,381	2,367	2,331	2,339	2,334	813	2,399
	7	2,396	2,427	2,425	2,455	2,451	2,453	2,456	2,406	2,377	2,370	2,325	2,344	2,334	1,309	2,395
	8	2,395	2,424	2,428	2,457	2,450	2,455	2,457	2,084	2,361	2,372	2,325	2,346	2,331	2,423	2,394
	9	2,398	2,433	2,422	2,456	2,455	2,455	2,456	1,820	2,385	2,381	2,331	2,347	2,348	2,649	2,399
	10	2,441	2,426	2,400	2,458	2,458	2,463	2,454	1,843	2,410	2,355	2,335	2,349	2,440	2,614	2,439
	11	2,453	2,429	2,419	2,462	2,459	2,467	2,455	1,914	2,395	2,364	2,343	2,343	2,518	2,580	2,440
	12	2,455	2,439	2,421	2,460	2,455	2,285	2,457	2,504	2,359	2,375	2,345	2,349	2,554	2,559	2,452
	13	2,459	2,446	2,440	2,464	2,455	2,433	2,457	2,557	2,374	2,384	2,349	2,344	2,448	2,517	2,452
	14	2,461	2,448	2,403	2,460	2,457	2,465	2,274	2,451	2,377	2,365	2,345	2,345	2,444	2,478	2,443
	15	2,465	2,446	2,436	2,463	2,460	2,461	2,568	2,447	2,374	2,332	2,337	2,346	2,442	2,451	2,416
	16	2,470	2,470	2,462	2,459	2,458	2,131	2,475	2,445	2,365	2,315	2,335	2,346	2,446	2,444	2,446
	17	2,469	2,467	2,465	2,457	2,455	2,457	2,472	2,421	2,364	2,316	2,325	2,345	2,443	2,437	2,445
	18	2,473	2,462	2,462	2,456	2,452	2,458	2,470	2,409	2,357	2,318	2,319	2,336	2,447	2,435	2,440
	19	2,474	2,456	2,456	2,456	2,451	2,456	2,467	2,395	2,355	2,319	2,316	2,343	2,441	2,427	2,432
	20	2,475	2,454	2,454	2,451	2,452	2,457	2,465	2,400	2,357	2,322	2,315	2,339	2,441	2,424	2,433
	21	2,473	2,427	2,456	2,449	2,449	2,458	2,180	2,398	2,365	2,325	2,318	2,344	2,437	2,422	2,433
	22	2,472	2,413	2,457	2,450	2,449	2,458	1,777	2,399	2,374	2,322	2,319	2,346	2,437	2,422	2,432
	23	2,471	2,412	2,456	2,450	2,448	2,457	2,439	2,396	2,378	2,326	2,317	2,345	2,433	2,423	2,429
	24	2,465	2,408	2,456	2,454	2,449	2,458	2,429	2,413	2,376	2,331	2,314	2,348	2,425	2,422	2,433
	TOTAL	58,455	58,558	58,435	58,947	58,887	58,434	57,948	56,212	57,079	56,393	55,907	56,187	57,828	55,350	58,204
	Cumulative Output Sold, kWhr	58,455	117,013	175,448	234,395	293,282	351,716	409,664	465,876	522,955	579,348	635,255	691,442	749,270	804,620	862,824
	Transformer and line efficiency	100.4%	101.0%	100.9%	100.4%	99.8%	100.7%	101.3%	100.8%	100.9%	99.9%	99.8%	100.3%	99.6%	100.6%	100.8%
	Hourly average	2,436	2,440	2,435	2,456	2,454	2,435	2,415	2,342	2,378	2,350	2,329	2,341	2,410	2,306	2,422

DECEMBER 2010																		
CNBE Daily Reports Summary Data																		
	Thursday 12/16/2010	Friday 12/17/2010	Saturday 12/18/2010	Sunday 12/19/2010	Monday 12/20/2010	Tuesday 12/21/2010	Wednesday 12/22/2010	Thursday 12/23/2010	Friday 12/24/2010	Saturday 12/25/2010	Sunday 12/26/2010	Monday 12/27/2010	Tuesday 12/28/2010	Wednesday 12/29/2010	Thursday 12/30/2010	Friday 12/31/2010	TOTAL	
Landfill Gas Flow to the Engines (KSCF)	1,491	1,444	1,440	1,426	1,451	1,454	1,435	1,427	1,415	1,400	1,441	1,481	1,461	1,451	1,433	1,430	45,040	
Landfill Gas Flow to the Engines (MMBTU HHV)	780	748	755	755	771	766	753	746	734	735	767	789	752	743	728	736	23,767	
Landfill Gas Flow to the Flare (KSCF)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Landfill Gas Flow to the Flare (MMBTU HHV)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Landfill Gas Total Flow (KSCF)	1,491	1,444	1,440	1,426	1,451	1,454	1,435	1,427	1,415	1,400	1,441	1,481	1,461	1,451	1,433	1,430	45,040	
Landfill Gas Total Flow (MMBTU HHV)	780	748	755	755	771	766	753	746	734	735	767	789	752	743	728	736	23,767	
Average Methane Content (%)	51.7	51.2	51.8	52.3	52.5	52.1	51.8	51.6	51.2	51.9	52.6	52.6	50.8	50.6	50.2	50.8	52.1	
Engine 1 Hours	24	24	24	24	24	24	24	24	24	15	-	-	-	1	-	-	571	
Engine 2 Hours	24	24	24	24	10	-	-	-	-	6	24	24	24	24	24	24	597	
Engine 3 Hours	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	646	
Engine 4 Hours	-	-	-	-	15	24	24	24	24	24	24	24	24	24	24	24	424	
Generator 1 Power Output (kWhr)	20,065	19,238	19,816	19,801	19,660	19,624	19,320	19,054	19,092	12,681	-	-	-	18	-	-	465,026	
Generator 2 Power Output (kWhr)	20,213	17,781	16,096	16,051	6,436	-	-	-	-	5,172	20,146	20,312	18,651	18,690	20,102	20,332	485,081	
Generator 3 Power Output (kWhr)	19,051	18,955	19,955	20,369	20,026	19,676	19,599	19,440	19,229	19,411	19,302	19,165	17,977	18,393	18,050	18,660	513,331	
Generator 4 Power Output (kWhr)	-	-	-	-	11,606	18,584	17,831	18,279	18,084	18,305	19,009	18,309	17,933	17,935	17,356	17,214	319,844	
Gross Power Output (kWhr)	59,752	56,417	56,264	56,600	58,026	58,186	57,099	57,049	56,692	55,811	58,444	57,825	54,652	55,185	55,609	56,362	1,792,188	
Net Power Output (kWhr)	58,061	54,793	54,689	55,058	56,389	56,528	55,364	55,264	54,892	54,078	56,698	56,073	52,839	53,438	53,982	54,775	1,741,587	
Power Sold as metered by NStar, (kWhr)	58,284	55,779	54,718	55,371	56,972	57,237	55,914	55,605	55,237	54,140	57,650	56,431	53,362	53,844	54,821	55,005	1,753,194	
Offgrid RECs (kWhr)	1,691	1,624	1,575	1,542	1,637	1,658	1,735	1,785	1,800	1,733	1,746	1,752	1,813	1,747	1,627	1,587	50,601	
Calculated Performance Results																		
Daily																		
Power output (kW average when running)																		
Generator 1	836	802	826	825	819	818	805	794	796	845	-	-	-	18	-	-		
Generator 2	842	741	671	669	644	-	-	-	-	862	839	846	777	779	838	847		
Generator 3	794	790	831	849	834	820	817	810	801	809	804	799	749	766	752	778		
Generator 4	-	-	-	-	774	774	743	762	754	763	792	763	747	747	723	717		
Power output (kW average over 24-hrs)																		
Facility Gross	2,490	2,351	2,344	2,358	2,418	2,424	2,379	2,377	2,362	2,325	2,435	2,409	2,277	2,299	2,317	2,348		
Facility Net	2,419	2,283	2,279	2,294	2,350	2,355	2,307	2,303	2,287	2,253	2,362	2,336	2,202	2,227	2,249	2,282		
In-plant load	70	68	66	64	68	69	72	74	75	72	73	73	76	73	68	66		
Daily availability factor																		
Facility	75%	75%	75%	75%	76%	75%	75%	75%	75%	72%	75%	75%	75%	76%	75%	75%		
Engine 1	100%	100%	100%	100%	100%	100%	100%	100%	100%	63%	0%	0%	0%	4%	0%	0%		
Engine 2	100%	100%	100%	100%	42%	0%	0%	0%	0%	25%	100%	100%	100%	100%	100%	100%		
Engine 3	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%		
Engine 4	0%	0%	0%	0%	63%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%		
Daily capacity factor																		
Facility	75%	71%	71%	71%	73%	73%	72%	72%	72%	70%	74%	73%	69%	70%	70%	71%		
Engine 1	101%	97%	100%	100%	99%	99%	98%	96%	96%	102%	0%	0%	0%	2%	0%	0%		
Engine 2	102%	90%	81%	81%	78%	0%	0%	0%	0%	104%	102%	103%	94%	94%	102%	103%		
Engine 3	96%	96%	101%	103%	101%	99%	99%	98%	97%	98%	97%	97%	91%	93%	91%	94%		
Engine 4	0%	0%	0%	0%	94%	94%	90%	92%	91%	92%	96%	92%	91%	91%	88%	87%		
Cumulative by engine																		
Engine operating run hours in the month																		
Max Cumulative Available, hours	384	408	432	456	480	504	528	552	576	600	624	648	672	696	720	720		
Engine 1	363	387	411	435	459	483	507	531	555	570	570	570	570	571	571	571		
Engine 2	365	389	413	437	447	447	447	447	447	453	477	501	525	549	573	573		
Engine 3	286	310	334	358	382	406	430	454	478	502	526	550	574	598	622	622		
Engine 4	145	145	145	145	160	184	208	232	256	280	304	328	352	376	400	400		
Engine operating run hours total from 0 hours																		
Engine 1	43,220	43,244	43,268	43,292	43,316	43,340	43,364	43,388	43,412	43,427	43,427	43,427	43,427	43,428	43,428	43,428		
Engine 2	41,837	41,861	41,885	41,909	41,919	41,919	41,919	41,919	41,919	41,925	41,949	41,973	41,997	42,021	42,045	42,045		
Engine 3	41,919	41,943	41,967	41,991	42,015	42,039	42,063	42,087	42,111	42,135	42,159	42,183	42,207	42,231	42,255	42,255		
Engine 4	40,918	40,918	40,918	40,918	40,933	40,957	40,981	41,005	41,029	41,053	41,077	41,101	41,125	41,149	41,173	41,173		
Cumulative availability, %																		
Engine 1	95%	95%	95%	95%	96%	96%	96%	96%	96%	95%	91%	88%	85%	82%	79%	79%		
Engine 2	95%	95%	96%	96%	93%	89%	85%	81%	78%	76%	76%	77%	78%	79%	80%	80%		
Engine 3	74%	76%	77%	79%	80%	81%	83%	82%	83%	84%	84%	85%	86%	86%	86%	86%		
Engine 4	38%	36%	34%	32%	33%	37%	39%	42%	44%	47%	49%	51%	52%	54%	56%	56%		
Engine cumulative gross output, kWhr																		
Max cumulative capacity one engine	13,200	14,025	14,850	15,675	16,500	17,325	18,150	18,975	19,800	20,625	21,450	22,275	23,100	23,925	24,750	24,750		
Engine 1	13,066	13,868	14,694	15,519	16,338	17,156	17,961	18,754	19,550	20,395	20,395	20,395	20,395	20,413	20,413	20,413		
Engine 2	13,372	14,113	14,783	15,452	16,096	16,096	16,096	16,096	16,096	16,958	17,797	18,643	19,421	20,199	21,037	21,046		
Engine 3	10,448	11,238	12,069	12,918	13,753	14,572	15,389	16,199	17,000	17,809	18,613	19,412	20,161	20,927	21,679	21,705		
Engine 4	5,867	5,867	5,867	5,867	6,641	7,415	8,158	8,920	9,673	10,436	11,228	11,991	12,738	13,486	14,209	14,203		
Cumulative capacity factor, %																		
Engine 1	99%	99%	99%	99%	99%	99%	99%	99%	99%	99%	95%	92%	88%	85%	82%	82%		
Engine 2	101%	101%	100%	99%	98%	93%	89%	85%	81%	82%	83%	84%	84%	84%	85%	85%		
Engine 3	79%	80%	81%	82%	83%	84%	85%	85%	86%	86%	87%	87%	87%	87%	88%	88%		
Engine 4	44%	42%	40%	37%	40%	43%	45%	47%	49%	51%	52%	54%	55%	56%	57%	57%		

	Thursday 12/16/2010	Friday 12/17/2010	Saturday 12/18/2010	Sunday 12/19/2010	Monday 12/20/2010	Tuesday 12/21/2010	Wednesday 12/22/2010	Thursday 12/23/2010	Friday 12/24/2010	Saturday 12/25/2010	Sunday 12/26/2010	Monday 12/27/2010	Tuesday 12/28/2010	Wednesday 12/29/2010	Thursday 12/30/2010	Friday 12/31/2010	TOTAL
Cumulative by Facility in month																	
Max cumulative available engine run hours	1,536	1,632	1,728	1,824	1,920	2,016	2,112	2,208	2,304	2,400	2,496	2,592	2,688	2,784	2,880	2,880	
Actual cumulative engine run hours	1,159	1,231	1,303	1,375	1,448	1,520	1,592	1,664	1,736	1,805	1,877	1,949	2,021	2,094	2,166	2,166	
Cumulative Availability, %	75.5%	75.4%	75.4%	75.4%	75.4%	75.4%	75.4%	75.4%	75.3%	75.2%	75.2%	75.2%	75.2%	75.2%	75.2%	75.2%	
Max cumulative gross output, kWhr	1,267,200	1,346,400	1,425,600	1,504,800	1,584,000	1,663,200	1,742,400	1,821,600	1,900,800	1,980,000	2,059,200	2,138,400	2,217,600	2,296,800	2,376,000	2,376,000	
Actual cumulative gross output, kWhr	941,967	998,384	1,054,648	1,111,248	1,169,274	1,227,460	1,284,559	1,341,608	1,398,300	1,454,111	1,512,555	1,570,380	1,625,032	1,680,217	1,735,826	1,736,579	
Cumulative Capacity Factor	74.3%	74.2%	74.0%	73.8%	73.8%	73.8%	73.7%	73.6%	73.6%	73.4%	73.5%	73.4%	73.3%	73.2%	73.1%	73.1%	
Cumulative fuel input, MMBtu HHV	12,491	13,239	13,995	14,750	15,521	16,287	17,039	17,785	18,519	19,254	20,021	20,809	21,561	22,304	23,031	23,040	
Cumulative gross output, kWhr	941,967	998,384	1,054,648	1,111,248	1,169,274	1,227,460	1,284,559	1,341,608	1,398,300	1,454,111	1,512,555	1,570,380	1,625,032	1,680,217	1,735,826	1,736,579	
Heat Rate																	
Daily heat rate, Btu/kWe gross LHV	11,757	11,942	12,086	12,013	11,956	11,851	11,870	11,765	11,655	11,857	11,808	12,278	12,380	12,118	11,778	11,755	
Daily heat rate, Btu/kWe gross HHV	13,061	13,266	13,426	13,345	13,282	13,165	13,186	13,069	12,947	13,171	13,117	13,639	13,752	13,462	13,084	13,058	
Cumulative heat rate, Btu/kWe gross LHV	11,937	11,937	11,945	11,948	11,949	11,944	11,941	11,933	11,922	11,920	11,915	11,929	11,944	11,950	11,944	11,943	
Cumulative heat rate, Btu/kWe gross HHV	13,260	13,261	13,269	13,273	13,274	13,268	13,265	13,256	13,244	13,241	13,236	13,251	13,268	13,274	13,268	13,267	
Cumulative by Facility starting Calendar Year																	
Max cumulative available engine run hours	33,120	33,216	33,312	33,408	33,504	33,600	33,696	33,792	33,888	33,984	34,080	34,176	34,272	34,368	34,464	34,464	
Actual cumulative engine run hours	27,781	27,853	27,925	27,997	28,070	28,142	28,214	28,286	28,358	28,427	28,499	28,571	28,643	28,716	28,788	28,788	
Cumulative Availability, %	83.9%	83.9%	83.8%	83.8%	83.8%	83.8%	83.7%	83.7%	83.7%	83.6%	83.6%	83.6%	83.6%	83.6%	83.5%	83.5%	
Max cumulative gross output, kWhr	27,324,000	27,403,200	27,482,400	27,561,600	27,640,800	27,720,000	27,799,200	27,878,400	27,957,600	28,036,800	28,116,000	28,195,200	28,274,400	28,353,600	28,432,800	28,432,800	
Actual cumulative gross output, kWhr	20,350,296	20,406,713	20,462,977	20,519,577	20,577,603	20,635,789	20,692,888	20,749,937	20,806,629	20,862,440	20,920,884	20,978,709	21,033,361	21,088,546	21,144,155	21,144,908	
Cumulative Capacity Factor	74.5%	74.5%	74.5%	74.4%	74.4%	74.4%	74.4%	74.4%	74.4%	74.4%	74.4%	74.4%	74.4%	74.4%	74.4%	74.4%	
Cumulative fuel input, MMBtu HHV	269,511	270,260	271,015	271,770	272,541	273,307	274,060	274,806	275,540	276,275	277,041	277,830	278,582	279,324	280,052	280,060	
Cumulative gross output, kWhr	20,350,296	20,406,713	20,462,977	20,519,577	20,577,603	20,635,789	20,692,888	20,749,937	20,806,629	20,862,440	20,920,884	20,978,709	21,033,361	21,088,546	21,144,155	21,144,908	
Cumulative heat rate, Btu/kWe gross LHV	11,922	11,922	11,922	11,923	11,923	11,923	11,922	11,922	11,921	11,921	11,921	11,922	11,923	11,923	11,923	11,923	
Cumulative heat rate, Btu/kWe gross HHV	13,244	13,244	13,244	13,244	13,245	13,244	13,244	13,244	13,243	13,243	13,242	13,243	13,243	13,245	13,245	13,245	
Service																	
Engine 1																	
Engine 2																	
Engine 3																	
Engine 4	Rosen.																
Oil - oil and filter change								One well drilled	Drill rig repair.		Blizzard	Blizzard	Second well drilled				
Service - plugs, air filter, valve inspection and adjust													Drill rig broken, requires repair				
NSTAR Power Reports																	
Date	Thursday 12/16/2010	Friday 12/17/2010	Saturday 12/18/2010	Sunday 12/19/2010	Monday 12/20/2010	Tuesday 12/21/2010	Wednesday 12/22/2010	Thursday 12/23/2010	Friday 12/24/2010	Saturday 12/25/2010	Sunday 12/26/2010	Monday 12/27/2010	Tuesday 12/28/2010	Wednesday 12/29/2010	Thursday 12/30/2010	Friday 12/31/2010	TOTAL
Hour																	
1	2,432	2,424	2,257	2,291	2,319	2,425	2,333	2,296	2,309	2,304	2,379	2,431	2,286	2,180	2,294	2,286	
2	2,429	2,428	2,258	2,294	2,316	2,427	2,338	2,301	2,307	2,303	2,377	2,429	2,280	2,179	2,298	2,283	
3	2,424	2,416	2,257	2,296	2,312	2,421	2,335	2,295	2,303	2,301	2,376	2,428	2,279	2,182	2,297	2,283	
4	2,425	2,418	2,260	2,298	2,309	2,422	2,339	2,295	2,302	2,302	2,378	2,427	2,274	2,178	2,295	2,285	
5	2,425	2,417	2,260	2,297	2,310	2,428	2,335	2,295	2,300	2,300	2,378	2,429	2,270	2,181	2,291	2,285	
6	2,423	2,408	2,263	2,298	2,309	2,417	2,336	2,298	2,296	2,300	2,380	2,420	2,274	2,186	2,290	2,286	
7	2,410	2,415	2,261	2,300	2,308	2,414	2,340	2,294	2,293	2,297	2,379	2,375	2,269	2,184	2,290	2,283	
8	2,409	2,421	2,258	2,303	2,311	2,408	2,341	2,296	2,279	2,302	2,380	2,367	2,274	2,191	2,293	2,285	
9	2,416	2,370	2,273	2,303	2,316	2,407	2,347	2,302	2,282	2,304	2,379	2,361	2,276	2,188	2,283	2,286	
10	2,424	2,330	2,290	2,304	2,423	2,403	2,348	2,324	2,286	2,306	2,379	2,356	2,220	2,191	2,278	2,292	
11	2,426	2,332	2,296	2,306	2,359	2,401	2,358	2,337	2,302	2,306	2,390	2,352	2,216	2,255	2,269	2,292	
12	2,434	2,331	2,292	2,313	2,415	2,416	2,367	2,339	2,313	2,316	2,404	2,350	2,243	2,254	2,269	2,294	
13	2,440	2,327	2,295	2,320	2,417	2,422	2,368	2,338	2,311	2,314	2,407	2,343	2,246	2,261	2,276	2,303	
14	2,437	2,261	2,299	2,317	2,408	2,387	2,369	2,345	2,315	2,316	2,411	2,338	2,230	2,265	2,282	2,305	
15	2,436	2,258	2,294	2,309	2,407	2,360	2,372	2,342	2,312	2,315	2,416	2,327	2,162	2,266	2,281	2,298	
16	2,442	2,256	2,293	2,308	2,406	2,359	2,326	2,340	2,312	2,069	2,419	2,313	2,160	2,302	2,281	2,298	
17	2,439	2,248	2,286	2,310	2,409	2,348	2,293	2,338	2,306	1,533	2,421	2,313	2,171	2,304	2,277	2,298	
18	2,432	2,245	2,289	2,310	2,407	2,344	2,296	2,328	2,302	1,702	2,425	2,307	2,169	2,308	2,281	2,297	
19	2,430	2,244	2,289	2,313	2,415	2,341	2,297	2,323	2,299	2,358	2,429	2,299	2,168	2,307	2,282	2,293	
20	2,430	2,243	2,289	2,315	2,417	2,338	2,294	2,322	2,299	2,370	2,429	2,301	2,172	2,301	2,282	2,293	
21	2,430	2,241	2,291	2,315	2,422	2,338	2,294	2,317	2,301	2,380	2,427	2,293	2,183	2,297	2,280	2,294	
22	2,431	2,245	2,290	2,316	2,417	2,339	2,295	2,315	2,303	2,385	2,431	2,293	2,177	2,296	2,282	2,294	
23	2,429	2,247	2,288	2,317	2,418	2,334	2,298	2,313	2,303	2,380	2,427	2,287	2,178	2,296	2,285	2,296	
24	2,431	2,254	2,290	2,318	2,422	2,338	2,295	2,312	2,302	2,377	2,429	2,292	2,185	2,292	2,285	2,296	
TOTAL	58,284	55,779	54,718	55,371	56,972	57,237	55,914	55,605	55,237	54,140	57,650	56,431	53,362	53,844	54,821	55,005	
Cumulative Output Sold, kWhr	921,108	976,887	1,031,605	1,086,976	1,143,948	1,201,185	1,257,099	1,312,704	1,367,941	1,422,081	1,479,731	1,536,162	1,589,524	1,643,368	1,698,189	1,753,194	
Transformer and line efficiency	100.4%	101.8%	100.1%	100.6%	101.0%	101.3%	101.0%	100.6%	100.6%	100.1%	101.7%	100.6%	101.0%	100.8%	101.6%	100.4%	0.0%
Hourly average	2,429	2,324	2,280	2,307	2,374	2,385	2,330	2,317	2,302	2,256	2,402	2,351	2,223	2,244	2,284	2,292	2,356

[illegible]

Exhibit 9

Calibration of the LFG flow rate and provides a compilation of methane content calibration reports for the California Analytical Analyzer for the periods.

Landfill Gas Flow Calculation								
Crapo Hill Landfill, New Bedford/Dartmouth, Massachusetts								
Note: Calculation of volumetric flow of LFG through a pipe using a pitot tube and manometer.								
		Engine 1, kW	800	835	850	-	830	830
		Engine 2, kW	790	840	-	860	870	830
		Engine 3, kW	830	860	860	860	-	
		Engine 4, kW	-	-	835	835	740	830
		Gross, kW	2,420	2,535	2,545	2,555	2,440	2,490
MEASURING INSTRUMENT:		Pitot Tube:	166	166	166	166	166	166
		Manometer:	Dwyer Mark II	Dwyer Mark II	Dwyer Mark II	Dwyer Mark II	Dwyer Mark II	Dwyer Mark II
DATE OF MEASUREMENT:			27-Jul-10	16-Aug-10	30-Sep-10	25-Oct-10	30-Nov-10	6-Dec-10
TIME OF MEASUREMENT:			13:30	12:00	12:30	14:30	11:30	13:00
PARAMETERS		UNITS	VALUES	VALUES	VALUES	VALUES	VALUES	VALUES
Pipe dimensions								
Inside Diameter		inches	10.420	10.420	10.420	10.420	10.420	10.420
Area of cross section		square feet	0.5922	0.5922	0.5922	0.5922	0.5922	0.5922
Flow Calculation								
Kp	pitot tube constant	ft/sec[(lb/lb-mole)(in. Hg)/(R)(in H2O)]^1/2	85.49	85.49	85.49	85.49	85.49	85.49
Cp	Pitot tube coefficient	dimensionless	1.00	1.00	1.00	1.00	1.00	1.00
dP	Average velocity pressure of stack gas	in H2O	0.175	0.203	0.205	0.205	0.223	0.215
Blower Inlet								
Ts	Stack temperature	Degrees Fahrenheit	90	90	89	82	73	69
		Degrees Rankine	550	550	549	542	533	529
Pg	Stack static pressure	inch H2O	-60	-59	-53	-54	-60	-58
		inch Hg	(4.41)	(4.34)	(3.90)	(3.97)	(4.41)	(4.27)
Ps	Absolute stack gas pressure	inch Hg	25.59	25.65	26.00	25.93	26.04	25.17
Blower Outlet								
Ts	Stack temperature	Degrees Fahrenheit	109	110	110	110	110	110
		Degrees Rankine	569	570	570	570	570	570
Pg	Stack static pressure	inch H2O	47.1	47.1	47.1	47.1	47.1	47.1
		inch Hg	3.46	3.46	3.46	3.46	3.46	3.46
		psig	1.70	1.70	1.70	1.70	1.70	1.70
Pbar	Barometric pressure	inch Hg	30.00	29.99	29.90	29.90	30.45	29.44
Ps	Absolute stack gas pressure	inch Hg	33.46	33.45	33.36	33.36	33.91	32.90
Ms	Molecular weight of stack gas, wet	lb/lb-mole	27.39	27.43	27.50	27.59	27.82	27.71
Vs	Average stack gas velocity	feet per second	31.7	34.0	33.9	33.7	34.6	34.5
Qact	Volumetric Flow	actual cubic feet per minute	1,126	1,209	1,205	1,197	1,229	1,227
Qstd	Volumetric Flow at actual methane content	standard cubic feet per minute *	924	995	1,007	1,011	1,060	1,030
Qstd corr	Volumetric Flow at 50% methane	standard cubic feet per minute **	1,012	1,065	1,076	1,079	1,071	1,092
Ht HHV	Heat input	MMBtu per hour HHV	30.73	32.34	32.66	32.77	32.50	33.15
Ht LHV	Heat input	MMBtu per hour LHV	27.67	29.12	29.40	29.50	29.26	29.84
	Methane Content	%, vol/vol wet	54.77%	53.55%	53.40%	53.40%	50.52%	53.00%
Diff. between	pitot tube and orifice reading:		-1.6%	-1.7%	1.1%	0.8%	0.5%	0.4%
dP	Delta pressure across orifice plate	inches H2O	6.87	8.00	7.80	7.90	8.45	8.50
Qact	Volumetric Flow	acfm	905	977	965	971	1,004	1,007
Qstd	Volumetric Flow at actual methane content	standard cubic feet per minute *	939	1,012	996	1,003	1,054	1,026
Qstd	Volumetric Flow at 50% methane	standard cubic feet per minute **	1,028	1,084	1,064	1,071	1,065	1,087
Ht HHV	Heat input	MMBtu per hour HHV	31.22	32.90	32.31	32.51	32.34	33.01
Ht LHV	Heat input	MMBtu per hour LHV	28.10	29.61	29.08	29.27	29.11	29.72
* Standard conditions are corrected to 68 degrees F and 29.92 in Hg at actual methane content.								
** Standard conditions corrected to 50 % methane content.								
Input values are in blue or bold.								
Calculated output values are in black or not bold.								
Calculation Formulas:								
Vs = Kp*Cp*(sqrt dP) * sqrt (Ts/(Ps*Ms))								
Qact = Vs * A * 60								
Qstd = Qact * Tstd/ Ts * Ps/Pstd								
Flow, ACFM = 96.3221*SQRT(dP)*SQRT((460+Temperature)/(2.703*(Pressure +14.7)))								
Conversions and constants								
13.5958 in H2O/in Hg								
1 PSI = 2.036 in HG								
1 PSI = 27.68 in WG								
Tstd = 528 degrees R								
Pstd = 29.92 in Hg								
Methane heat content = 1,012 BTU per scf HHV								
Methane heat content = 911 BTU per scf LHV								

Landfill Gas Flow Measurements						
Crapo Hill Landfill, New Bedford/Dartmouth, Massachusetts						
Measurements by	TY/RB	TY/RB	TY/RB	TY/RB	TY/RB	TY/RB
Date	27-Jul-10	16-Aug-10	30-Sep-10	25-Oct-10	30-Nov-10	6-Dec-10
Time	13:30	12:00	12:30	14:30	11:30	13:00
Flow valve						
Pipe inside diameter, inches	10.42	10.42	10.42	10.42	10.42	10.42
Orifice measurement, cfm	NA	NA	NA	NA	NA	NA
Ambient Temperature, F	85	75	75	60	50	31
Barometric Pressure, In Hg	30.00	29.99	29.9	29.9	30.45	29.44
Blower Inlet Temperature, F	90	90	89	82	73	69
Outlet Temperature, F	109	110	110	110	110	110
Blower Inlet Pressure (SP), In H2O	-60	-59	-53	-54	-60	-58
Blower Outlet Pressure, PSIG	1.70	1.7	1.7	1.7	1.7	1.7
Blower Outlet Pressure, In H2O	47.06	47.06	47.06	47.06	47.06	47.06
Measurement						
Manometer						
Pitot Tube						
Velocity Pressure (dP)						
Point						
1	0.16	0.19	0.20	0.19	0.22	0.21
2	0.17	0.2	0.20	0.20	0.22	0.21
3	0.17	0.2	0.20	0.20	0.22	0.21
4	0.18	0.2	0.20	0.21	0.22	0.21
5	0.18	0.21	0.21	0.21	0.22	0.22
6	0.18	0.21	0.21	0.21	0.22	0.22
7	0.18	0.21	0.21	0.21	0.23	0.22
8	0.18	0.2	0.21	0.21	0.23	0.22
9						
Average	0.175	0.203	0.205	0.205	0.223	0.215
Gas Composition						
Compound, %v/v						
Methane (CH4)	54.8%	53.6%	53.4%	53.4%	50.5%	53.0%
Carbon dioxide (CO2)	40.3%	39.6%	39.8%	39.8%	38.3%	39.2%
Oxygen (O2)	0.12%	0.27%	0.20%	0.35%	0.67%	0.70%
Balance gas	4.80%	6.60%	6.60%	6.40%	10.51%	7.10%
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Moisture (H2O) (included in balance gas)	4.8%	4.8%	4.7%	3.7%	2.7%	2.3%
Molecular weight, lb/lb-mole wet	27.39	27.43	27.50	27.59	27.82	27.71

x = waiting on cal gas.

[illegible]

x = waiting on cal gas.

August 2010

[illegible]

x = waiting on cal gas.

x = awaiting repairs

[illegible]

x = waiting on cal gas.

x = awaiting repairs

[illegible]

x = waiting on cal gas.

x = awaiting repairs

[illegible]

Exhibit 10

Documents requested by First Environment on January 25, 2011

- a. Copy of most recent regulatory inspection
- b. Copy of current landfill operating permit and air permits associated with the project (flare and engines)
- c. Attestation that provides evidence that credits are not being verified under the VCS are not used in another GHG program other than VCS

Facility Inspection Report

Facility:	Crapo Hill Sanitary Landfill
Operator:	Greater New Bedford Regional Refuse Management District
Location:	Dartmouth; off Samuel Barnett Blvd., New Bedford
Date/Time:	December 16, 2010, 8:00 a.m. – 9:00 a.m.
Weather:	Clear and calm, 20°
Inspector:	Samuel G. Chapin, P.E.

19.130 (1): General	Practice: The landfill schedule is 7:15 a.m. to 3:15 p.m. Monday through Friday and 8:00 a.m. to 11:00 on Saturdays. The landfill operation incorporates procedures and practices in accordance with approved plans and permits to prevent pollution of groundwater, surface water, and air quality, and to prevent nuisance conditions from developing.
Comments: The landfill operations appeared well-organized and to be effectively managing incoming waste. Disposal operations are taking place at the western side of Phase 2, Cell 4. The trees and roadways surrounding the landfill were free of litter, and the landfill appeared clean, attractive and very well kept.	

19.130 (2): Operator Supervision	Practice: The operation of the landfill is under the supervision of a qualified manager with over 35 years of experience in solid waste management.
Comments: Two members of the landfill operations team have successfully completed the Manager of Landfill Operations course, two have successfully completed the Landfill Technical Associates, and seven have successfully completed the Training Course for Sanitary Landfill Operations Personnel. Training is under the auspices of the Solid Waste Association of North America.	

19.130 (3): Special Wastes	Practice: Materials classified as special waste according to 310 CMR 19.061(2) are not disposed at the landfill without an approval issued by the DEP.
Comments: No special waste was observed in the landfill.	

19.130 (4): Banned or Restricted Wastes	Practice: Restricted wastes pursuant to 310 CMR 19.017 are managed in accordance with the facility's Waste Ban Compliance Plan, approved by the DEP on May 18, 2006. Both New Bedford and Dartmouth have DEP approved recycling programs and provide curbside collection of household recyclables, which curtails the quantity of restricted waste entering the landfill. Leaves and yard wastes are composted on site and finished compost is made available to residents of the member communities. Waste wood is ground in a tub grinder. Tires and metals segregated from the incoming waste are held in dedicated, labeled containers placed on a concrete pad near the active area of the landfill.
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19.130 (4): Banned or Restricted Wastes Comments: No banned or restricted materials were observed in the landfilled waste. Small quantities of CRTs and televisions are held at the facility. The containers for holding tires and metals were in place. A container for corrugated cardboard is also maintained.

Review of ongoing monitoring and comprehensive load inspection records indicated the facility is operating in compliance with the Plan. Six comprehensive load inspections were performed in October 2010, five in November 2010, and three through the date of the inspection in December 2010. All waste loads inspected during comprehensive load inspections were in compliance with Waste Ban regulations. Ongoing waste monitoring resulted in separation of tires, CRTs, , white goods, cardboard, plastic and fluorescent bulbs for recycling or proper disposal. The staff maintains records of trucks and haulers, and manages the waste in accordance with regulations and the facility's Waste Ban Compliance Plan.

19.130 (5): Hazardous Wastes	Practice: The facility does not accept hazardous waste for disposal. A platform at the scalehouse allows for preliminary visual inspection of incoming waste loads, and a radiation detectors are mounted at the scalehouse. Employees have been trained in Hazard Communications for Landfill Operations.
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Comments: No hazardous wastes were observed during the inspection.

19.130 (6): Bulky Wastes	Practice: No waste material is accepted if it is too bulky to be properly spread and compacted by the landfill equipment. The facility accepts wood pallets, rubble and some brush. A tub grinder is used for grinding waste wood. The wood chips are spread for slope stabilization and as an additive to intermediate cover. The rubble is used to stabilize haul roads.
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Comments: No excessively bulky wastes were observed. The soil stockpile area contained piles of wood chips, loam, daily cover, crushed stone, a small amount of wood for shredding, compost, and landscaping materials. The dedicated boxes for metals and tires removed for recycling were on their concrete pad adjacent to the Phase 2 cells.

19.130 (7): Liquid Wastes	Practice: No liquid wastes are disposed at the landfill.
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Comments: No liquid wastes were observed.
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19.130 (8): Solid Waste Handling	Practice: All vehicles carrying solid waste for disposal are observed entering the facility on video camera and are checked in at the scalehouse. Two scales are used for incoming and outgoing trucks. From there the drivers are directed to the appropriate access to the active area of the landfill. Signs are posted on the approach to the landfill and on the landfill itself to direct drivers to the active face. An operator is always present at the active face when waste is incoming to supervise unloading. Solid waste deposited at the active face is spread and compacted in shallow lifts.
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Comments: Solid waste disposal operations were being carried out on the western side of Phase 2, Cell 4. Access to the active landfill area was being provided via an access ramp at the northeast corner of Cell 3. The active face was small and well kept.
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19.130 (9): Bird Hazards	Practice: The facility controls scavenging birds through the use of pyrotechnic, audio, and other methods. The nearest airport is three miles away.
Comments: A pyrotechnic cannon noise making device and a remotely activated, portable audio deterrent device are also available to deter scavenging birds. There were no gulls at the facility at the time of the inspection.	

19.130 (10): Equipment and Equipment Shelter	Practice: Heavy equipment used and maintained at the facility includes two compactors (a Rex 3-70C and a Caterpillar 826), a Caterpillar 315C excavator, a Caterpillar D-8N bulldozer, a Caterpillar D5H LGP bulldozer, a Komatsu D65PX bulldozer, a Caterpillar 426B backhoe, two Caterpillar 966 front loaders (one model F and one model G), and two Volvo articulated dump trucks (one model A25C and one model A25D). Also used and maintained at the facility are a small Takeuchi excavator, Genie S-65 lift truck with a 65 foot boom, a Yale forklift, a tub grinder, a Read Screen-All, an Elgin street sweeper, two small Ford tractors, equipment for the application of Posi-shell cover material, two water tank trucks, a one-ton dump truck, a Ford F-350 dump truck, three John Deere six wheeled all-terrain vehicles, a side-arm mower, and pickup trucks. This roster of equipment is sufficient to provide adequate compaction of solid waste and the proper operations and maintenance of the facility. In addition, this roster is sufficient to provide backup should any of the listed pieces of equipment become disabled. The equipment is maintained and repaired when necessary by a full time staff mechanic in a lighted, heated maintenance garage adjacent to the scalehouse. The aboveground diesel fuel tank is equipped with a pole and tether to suspend the vehicle filler hose, which reduces the potential for hose wear and accidental spillage. Waste oil is collected in a double-walled tank, and used oil filters are allowed to drain on an oil collecting screen. Bulk petroleum products are stored on four spill-containment pallets, and odor control agents are also stored on a spill containment pallet. The maintenance garage burns waste oil for heat.
Equipment and Equipment Shelter Comments: The Rex 3-70C compactor was in use at the active face. Also on the landfill near the active face were the Caterpillar D-5 bulldozer, the Caterpillar 315C excavator, and the Caterpillar 426B backhoe. The Read Screen-All and the scalper were in the materials laydown and processing area. The Caterpillar 966F and 966G front loaders were transporting cover soil. The Komatsu D65PX bulldozer, the Caterpillar D-8 bulldozer, the Posi-Shell applicator trailer, the Elgin street sweeper, and various pieces of small equipment were in the maintenance garage. The Volvo A25C end dump, the Volvo A25D end dump, the tub grinder, the Caterpillar 826H compactor, and the water truck were adjacent to the maintenance garage. The maintenance garage was well maintained and the management of oil and other materials appeared good.	

19.130 (11): Staffing	Practice: The landfill maintains a staff of nine employees: the operations manager, one foreman, one master mechanic, two equipment operators, one scalehouse attendant, and three utility technicians. Staffing is adequate to meet the needs of the facility's operations. All staff members are trained in landfill operations under the auspices of the Solid Waste Association of North America and are generally capable of performing multiple tasks. The operations manager or a designated deputy is continuously present at the facility during posted hours of operation.
Comments: Staff sufficient for full operations was present on the day of the inspection.	

19.130 (12): Employee Facilities	Practice: Employee facilities are available at the equipment maintenance garage.
Comments: The employee facilities were clean and functional.	

19.130 (13): Accident Prevention and Safety	Practice: All laborers and equipment operators undergo training in safety practices that must be followed in the vicinity of heavy equipment. Emergency telephone numbers are posted in the maintenance garage. The aboveground diesel fuel tank is equipped with a pole and tether to suspend the vehicle filler hose, which reduces the potential for hose wear and accidental spillage. First aid kits are maintained in all vehicles and heavy equipment. An eye wash station, emergency showers, a first aid cabinet, and a portable automated external defibrillator and other safety equipment are available in the maintenance garage. All vehicles and buildings are equipped with two-way radios to expedite communications between all areas of the landfill. An open field between the landfill and the adjacent Greater New Bedford Regional Refuse Management District office is designated as a Medevac helicopter landing site to serve the facility and the surrounding area
Accident Prevention and Safety Comments: All accident prevention and safety features appeared to be in place. The Operator has recently placed jersey barriers along the side of the access road at locations where the banks are steep. All staff have completed first aid and CPR training. Five staff members have completed OSHA 40-hour health and safety training. One District staff member is an Emergency Medical Technician and is a certified First Aid and CPR instructor. Other routine training includes operation of radiation monitors, hazard communications, asbestos awareness, hoisting engineers' license, and other specialized training.	

19.130 (14): Spreading and Compacting of Solid Waste	Practice: Waste is spread in layers not exceeding 3 feet in thickness and thoroughly compacted.
19.130 (14): Spreading and Compacting of Solid Waste Comments: The Rex 3-70C compactor was working on the active face, which was on the western side of Phase 2, Cell 4. Other equipment was also available near the active face. The active face was sufficiently small. There are three 4-foot diameter, ten foot tall steel risers in the center of Cell 3 and Cell 4, for access to the leachate removal piping to facilitate leachate and gas management.	

19.130 (15): Cover Material	Practice: An adequate supply of soil daily cover material is maintained at the landfill site, and a supply of materials for the Posi-Shell applicator is kept on hand. Cover soil stockpiles are maintained both within the landfill footprint and in the soil stockpile area. Outer slopes of the Phase 2 landfill are provided with intermediate cover. Posi-Shell synthetic cover is applied to some of the intermediate slopes in addition to soil cover to provide additional erosion control.
Comments: At least a 14-day supply of soil daily cover was on hand, including a large stockpile near the active face, and a supply in the soil stockpile/laydown area. Posi-Shell alternative cover had recently been used in the active area. Processed bottom ash from the SEMASS Resource Recovery facility is also used occasionally for daily cover, pursuant to an approval from MassDEP dated April 8, 2010, and a quantity of this material was being delivered and deposited near the active face at the time of the inspection. Stockpiles of intermediate cover are maintained and augmented via mixing of on-site compost with loam.	
19.130 (16): Vectors, Dust and Odor Control	Practice: <i>Vector</i> control is provided on an as-needed basis. <i>Dust</i> is controlled by routinely spraying water on dry roadways when necessary. <i>Odor</i> control is provided by applying daily cover material, and with the use of the existing gas extraction system and passive vent flares. The landfill gas power plant is the primary environmental control device for landfill gas. When necessary, odor control agents are added to the water applied on landfill roads for dust control, and sprayed from a spray system on the fence between the maintenance garage and Quanaoag Road. <i>Birds</i> are controlled with pyrotechnic cannons on the landfill which are equipped with solar powered battery chargers and activated using hand held remote devices operated by landfill personnel, and by a BirdXPeller sonic device that broadcasts distress calls. Bird control extends to assisting occupants of the neighboring Business Park in preventing gulls from landing on buildings through wires, ribbons, and other devices installed on rooftops.
Vectors, Dust and Odor Control Comments: No conditions requiring vector control were observed at the time of the inspection. Loam piles in the soil stockpile area are well vegetated to keep erosion and dust in control. Landfill equipment was working in the cells and in the stockpile area, and dust suppression was not necessary. The LFG power plant was in operation. Passive vent flares are used sparingly in controlling gas from other locations around the landfill as necessary, including one set up in a metal structure used to disperse odor masking agents, if necessary. Leachate cleanouts in Phase 2, Cells 3 and 4 have recently been connected to the gas extraction system. An Air-One power atomizer mounted on a trailer for applying dust and odor control agents is available when necessary. A compost filter on the vent pipe from the leachate pump station wet well serves to control potential odors from this location. Odor conditions were not present on the landfill at the time of the inspection. No landfill odor conditions were detected from the parking lot of the Facility's closest neighbor on Samuel Barnett Boulevard at approximately 9:20 a.m. The earthen berm between the landfill and neighbors on High Hill Road, Dartmouth continues to mitigate potential impacts across the High Hill Road cranberry bogs, and vegetation appears to be thriving, with some trees becoming established on the bog side of the berm. Trees on the western boundary of the cranberry bog property provide a further shield between the landfill and residents of High Hill Road.	

19.130 (17): Litter Control	Practice: Litter is managed using fence, controlled operations and regular litter pick-up. A 30-foot high litter control fence surrounds the landfill on three sides, and 4-foot high wire fencing is used at the toe of the landfill slope and in areas around the Phase 2 landfill cells. The facility's lift truck is useful in picking litter from the trees surrounding the landfill.
Comments: The landfill slopes and the area surrounding the landfill, including the trees and Quanapoag Road, were clean of litter. There was some litter on the side slopes immediately adjacent to the active face, and a litter picker was active.	
19.130 (18): Top Slope and Side Slopes	Practice: Final landfill side slopes do not exceed three horizontal to one vertical (3:1). Side slopes are dressed with intermediate cover soil and vegetated. The top surfaces of the landfill are graded sufficiently to direct storm water away from the active face and to prevent it from running off from daily covered areas of the landfill.
Comments: There are no slopes steeper than three horizontal to one vertical (3:1).	
19.130 (19): Storm Water Drainage	Practice: Storm water run-off from the outer slopes of the landfill is collected in a swale along the entire perimeter of the landfill and conveyed to a sedimentation/retention basin located to the west of the landfill. The surface of the landfill is graded to help contain contact runoff. Earthen berms are also used for this purpose, depending on the location of the operating area
Comments: The perimeter swales appeared to be functioning as designed. The storm water management basin held no water. Vegetation in the basin was low.	
19.130 (20): Erosion Control	Practice: Erosion is controlled by stabilizing earth cover on landfill slopes with vegetation or Posi-Shell as quickly as possible after landfilling. Vegetation and silt fencing are also used to control erosion. Small erosion rills on the lower slopes of the landfill are filled and seeded as necessary.
Comments: The vegetated side slopes were in good condition with no areas of erosion. The newly finished slopes of the Stage 3 Final Cover area are furnished with a synthetic-reinforced organic erosion control mat. Some vegetation is emergent through the mat. There was no evidence of solid waste or leachate being carried off site or siltation migrating off site due to erosion, and no indication of uncontrolled ponding on the landfill.	
19.130 (21): Boundary and Elevation Markers	Practice: The limits of the landfill can be clearly identified, and numerous points on the property boundary are monumented. A reference elevation marker is maintained on a concrete headwall adjacent to the access road on the north side of the landfill.
Comments: The limits of the landfill are clearly discernible and recoverable.	
19.130 (22): Access Roads	Practice: Access to the landfill is gained via Samuel Barnet Boulevard in the New Bedford Business Park. The road past the scalehouse and maintenance garage along the north side of the facility to the landfill gas power plant and the leachate pump station is paved. The remainder of the road around and up onto the landfill has a gravel surface
Comments: All roads were in good condition. The access ramp into Phase 2, Cells 3 and 4 at the northeastern corner of Cell 3 was in use.	

19.130 (23): Security	Practice: The main facility entrance, at Samuel Barnet Boulevard, has a locking gate, which is closed when the landfill is closed. A gate is also maintained on Quanapoag Road, which is routinely kept closed and locked. A gate on Quanapoag Road, providing access to the Greater New Bedford Regional Refuse Management District offices, is open during District office business hours. The landfill gas power generating facility is enclosed with its own chain link fence and gate. Chain link fencing limits access to the landfill areas from adjacent woodland.
19.130 (23): Security Comments: Fences and gates were in good condition.	
19.130 (24): Posting of the Landfill	Practice: Signs with the appropriate information on facility use and operations are located at the Facility entrance at Samuel Barnet Boulevard and at the scalehouse.
Comments: Signs were present and in good condition.	
19.130 (25): Open Burning	Practice: No open burning is practiced at the facility.
Comments: None.	
19.130 (26): Fire Protection and Control	Practice: The operator ensures that no materials are stored, held, maintained or placed at the landfill in such a manner as to pose a fire hazard. Fire protection is available via a fire hydrant located near the scalehouse and via water tank trucks that are maintained at the site.
Comments: Should a hot load enter the facility, it is placed in a well covered area on the landfill not less than 100 feet from the active face for quenching or snuffing.	
19.130 (27): Convenience and Recycling Drop-off Areas	Practice: No convenience or recycling drop-off centers are in use at the facility. These services are offered at other locations in the host communities.
Comments: None.	
19.130 (28): Waste Oil Collection	Practice: Waste oil is not collected at the facility. Waste oil generated during equipment maintenance is held in a properly labeled double-walled holding tank, located in the maintenance garage. Waste oil is periodically removed from the facility for proper recycling or disposal.
Comments: None.	
19.130 (29): Household Hazardous Waste Collection	Practice: Household hazardous waste is not collected at the landfill. This service is provided in the host communities at other locations.
Comments: None.	
19.130 (30): Leachate Collection, Treatment and Disposal	Practice: Leachate flows to a lift station with a 100,000-gallon aboveground holding tank, from which it is pumped to the New Bedford municipal sewer in Samuel Barnet Boulevard under Industrial Wastewater Discharge Permit #S044 issued by the City of New Bedford, Department of Public Infrastructure, and Sewer Connection Permit No. 130081/S00CI002A issued by the DEP.

Leachate Collection, Treatment and Disposal Comments: The leachate sewer lines were being cleaned by a contractor at the time of the inspection. The following monthly quantities of leachate were discharged to the New Bedford sewer: November 2010, 123,990 gallons.

19.130 (31): Phase Completion

Practice: All cells of Phase 1 and Phase 2 Cell 1, 2, 3 and 4 have received waste. Final cover has been installed over 11.6 acres of Phase 1, pursuant to an approval issued by the DEP on May 13, 2004, and 5.4 acres, mostly on the north slope of Phase 2, Cells 1 and 2, pursuant to an approval issued by the DEP on July 11, 2008.

Comments: The Stage 3 final cover project has been completed, pursuant to an approval issued by the DEP on March 24, 2010.

19.130 (32): Disruption of Landfill Areas

Practice: No disruption of landfill areas is carried out without notifying the Department.

Comments: The Stage 3 final cover project is complete. There have been two series of replacement landfill gas wells installed in 2010, and four additional replacement wells are scheduled to be installed before the end of the year. These wells will be reported to the DEP under separate cover. Landfill gas control structures such as vent flares and additional horizontal collectors are installed and maintained as needed. The Operator continues to install air lines to power leachate pumps being placed in some gas extraction wells and is installing additional condensate management structures to discharge the condensate to the leachate collection system. Leachate cleanouts in Phase 2, Cells 3 and 4 have recently been connected to the gas extraction system.

19.130 (33): Construction of Buildings

Practice: No buildings have been constructed on the landfill.

Comments: None.

19.130 (34): Records for Operational and Plan Execution

Practice: All incoming waste loads are weighed and logged in. Changes in the status of environmental control or monitoring systems are noted. Records regarding landfill operations, equipment maintenance, and environmental monitoring are kept at the landfill office. Other records are maintained at the District's office, adjacent to the landfill on Quanapoag Road.

Comments: The facility scalehouse was manned and routine waste load processing was being performed.

19.130 (35): Inspections

Practice: The facility is inspected on a bi-monthly basis. Environmental monitoring is performed quarterly in accordance with the facility's Interim Environmental Monitoring Plan approved by the DEP on July 25, 2002, as amended, and the results of are reported to the Department under separate cover after each quarterly event.

Comments: All operating and monitoring equipment, appurtenances and devices appeared to be operating normally. Any exceptions are noted in the body of this Report. The facility appeared to be operating in compliance with operation and maintenance requirements set forth at 310 CMR 19.130, the site assignment, current permits, and authorization to operate.

19.130 (36): Re-circulation of Leachate

Practice: No leachate re-circulation is practiced without approval from the Department of Environmental Protection.

Comments: None.

December 22, 2010

Mr. David Ellis, Section Chief, Solid Waste Management Section
Department of Environmental Protection
20 Riverside Drive
Lakeville, Massachusetts 02347

RE: DARTMOUTH - Inspection of Crapo Hill Sanitary Landfill, Project
#139361.001

Dear Mr. Ellis:

On behalf of the Greater New Bedford Regional Refuse Management District, enclosed please find the December 2010 bi-monthly inspection report for the Crapo Hill Landfill. The inspection was conducted in conformance with 310 CMR 19.130(35) for the purpose of evaluating compliance with the Massachusetts Solid Waste Management Facility Regulations, 310 CMR 19.000, most recently amended in June 2009. The inspection was performed on December 16, 2010 by the undersigned as representative of Brown and Caldwell, accompanied by Hank Van Laarhoven, Operations Director. Included with this report are analytical results for tests performed on leachate collected in November 2010 (two) and December 2010 (one), and tabulated detailed results of liquid level monitoring in the secondary collection systems during November and part of December 2010.

Very truly yours,

Brown and Caldwell

Samuel G. Chapin, P.E.
Supervising Engineer

SGC
139361 December 2010 Inspection

Enclosures

cc: Greater New Bedford Regional Refuse Management District
Robert Greene, DEP, Industrial Wastewater Permit Section
Brian Shanahan, Regional Director, Department of
Conservation & Recreation
Dartmouth Board of Health



COMMONWEALTH OF MASSACHUSETTS
EXECUTIVE OFFICE OF ENERGY & ENVIRONMENTAL AFFAIRS
DEPARTMENT OF ENVIRONMENTAL PROTECTION
SOUTHEAST REGIONAL OFFICE
20 RIVERSIDE DRIVE, LAKEVILLE, MA 02347 508-946-2700

DEVAL L. PATRICK
Governor

TIMOTHY P. MURRAY
Lieutenant Governor

IAN A. BOWLES
Secretary

LAURIE BURT
Commissioner

September 8, 2008

Mr. Hank VanLaarhoven
Greater New Bedford Regional Refuse Disposal District
300 Samuel Barnett Boulevard
New Bedford, Massachusetts 02052

RE: FINAL APPROVAL
Application for: BWPSW10
AUTHORIZATION TO OPERATE A LANDFILL
PHASE 2 CELLS 3 and 4

AT: Crapo Hill Landfill
300 Samuel Barnett Boulevard
New Bedford, Massachusetts 02052

Transmittal Number: W216617

Dear Mr. VanLaarhoven:

The Massachusetts Department of Environmental Protection ("MassDEP") has completed its review of the referenced Authorization to Operate ("ATO") permit renewal application (the "Application") concerning the approval of operation of Phase 2, Cells 3 and 4 of the Crapo Hill Landfill (the "Landfill" and/or the "Facility").

The Application was submitted on behalf of the Greater New Bedford Regional Refuse Disposal District ("District") by Brown and Caldwell ("B&C") of Middleborough, Massachusetts on April 9, 2008. A Determination of Administrative Completeness was issued by MassDEP on April 24, 2008.

SUBMITTALS

The following submittals represent the complete Application reviewed by MassDEP under the provisions of 310 CMR 19.000 *Solid Waste Management Facility Regulations* (the "Regulations") and MassDEP's *Landfill Technical Guidance Manual, May 1997* (the "Manual").

This information is available in alternate format. Call Donald M. Gomes, ADA Coordinator at 617-556-1057. TDD# 866-539-7622 or 617-574-6868.

DEP on the World Wide Web: <http://www.mass.gov/dep>



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- The Brown and Caldwell document entitled, “Application for Authorization to Operate Phase 2, Cells 3 and 4, Crapo Hill Landfill, Dartmouth, Massachusetts”, Volumes I and II, dated April 2008, received by MassDEP on April 9, 2008.
- Supplemental information regarding certification of the new stormwater basin received on July 28, 2008.
- Supplemental information regarding a response to MassDEP comments and pre-operation primary liner performance submitted by Brown and Caldwell and received by MassDEP on August 21, 2008.

PROJECT BACKGROUND

The Crapo Hill Landfill (the “Landfill” and/or the “Facility”) is owned and operated by the Greater New Bedford Regional Refuse Management District (the “District” or “Owner/Operator”). The Landfill Facility is located at 300 Samuel Barnett Boulevard, Dartmouth, Massachusetts. The Landfill is located on a 152-acre parcel of land (the “Site”) of which approximately sixty-nine (69) acres have been designated for development as a solid waste management facility. A solid waste site assignment was granted for the entire site (i.e. 152 acres) by Dartmouth Board of Health in accordance with the provisions of M.G.L. c.111, § 150A on August 26, 1981. According to the overall conceptual facility plan, the Landfill will be developed in three phases.

PROJECT HISTORY

- On August 26, 1981, a solid waste site assignment was granted for the site (i.e. 152 acres) by the Dartmouth Board of Health in accordance with the provisions of M.G.L. c.111, § 150A.
- On July 22, 1982, the Executive Office of Environmental Affairs issued a Final Environmental Impact Report (#4060) and determined that Landfill project complied with the Massachusetts Environmental Policy Act (“MEPA”) and that no further MEPA review was required.
- On January 26, 1993, MassDEP, in accordance with the provisions of 310 CMR 19.000, issued an Authorization to Construct (“ATC”) permit for Phase 1. Phase 1 was constructed with a single composite liner.
- On December 28, 1994, MassDEP, in accordance with the provisions of 310 CMR 19.000, issued an Authorization to Operate (“ATO”) permit for Phase 1.
- On July 12, 2000, MassDEP, in accordance with the provisions of 310 CMR 19.000, issued an Authorization to Construct (“ATC”) permit for Phase 2, Cells 1 and 2. Cells 1 and 2 of Phase 2 were each constructed with a double liner with a leak detection system.
- On April 22, 2002, MassDEP, in accordance with the provisions of 310 CMR 19.000, issued an Authorization to Operate (“ATO”) permit for Phase 2, Cells 1 and 2.

- On September 13, 2005, MassDEP, in accordance with the provisions of 310 CMR 19.000, issued a Landfill Major Modification approval for a New Stormwater Management System and Relocated Landfill Gas Flare.
- On December 15, 2006, MassDEP, in accordance with the provisions of 310 CMR 19.000, issued an Authorization to Construct (“ATC”) permit for Phase 2, Cells 3 and 4. Cells 3 and 4 of Phase 2 were each constructed with a double composite liner with a leak detection system. The authorization to operate these cells is the subject of this permit.

PHASE 2, CELLS #3 & #4 – CONSTRUCTION

The submitted information includes certified statements and documentation that the construction of Phase 2, Cells #3 & # 4 of the Landfill was conducted in accordance with MassDEP regulations, requirements and the MassDEP’s ATC permit dated December 15, 2006.

Groundwater Protection System

Cells #3 and #4 of Phase 2 of the Landfill have been constructed with a double composite liner with leak detection system and leachate collection system(s). The groundwater protection system for both cells has been constructed with a minimum 4-foot separation between the historical maximum high groundwater elevation and the bottom elevation of the low-permeability soil layer (top of sub-grade). The groundwater protection system has been constructed with a minimum slope of two-percent (2%) on the base liner.

The groundwater protection system for Cells #3 and #4 of Phase 2 has been constructed as follows (from top to bottom):

- A primary leachate collection layer/system consisting of a minimum 18-inch sand layer with a minimum hydraulic conductivity (k) of $\geq 1 \times 10^{-2}$ cm/sec with series of eight-inch (8”) diameter perforated leachate collection pipes, underlain by,
- A primary synthetic liner layer consisting of a 60-mil high density polyethylene (“HDPE”) flexible membrane liner (“FML”), underlain by,
- A geocomposite leak detection, drainage/monitoring layer consisting of a high density polyethylene (“HDPE”) geonet drainage layer constructed between two layers of non-woven geotextile, underlain by,
- A secondary synthetic liner layer consisting of a 60-mil high density polyethylene (“HDPE”) flexible membrane liner (“FML”), underlain by,
- A geocomposite clay liner layer (“GCL”) with a maximum hydraulic conductivity (k) of $\leq 3 \times 10^{-9}$ cm/sec, underlain by,
- A 12-inch compacted soil clay liner layer (two (2) six (6) inch lifts) with a maximum hydraulic conductivity (k) of $\leq 1 \times 10^{-7}$ cm/sec, and underlain by,
- A subgrade layer consisting of a minimum twelve (12) inch prepared and compacted soil.

Leachate Collection System

The leachate collection system has been designed and constructed to drain the primary liner system so that not more than one-foot (1’) of hydraulic head will develop on the liner, except during storm events. Leachate will drain from the liner system by gravity through the internal leachate sump, where it will be conveyed to the pump station for conveyance to either the two 100,000 gallon

above-ground holding tanks (for equalization or temporary storage), or to the gravity sewer for conveyance and treatment at the New Bedford Waste Water Treatment Plant.

Waste materials disposed in Phase 2 Cell 3 will partially overlie the existing side slope of Phase 2 Cell 2. In order to provide hydraulic separation between waste placed in the side slope area of Cell 2 and waste disposed in Cell 3, a hydraulic separation system consisting of twelve (12) inches of crushed stone placed above six (6) inches of intermediate cover material will be constructed along the Cell 2 side slope. The hydraulic separation system will be constructed during Cell 3 operation as the disposed waste elevation ascends the Cell 2 sideslope.

Leak Detection System

The leak detection system has been designed and constructed to detect and collect any leachate (i.e. leakage) that passes through the primary liner. Any leachate that passes through the primary liner will drain by gravity via the geonet drainage layer into an internal sump that is connected to the leachate collection system. The Facility will monitor and maintain records (i.e. daily log) concerning the leachate generated, collected and conveyed by the leachate control system. The secondary leachate flow rate will be monitored and, if established thresholds are exceeded, actions will be taken to identify potential sources of any leak and appropriate corrective actions implemented. Regulatory thresholds include a daily flow rate of 200 gallons per acre per day (gpac) measured daily and 100 gpac, averaged over thirty (30) days.

Storm Water Management System

The storm water management system for the Facility is designed to control run-off from a 100-year, 24-hour rainfall event. Containment berms, swales and channels have been constructed to control and convey storm water run-off to an on-site retention basin. The stormwater retention basin is located to the west of Cell #4.

The stormwater basin, which has a storage volume of approximately 13 acre-feet below the emergency spillway elevation of 122.5 feet, is designed to fully contain the approximate 11-acre feet of stormwater generated by the 24-hour duration, 100-year frequency storm of 7.1 inches over the post-development condition of 41.3 acres of closed and capped landfill. The basin has a capacity of approximately 17 acre-feet below the top of perimeter berm elevation of 123.5 feet and an access road to and around the basin that serves as a perimeter road around the landfill cells. New swales and conduits direct stormwater from the landfill side slopes to the basin.

In order to guard against potential adverse impacts to adjacent wetland areas from the operation of the Landfill, routine sampling and analysis of storm water retained in the basin will continue to be performed in order to monitor levels of potential turbidity and siltation (i.e. suspended and settleable solids) in the collected storm water. The routine monitoring will be performed on a monthly basis in accordance with a Superseding Order of Conditions issued by the Department in accordance with the Wetlands Protection Act MGL c.131, s.40 and the regulations 310 CMR 10.00, on September 12, 1988, and as extended by the Department on April 22, 1999.

Landfill Gas Control System

As Phase 2, Cells #3 & #4 is developed, provisions will be made for the planned installation of landfill gas controls in accordance with the approved plans. At present, Phase I and Phase II Cells 1

and 2 of the Landfill are partially equipped with an active landfill gas extraction system including vertical gas extraction wells, horizontal collectors, a flare and a gas-to-energy system.

Environmental Monitoring System

The Facility's environmental monitoring system has been modified as a result of the construction of Phase 2, Cells #3 & #4. In order to construct Phase 2, Cells #3 & #4, ground water wells #MW-12A, MW-12B and #MW-13 and gas monitoring probe GW-4A were decommissioned in March 2007. Replacement groundwater monitoring wells were installed and have been sampled as part of the ongoing routine monitoring program.

The Facility's environmental monitoring system now consists of ten (10) ground water monitoring points, (GW-1A, GW-1B, GE-7A, GW-7B, GW-9A, GW-9B, GW-10A, GW-10B, GW-17A, and GW-17B), two (2) surface water monitoring stations (SW-1 and SW-3), and seven (7) soil gas probes GW-1, GW-2, GW-3A, GW-5, GW-6, GW-7 AND GW-8). The Facility's environmental monitoring system will be sampled on a quarterly basis in accordance with the requirements and provisions contained at 310 CMR 19.132 and 19.133, and/or as otherwise required by MassDEP. In accordance with their sanitary sewer discharge permit(s), routine sampling, analysis and monitoring of leachate that is generated by the Landfill and discharges to the City of New Bedford sanitary sewer system will be performed.

PHASE 2, CELLS 3 AND 4 – OPERATION

Operating Hours

The Landfill Facility operates six (6) days per week (Monday through Saturday, fifty-two (52) weeks per year. **Reference Condition #8.**

Tonnage Rate

The Facility accepts and disposes up to 425 tons per day of municipal solid waste ("MSW") generated by the City of New Bedford and the Town of Dartmouth. All vehicles delivering solid waste to the Facility are weighed upon entering and exiting the Facility. The Facility maintains a daily log of all solid waste received by and disposed at the Landfill. **Reference Condition #7.**

Waste Inspections

All solid waste delivered to the Facility is inspected for the presence of unacceptable materials such as: hazardous waste, liquid waste, asbestos containing material ("ACM"), radioactive waste, infectious waste, bio-hazardous waste, special waste (e.g. sludge), and other "banned" waste (as per 310 CMR 19.017 and the Facility's "Waste Ban Compliance Plan" dated March 29, 2006). All waste unloading shall be supervised. All such "unacceptable" waste will be rejected and/or extracted from the waste stream and handled/managed appropriately. No hazardous waste, liquid waste, or radioactive waste will be disposed in the Landfill. No "special wastes" (e.g. ACM, infectious waste, and sludge) will be disposed in the Landfill except in accordance with a "special waste disposal permit" issued in accordance with 310 CMR 19.061. Recyclable materials such as: scrap metals, tires, white goods, batteries, CRTs, and wood will be extracted from the waste stream and delivered to appropriate recycling markets and/or permitted disposal sites. Wood waste, leaves, brush and yard waste will be accepted and composted in the Facility's approved/registered composting operation. **Reference Condition #10.**

Nuisance Controls

The Facility utilizes specific methods to prevent potential nuisance conditions that could develop from Landfill operations such as: dust, odor, noise, and/or litter. In the event a nuisance condition develops, measures shall be immediately taken in order to mitigate the nuisance condition, inclusive of the cessation of operation, until such time that the nuisance condition is abated. **Reference Condition #18.**

Environmental Monitoring System

The Facility's environmental monitoring system consists of thirteen (13) ground water monitoring points, two (2) surface water monitoring stations, and eight (8) soil gas probes. The Facility's environmental monitoring system will, on a quarterly basis, sample, analyze and comply with the requirements and provisions contained at 310 CMR 19.132 and 19.133, as otherwise required by MassDEP. It is additionally noted that the Facility, in accordance with their sanitary sewer discharge permit(s), will perform routine sampling, analysis and monitoring of leachate that is generated by the Landfill and which will discharge to the City of New Bedford sanitary sewer system. It is further noted that the Facility, in accordance with the Superceding Order of Conditions, will perform routine sampling, analysis and monitoring of storm water that is collected in the Facility's storm water retention basin.

CONDITIONAL APPROVAL

MassDEP, as a result of its review, has determined the Application satisfactorily and complies with the applicable sections of 310 CMR 19.000, all permitting criteria are met, and in accordance with the authority granted pursuant to Massachusetts General Laws, Chapter 111, Section 150A, MassDEP hereby conditionally approves the continued operation of Phase 2, Cells #3 & #4 of the Landfill Facility subject to the following conditions:

1. **Operational Compliance:** The Owner/Operator shall operate the Facility in compliance with applicable regulations, requirements, and/or as specified by this permit. There shall be no deviation from the permit without prior written approval from MassDEP.
2. **Notification:** Prior to disposal of waste in Phase 2, Cell 3 or Cell 4, the Operating Parties shall notify MassDEP in writing of the intent to commence waste disposal in each cell. The notification shall state the approximate date of commencement of operations and state that all final modifications to cease diverting stormwater and commence collection of leachate have been completed.
3. **Select Waste:** Only "select" solid waste, free of bulky waste, construction/demolition waste or other waste because of its length, shape, or character has the potential to puncture the liner shall be placed in the first lift [approximately five (5) feet] including the cell base area and lined berms.
4. **Construction Compliance:** The Owner/Operator shall not modify the approved Landfill design without prior written approval of MassDEP.
5. **Life of Permit:** This permit for operation of Phase 2, Cells #3 & #4 shall be valid for a period of five (5) years from the date of issuance or until Phase 2, Cells #3 & #4 reach capacity,

whichever comes first. This permit may be renewed in accordance with the provisions of 310 CMR 19.042(4). The Owner/Operator must submit an application for renewal of an authorization to operate, at least 180 days prior to the date of expiration, which shall include all appropriate information relating to the operation of the facility.

6. **Standard Conditions:** The Owner/Operator shall comply with the provisions of 310 CMR 19.130 “*Operation and Maintenance Requirements*”, as well as the provisions of 310 CMR 19.043 “*Standard Conditions*” concerning the operation and maintenance of the Landfill Facility.
7. **Tonnage Limits:** The Owner/Operator shall operate the Landfill at a maximum daily rate of 425 tons of solid waste per day.
8. **Operating Hours:** The Facility shall operate six (6) days per week Monday through Saturday, fifty-two (52) weeks per year.
9. **Signage:** The Facility shall, pursuant to 310 CMR 19.130(24), be equipped with a sign posted at the entrance to the Facility stating the owner information, emergency phone number, hours of operation, acceptable and unacceptable materials received at the Facility, other limitations, and penalties for unauthorized use if/as implemented by the Town of Dartmouth or the District.
10. **Waste Inspections:** The Owner/Operator shall, pursuant to 310 CMR 19.017 and 310 CMR 19.061 and 310 CMR 19.130(3), (4), (5),(7), and (11) conduct waste inspections for unacceptable materials. All waste unloading shall be supervised. All waste delivered to the Facility shall be inspected for: asbestos, hazardous waste, liquid waste, infectious waste, bio-hazardous waste, radioactive waste, sludges, and banned waste materials. Waste material that is determined to be unacceptable shall be rejected, and appropriate procedures implemented so as to ensure that the unacceptable/rejected materials are properly managed and are not disposed at the subject Landfill. No “unacceptable” waste shall be disposed of in the Landfill unless authorized by MassDEP. Additionally, in the event “unacceptable” waste is delivered to the Facility, especially hazardous waste and/or ACM, the Owner/Operator shall ensure that MassDEP and other appropriate authorities/facilities are immediately notified by telephone and a written report is submitted within twenty-four (24) hours. At a minimum, the report shall identify the type/amount of material, the hauler, the source, and the procedures implemented for proper disposition of the waste material.
11. **Facility Inspections:** The Owner/Operator shall, pursuant to 310 CMR 19.130(35), provide for bi-monthly inspections of the Facility. The inspections shall be performed by a registered Professional Engineer or other qualified professional approved by MassDEP. The Owner/Operator shall, pursuant to 310 CMR 19.043(5)(h), identify in writing, all duly authorized representatives. An inspection report shall be submitted to MassDEP by a duly authorized individual within fourteen (14) days of each inspection. The inspection report shall address all operational aspects and compliance status of the Facility. In the event a condition of noncompliance is identified, the report shall: clearly describe the issue of noncompliance, propose appropriate remediation actions, and include a compliance schedule for implementing the corrective action(s). The report shall also include a summary of all

waste that was rejected because of contamination or unacceptability please refer to Condition #8). The report shall also include a summary of all waste and material management records and the estimated volumes of all materials stockpiled on-site (i.e. metals, tires, wood waste) at the time of the inspection/reporting.

12. **Cover Material:** The Owner/Operator shall, pursuant to 310 CMR 19.130(15) and the approved plan, apply appropriate amounts of cover material (i.e. daily, intermediate, and final) at the Landfill as required and as deemed necessary.

NOTE: At present, the Facility utilizes a combination of traditional soil cover and alternative cover [i.e. "Posi-Shell" (approved by MassDEP on December 2, 1996)].

13. **Top Slopes, Side Slopes and Maximum Elevation:** The Owner/Operator shall, pursuant to 310 CMR 19.130(18), construct the Landfill such that: the external side slopes are not steeper than a ratio of 3:1 (horizontal to vertical), the top slope of the Landfill is "crowned" with at least a 5% grade, and that the maximum elevation of Phase 2, Cells #3 & #4 does not exceed 320 feet above means sea level.

14. **Leachate Controls:** The Owner/Operator shall, pursuant to 310 CMR 19.130(30), collect and control all leachate generated by the Facility. Additionally, in accordance with the 310 CMR 19.132(2)&(3) and the City of New Bedford's sewer discharge permit, the Owner/Operator shall perform routine sampling/monitoring of the quantity and quality of leachate effluent discharging into the City of New Bedford sewer system. The results of this sampling/analysis monitoring shall be recorded and maintained in the Facility's records management system. Summaries of this monitoring shall also be included in the Facility's routine (monthly) inspections/reports, and the Facility's annual report.

15. **Leachate Leakage Action Plan:** The Owner/Operator shall conduct leachate leakage monitoring in accordance with the approved leakage action plan. Pursuant to the October 7, 2005, revisions to the MassDEP Solid Waste regulations at 310 CMR 19.112(9)(c), the action leakage rate ("ALR") shall be 100 gallons per acre/day, based on a 30-day rolling average [any consecutive thirty (30) day period]. If the leakage rate exceeds the ALR, the Owner/Operator shall notify MassDEP, in writing, within forty-eight (48) hours and shall commence all appropriate actions stated in the Leachate Leakage Action Plan. As a minimum, these actions shall include meeting with MassDEP and submitting an engineering evaluation report to MassDEP within thirty (30)-days of the observed/measured exceedance.

Where leakage into the leak detection system is occurring at a rate greater than one half the ALR, based on a 30-day rolling average (a rolling average "Notification Flow Rate" ("NFR"), the Owner/Operator of the facility shall notify MassDEP in writing within seventy-two (72) hours. Such notification needs only to be made once in any thirty (30) day period.

Where a single day leakage rate exceeds twice the ALR (a single day NFR), the Owner/Operator shall notify MassDEP, in writing, within forty-eight (48) hours and shall commence all appropriate actions stated in the Leachate Leakage Action Plan. As a minimum, these actions shall include meeting with MassDEP and submitting an engineering evaluation report to MassDEP within thirty (30)-days of the observed/measured exceedance.

MassDEP shall reserve the right to modify the NFRs and AFR and/or the required responses as deemed appropriate or necessary.

16. **Storm Water Controls**: The Owner/Operator shall, pursuant to 310 CMR 19.115, control and collect all storm water at/from the Landfill Facility.
NOTE: Any storm water that comes into contact with solid waste shall be classified as contact water and shall be collected, handled, managed as "leachate".
17. **Environmental Monitoring**: The Owner/Operator shall, pursuant to 3210 CMR 19.132 and 19.133, continue to perform routine environmental monitoring of the Facility.
18. **Nuisance Conditions**: The Owner/Operator shall, pursuant to 310 CMR 19.043(5)(d), ensure that the Facility's operation does not cause or contribute to excessive emissions of: dust, odors, noise, erosion or other nuisances or adverse impacts to the environment. In the event such a nuisance condition develops as a result of Facility operations, the Owner/Operator shall immediately undertake whatever measures necessary to mitigate any potential or actual impacts from nuisance conditions. These measures could include cessation of operations until such time that the nuisance is abated and/or modifying operations to prevent the conditions from re-occurring. In the event of such a nuisance condition, MassDEP shall be promptly notified by telephone with a written follow-up report. Notice of the nuisance condition should also be recorded in the Facility's records management system and be included in the Facility's routine inspection report.
19. **Records**: The Owner/Operator shall, pursuant to 310 CMR 19.220, maintain at all times a daily log concerning Facility operations, with copies periodically forwarded to the Board of Health concerning Facility operations. The Owner/Operator shall retain copies of all personnel training records regarding operation and maintenance procedures, health and safety training, asbestos training, first aid, emergency procedures and any other training. All logs and records shall be available for MassDEP review upon request.
20. **Annual Report**: The Owner/Operator shall, pursuant to 310 CMR 19.130(34), submit an annual report to MassDEP summarizing Facility operations for the previous calendar year. The annual report shall be submitted to MassDEP on a form supplied by MassDEP by February 15th of each year.
21. **Financial Assurance Mechanism**: The Owner/Operator shall, pursuant to 310 CMR 19.051, establish, obtain, and continuously maintain thereafter a Financial Assurance Mechanism ("FAM"). The FAM estimate shall be revised annually, submitted to MassDEP biannually, and the FAM shall be adjusted as necessary as a result of inflation and/or other requirements.
22. **Local, State, Federal Requirements**: The Owner/Operator shall fully comply with all applicable local, state, and federal laws, regulations, and policies, by-laws, ordinances and agreements. Applicable federal regulations include, but are not limited to, 29 CFR Part 1910, OSHA standards governing employee health and safety in the workplace.
23. **Permit Limitations**: The issuance of this conditional approval is limited to approval of continued operation of Phase 2, Cells #3 & #4 of the Facility and does not relieve the

Owner/Operator from the responsibility to comply with all other regulatory or permitting requirements concerning the development and/or operation of the Facility. The Owner/Operator is required to submit for review and approval additional permit applications for the construction, operation, maintenance etc., of the Landfill Facility as the Landfill continues in its Phased development or as deemed necessary (due to certain necessary or desired modifications) or as required by MassDEP. MassDEP reserves the right to require additional assessment or action to protect and maintain the environment free from objectionable nuisance conditions, dangers or threats to public health or the environment.

24. **Air Quality Regulations:** The Owner/Operator shall comply with all applicable state (310 CMR 7.00 Air Pollution Control Regulations) and federal air pollution control regulations.

Note: Your attention is directed to 310 CMR 7.02 Plan Approval and Emission Limitations and specifically to 310 CMR 7.02(1)(b) & (d); 7.02(4)(a)1. & (b); and 7.02(5)(a)1. & (b). It will be necessary to calculate air contaminant emission rates (NMOC, VOCs, H₂S, CO, etc.) over all consecutive 12-month periods for all phases of landfill filling and closure to determine if construction and operation of the landfill will require the Owner/Operator to make application for plan approval pursuant to 310 CMR 7.02. Questions pertaining to the aforementioned Air Pollution Control Regulations and plan approval requirements should be directed to John Winkler (508-946-2779) at the Department's Southeast Regional Office.

Right to Appeal

This approval has been issued pursuant to M.G.L. Chapter 111, Section 150A, and 310 CMR 19.037: Procedure for Existing Facility Permits, Permit Modifications, Permit Renewals and other Approvals, of the "Solid Waste Management Regulations". Pursuant to 310 CMR 19.037(5), any person aggrieved by the issuance of this determination may file an appeal for judicial review of said decision in accordance with the provisions of M.G.L. Chapter 111, Section 150A and M.G.L. Chapter 30A not later than thirty days following receipt.

Notice of Appeal - Any aggrieved person intending to appeal the decision to the superior court shall provide notice to MassDEP of the intention to commence such action. Said notice of intention shall include MassDEP File Number W216617 and shall identify with particularity the issues and reason (s) why it is believed the approval decision was not proper. Such notice shall be provided to the Office of General Counsel of MassDEP and the Regional Director for the regional office that made the decision. The appropriate addresses to send such notices are:

Office of General Counsel
Department of Environmental Protection
One Winter Street
Boston, MA 02108

David Johnston
Acting Regional Director
Department of Environmental Protection
20 Riverside Drive
Lakeville, MA 02347

No allegation shall be made in any judicial appeal of this decision unless the matter complained of was raised at the appropriate point in the administrative review procedures established in those regulations, provided that matter may be raised upon showing that it is material and that it was not reasonably possible with due diligence to have been raised during such procedures, or that

matter sought to be raised is of critical importance to the public health or environmental impact of the permitted activity.

Should there be any questions, please contact me at the letterhead address or telephone me at (508) 946-2833 or Daniel Connick at (508) 946-2884.

In any correspondence regarding this permit, refer to Transmittal Number W216617.

Sincerely,

This final document copy is being provided to you electronically by the
Department of Environmental Protection. A signed copy of this document
is on file at the DEP office listed on the letterhead.

David B. Ellis, Chief
Solid Waste Management Section

E/DC/

C:\D\ Dartmouth\CRAPO\PH2Cell3&4\ATO\Phase 2 cell 3&4 ATO 9-08.doc

fc: Dartmouth Board of Selectmen
(509) 910-1894

Dartmouth Board of Health
(508) 910-1893

New Bedford-Office of the Mayor
(508) 991-6189

New Bedford Health Department
(508) 991-6291

Freetown Board of Selectmen
Freetown Board of Health
(508) 644-3342

cc: Ahead Headgear
270 Samuel Barnet Boulevard
New Bedford, MA 02745

ec: Brown & Caldwell
Schapin@brwncald.com

Rackeman Sawyer & Brewster
ATTN: S. Matathia
smatathia@rackemann.com

DEP-BOSTON
ATTN: J. Doucett



COMMONWEALTH OF MASSACHUSETTS
EXECUTIVE OFFICE OF ENERGY & ENVIRONMENTAL AFFAIRS
DEPARTMENT OF ENVIRONMENTAL PROTECTION
SOUTHEAST REGIONAL OFFICE
20 RIVERSIDE DRIVE, LAKEVILLE, MA 02347 508-946-2700

DEVAL L. PATRICK
Governor

TIMOTHY P. MURRAY
Lieutenant Governor

IAN A. BOWLES
Secretary

LAURIE BURT
Commissioner

AIR QUALITY OPERATING PERMIT

Issued by the Massachusetts Department of Environmental Protection ("The Department") pursuant to its authority under M.G.L. c. 111, §142B and §142D, 310 CMR 7.00 et seq., and in accordance with the provisions of 310 CMR 7.00: Appendix C.

ISSUED TO ["the Permittee"]:

Commonwealth New Bedford Energy, LLC
199 Corey Street
Boston, MA 02132

INFORMATION RELIED UPON:

Application No.: 4V06047
Transmittal No.: W109153

FACILITY LOCATION:

Greater New Bedford LFG Utilization Project
Crapo Hill Landfill
300 Samuel Barnett Boulevard
Dartmouth, MA 02745

FACILITY IDENTIFYING NUMBERS:

SSEIS ID: 120 0624
FMF FAC NO.: 402936
FMF RO NO.: 402937

NATURE OF BUSINESS:

Electric Power Generation

STANDARD INDUSTRIAL CODE (SIC):

4953

RESPONSIBLE OFFICIAL:

Name: Mr. Thomas Yeransian
Title: Principal

FACILITY CONTACT PERSON:

Name: Mr. Robert Whalley
Title: Operator
Phone: (508) 985-0923

This operating permit shall expire on January 3, 2013

For the Department of Environmental Protection, Bureau of Waste Prevention

*This final document copy is being provided to you electronically by the
Department of Environmental Protection. A signed copy of this document
is on file at the DEP office listed on the letterhead.*

Permit Chief

Date

1/3/08

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SPECIAL CONDITIONS FOR OPERATING PERMIT

1. PERMITTED ACTIVITIES

In accordance with the provisions of 310 CMR 7.00: Appendix C and applicable rules and regulations, the Permittee is authorized to operate air emission units as shown in Table 1 and exempt, and insignificant activities as described in 310 CMR 7.00: Appendix C (5) (h) and (i). The units described in Table 1 are subject to the terms and conditions shown in Sections 4, 5, and 6 and to other terms and conditions as specified in this permit. Emissions from exempt activities shall be included in the total facility emissions for the emission-based portion of the fee calculation described in 310 CMR 4.00 and this permit.

DESCRIPTION OF FACILITY AND OPERATIONS

Commonwealth New Bedford Energy, LLC, operates the Greater New Bedford LFG Utilization Project, a landfill gas (LFG) to energy, electric power generation facility located at the Crapo Hill Landfill in Dartmouth, Massachusetts. The facility is a major source, as defined in 310 CMR 7.00: Appendix C, of Carbon Monoxide (CO). The approved operation consists of up to five (5) identical LFG-fired reciprocating engine/generator sets. The reciprocating engines are Caterpillar Model 3516 engines. Each engine/generator set has a nominal output rating of approximately 825 kW of electricity, and a maximum output rating of 900 kW of electricity. The engines are housed in a generation building. Each engine has a separate exhaust stack, which all discharge through the generation building roof at an exhaust height of 30 feet above ground. All of the combusted landfill gas (LFG) comes from the Crapo Hill Landfill that is owned and operated by the Greater New Bedford Regional Refuse Management District.

Other equipment associated with Emission Units 1 through 5 include a landfill gas production system which conditions the LFG with a knockout drum, 2 (redundant) blowers, a cooler and a coalescing filter. The condensate from the conditioned LFG drains into the Landfill's leachate collection system for disposal. The engines are serviced by a closed-loop lubricating oil system that consists of a 2000-gallon virgin oil tank and a 2000-gallon waste oil tank. Each engine is cooled by a glycol/water mix that is run through a radiator outside of the building.

The key parameters that govern the facility operation are monitored and recorded through a Supervisory Control and Data Acquisition (SCADA) system. This electronic operator interface system allows for remote access to facility operations and is the main monitoring/recordkeeping tool. In addition, the operation of the engine-generators are controlled by General Electric Fanuc Programmable Logic Controllers (PLC) located in the switchgear for each engine, which controls include air to fuel ratio control, load control, electric generation controls and protective relays. The operation and control of the motors are by variable frequency drives (VFDs). The VFDs operate motors that drive the LFG blowers, the cooler, the engine room ventilation fans, and the radiators.

2. **EMISSION UNIT IDENTIFICATION**

The following emission units (Table 1) are subject to and regulated by this operating permit:

Table 1			
Emission Unit (EU)	Description of Emission Unit	EU Design Capacity	Pollution Control Device (PCD)
1 thru 5	Caterpillar Internal Combustion Eng. Model No. 3516	10,070,000 Btu/hr maximum heat input 900 kW generator maximum output	None

3. **IDENTIFICATION OF EXEMPT ACTIVITIES**

The following are considered exempt activities in accordance with the criteria contained in 310 CMR 7.00 Appendix C (5)(h):

Table 2	
Description of Current Exempt Activities	Reason
A list of exempt activities is contained in the Operating Permit application and shall be updated by the Permittee to reflect changes at the facility over the permit term. An up-to-date copy of exempt activities shall be kept on-site at the facility and a copy shall be submitted to the Department's Southeast Regional Office. Emissions from these activities shall be reported on the annual emissions statement pursuant to 310 CMR 7.12.	310 CMR 7.00, Appendix C(5)(h)

4. APPLICABLE REQUIREMENTS

A. EMISSION LIMITS AND RESTRICTIONS

The Permittee is subject to the emission limits/restrictions as contained in Table 3 below:

Table 3					
Emission Unit (EU)	Fuel	Pollutant	Emission Limit/Standard	Restrictions	Applicable Regulations and/or Approval No.
EU No. 1,2,3,4,5 (per engine)	LFG	SO ₂	0.064 lb/MMBtu 0.24 ton/month 2.81 tpy ^(Note 1)		4B04015
		PM	0.06 lb/MMBtu 0.21 ton/month 2.40 tpy ^(Note 1)		
		NO _x	0.60 grams/Bhp-hour 0.166 lb/MMBtu 0.62 ton/month 7.32 tpy ^(Note 1)		
		CO	0.83 lb/MMBtu 3.11 ton/month 36.61 tpy ^(Note 1)		
		NMOC	0.083 lb/MMBtu 0.31 ton/month 3.66 tpy ^(Note 1)	Reduce by 98 % by weight or 20 ppmvd, as hexane @ 3% O ₂	
		VOC	0.083 lb/MMBtu 0.31 ton/month 3.66 tpy ^(Note 1)		
		Visible emissions	Stack emissions shall not exceed 0% opacity (no visible emissions) exclusive of uncombined water vapor, with the exception of up to five (5) minutes during startup. During startup visible emissions shall comply with the provisions of 310 CMR 7.06		4B04015
EU No. 1,2,3,4,5 (aggregate)	LFG	SO ₂	1.20 ton/month 14.0tpy ^(Note 1)	Maximum Heat Input (HHV) 37,460 MMBtu/month	4B04015
		PM	1.05 ton/month 12.2 tpy ^(Note 1)	440,925 MMBtu/year ^(Note 2)	

Table 3					
Emission Unit (EU)	Fuel	Pollutant	Emission Limit/Standard	Restrictions	Applicable Regulations and/or Approval No.
EU No. 1,2,3,4,5 (aggregate)	LFG	NO _x	3.10 ton/month 36.6 tpy ^(Note 1)	Maximum Heat Input (HHV) 37,460 MMBtu/month 440,925 MMBtu/year ^(Note 2)	4B04015
		CO	15.5 ton/month 183.0 tpy ^(Note 1)		
		NMOC	1.55 ton/month 18.3 tpy ^(Note 1)		
		VOC	1.55 ton/month 18.3 tpy ^(Note 1)		

Table 3 Notes:

(Note 1) tpy means tons per year (consecutive twelve-month period)

(Note 2) Year means consecutive twelve-month period.

B. COMPLIANCE DEMONSTRATION

The Permittee is subject to the monitoring, testing, record keeping, and reporting requirements as contained in Tables 4, 5, and 6 below and 310 CMR 7.00 Appendix C (9) and (10), as well as applicable requirements contained in Table 3:

Table 4	
Emission Unit (EU)	Monitoring/Testing Requirements
<u>EU No.</u> 1,2,3,4,5	In accordance with Conditional Approval No. 4B04015 , each engine/ generator set shall be continuously monitored for run time and kW produced.
	In accordance with Conditional Approval No. 4B04015 , a LFG flow recorder shall be maintained so that an on-site record of the total volume of LFG fired by the five (5) engine/ generator sets will be available by date and time period.
	In accordance with Conditional Approval No. 4B04015 , monitor, by gas chromatograph and/or field measurements, the heat input of LFG (Btu) fired in Units Nos. 1 through 5 for each month and for each twelve-month rolling period (12-MRP).
	In accordance with Conditional Approval No. 4B04015 , one operable oxygen analyzer shall be maintained on-site and the stack outlet oxygen levels shall be measured at least once per week on each engine.
	In accordance with Final Operating Permit No. 4V06047 , sample the LFG to be combusted for hydrogen sulfide (H ₂ S) on a monthly basis. The sampling shall be conducted using a protocol and test method(s) that are approved by the Department.
	In accordance with Final Operating Permit No. 4V06047 , perform monthly visible emissions observations of each engine exhaust, in accordance with 40 CFR 60 Appendix A, Method 22, for a time period no less than fifteen (15) minutes while the engines are in operation.
	In accordance with Conditional Approval No. 4B04015 , The facility shall be constructed to accommodate the emission testing requirements contained in 40 CFR Part 60 Appendix A.
	In accordance with Conditional Approval No. 4B04015 , compliance emission testing, if requested by the Department, shall be conducted in accordance with the Department's "Guideline for Source Emission Testing" and test methods and procedures contained in 40 CFR Part 60 Appendix A.
	In accordance with Conditional Approval No. 4B04015 and 310 CMR 7.12 , monitor operations such that information may be compiled for the annual preparation of a Source Registration/ Emission Statement.

Table 4	
Emission Unit (EU)	Monitoring/Testing Requirements
<u>EU No.</u> 1,2,3,4,5	In accordance with 310 CMR 7.13(1) Any person owning, leasing, operating or controlling a facility for which the Department has determined that stack testing is necessary to ascertain compliance with the Department's regulations or design approval provisos shall cause such stack testing: a) to be conducted by a person knowledgeable in stack testing, b) to be conducted in accordance with procedures contained in a test protocol which has been approved by the Department, c) to be conducted in the presence of a representative of the Department when such is deemed necessary, and d) to be summarized and submitted to the Department with analysis and report within such time as agreed to in the approved test protocol.
	In accordance with 310 CMR 7.13(2) Any person having control of a facility relative to which the Department determines that stack testing (to ascertain the mass emission rates of air contaminants emitted under various operating conditions) is necessary for the purposes of regulatory enforcement or determination of regulatory compliance shall cooperate with the Department to provide: a) entrance to a location suitable for stack sampling, b) sampling ports at locations where representative samples may be obtained, c) staging and ladders to support personnel and equipment for performing the tests, d) a suitable power source at the sampling location for the operation of sampling equipment, and e) such other reasonable facilities as may be requested by the Department.
	In accordance with 310 CMR 7.00 Appendix C (9)(b), the Permittee, shall; 1. comply with all emissions monitoring and analysis procedures or test methods required under the applicable requirements, including those promulgated pursuant to 42 U.S.C. 7401, §§ 504(a) and 504(b) or 114(a)(3); 2. If the applicable requirement does not require periodic testing or instrumental or non-instrumental monitoring (which may consist of record keeping designed to serve as monitoring), then the permittee shall perform periodic monitoring sufficient to yield reliable data from the relevant time period that is representative of the source's compliance with the permit. Such monitoring requirements shall assure the use of terms, test methods, units, averaging periods, and other statistical conventions consistent with the applicable requirement. Record keeping provisions may be sufficient to meet the requirements; and 3. The permittee shall comply with requirements concerning the use, maintenance and installation of monitoring equipment or methods as the Department deems appropriate.

Table 5	
Emission Unit (EU)	Record Keeping Requirements
<u>EU No.</u> 1,2,3,4,5	In accordance with Conditional Approval No. 4B04015 , a record of the volume of LFG (scf) fired in each engine/ generator set for each month and for each 12-MRP shall be maintained on-site. This record shall take into account the total volume of LFG fired by the engine/generator sets and the individual engine/generator set run time and amount of electricity produced.
	In accordance with Conditional Approval No. 4B04015 , NO _x , CO, NMOC, VOC, PM, and SO ₂ , monthly and 12-MRP emission rate records for each unit shall be maintained on-site.
	In accordance with Conditional Approval No. 4B04015 , the heat input of LFG (Btu) fired in Unit Nos. 1 through 5, for each month and for each 12-MRP records shall be maintained on-site.
	In accordance with Conditional Approval No. 4B04015 , a copy of the NO _x /CO optimization/minimization program report for each engine shall be maintained on-site.
	In accordance with Conditional Approval No. 4B04015 , records of the weekly stack outlet oxygen levels on each engine shall be maintained.
	In accordance with Final Operating Permit No. 4V06047 , records of the monthly H ₂ S sampling results to include H ₂ S concentration (ppm) in LFG and the corresponding SO ₂ emission calculations.
	In accordance with Final Operating Permit No. 4V06047 , records of the monthly visible emissions observations to include date and time period of the observations, the result of observations with respect to visible emissions, and a description of the facility operations at the time of the observation.
	In accordance with Conditional Approval No. 4B04015 , a copy of the Standard Operating and Maintenance Procedures for all subject equipment shall be maintained on-site.
	In accordance with Conditional Approval No. 4B04015 , an operation log, or other record keeping system, shall be maintained on-site at a level of detail sufficient to document that the operation and emission limits contained in Section 4, Table 3 and Section 5 Special Terms and Conditions are not exceeded.
	In accordance with 310 CMR 7.12(3) maintain records to facilitate compilation of data for the annual Source Registration as required by 310 CMR 7.12. Copies of Source Registration and any other information supplied to the Department to comply with 310 CMR 7.12, shall be retained by the facility owner or operator for five years from the date of submittal.

Table 5	
Emission Unit (EU)	Record Keeping Requirements
<u>EU No.</u> 1,2,3,4,5	In accordance with Conditional Approval No. 4B04015, a record keeping system shall be established and maintained on-site. All records shall be maintained up-to-date such that the year-to-date information is readily available for Department examination. Record keeping shall, at a minimum, include: - a record of routine maintenance activities performed on emission unit control and monitoring equipment including, at a minimum, the type or a description of the maintenance performed and the date and time the work was completed; and - a record of all malfunctions on emissions unit control and monitoring equipment shall include, at a minimum: the date and time the malfunctions occurred; a description of the malfunctions and the corrective action taken; the date and time corrective actions were initiated; and the date and time corrective actions were completed and the emission unit returned to compliance. All records shall be kept on-site for five (5) years and shall be made available to Department personnel upon request.
	In accordance with Conditional Approval No. 4B04015, all operating and monitoring records, including emission test reports, shall be maintained for the life of the facility; the five (5) most recent years of data/records shall be maintained on-site.

Table 6	
Emission Unit (EU)	Reporting Requirements
<u>EU No.</u> 1,2,3,4,5	In accordance with Conditional Approval No. 4B04015 , revisions to the Final Standard Operating and Maintenance Procedures shall be submitted to the Department within seven (7) days from their initial use.
	In accordance with Conditional Approval No. 4B04015 , a stack test protocol shall be submitted to the Department at least 30 days prior to commencing compliance testing. The final emission test report shall be submitted to the Department within 30 days from the completion of on-site testing.
	In accordance with Conditional Approval No. 4B04015 , the Department's Permit Chief for the Bureau of Waste Prevention at this office must be notified by telephone, or fax within 24 hours, and with written notification within ten (10) days, after occurrence of any upsets or malfunctions to the facility equipment, air pollution control equipment, or monitoring equipment which result in an excess emission to the air and/or a condition of air pollution.
	In accordance with 310 CMR 7.00: Appendix C (10)(c) , the Permittee shall report a summary of all monitoring data and related supporting information to the Department at least every six months as specified in Section 10 of this document.
	In accordance with 310 CMR 7.00: Appendix C (10)(f) , the Permittee shall promptly report to the Department all instances of deviations from permit requirements. This report shall include the deviation itself, including those attributable to upset conditions as defined in the permit, the probable cause of the deviation, and any corrective actions or preventative measures taken.
	In accordance with 310 CMR 7.00: Appendix C (10)(h) , all required reports must be certified by a responsible official consistent with 310 CMR 7.00: <i>Appendix C (5)(c)</i>
	In accordance with Conditional Approval No. 4B04015 , the Permittee shall submit annually an emission statement/ source registration as required by 310 CMR 7.12(2)(a)1.
	All notifications and reporting ^(*) required by this Operating Permit shall be sent to: Department of Environmental Protection Bureau of Waste Prevention Southeast Regional Office 20 Riverside Drive Lakeville, MA 02347 ATTN: Chief, Permit Section Telephone: (508) 946-2770 Fax: (508) 947-6557 (*) The annual Source Registration/Emission Statement shall be submitted to the DEP Office specified in the instructions.

C. GENERAL APPLICABLE REQUIREMENTS

The Permittee shall comply with all generally applicable requirements contained in 310 CMR 7.00 et. seq. and 310 CMR 8.00 et. seq., when subject.

D. REQUIREMENTS NOT CURRENTLY APPLICABLE

The Permittee is currently not subject to the following requirements:

Table 7	
Regulation	Description/Reason
310 CMR 7.16	Reduction of Single Occupant Commuter Vehicle Use / Below employee threshold
42 USC 7401, §112	Hazardous Air Pollutants/ PTE < 10 tpy any single HAP, < 25 tpy all HAPs combined
42 USC 7401, §112(r)(7)	Accidental Release Prevention Requirements: Risk Management under the Clean Air Act §112(r) / Facility does not store, use, or process any of the listed compounds in quantities greater than thresholds.
40 CFR 82	Stratospheric Ozone/ No applicable activities conducted at Facility

5. **SPECIAL TERMS AND CONDITIONS**

- A. The Permittee is subject to the following special provisions that are not contained in Tables 3, 4, 5 and 6.

1. Emission Unit Nos. 1 through 5 construction shall be consistent with the Equipment and Design Schedule, in **Conditional Approval No. 4B04015**.

Unit Nos. 1 through 5 – Engine/Electric Generator Sets

Manufacturer	Caterpillar (or equiv.)
Model No.	3516 (or equiv.)
Max. Heat Input	10.07 MMBtu/hr/engine @ 900 kW
Fuel	Landfill Gas
Maximum Output	900 kW/generator
Nominal Output	825 kW/generator
Max. Stack Exit Temperature	960 °F
Stack Material	Steel
Stack Height	30 feet above ground
Stack Exit Diameter	12 inches
Silencer Manufacturer	EM Products (or equiv.)
Silencer Model No.	JCS12-X2608 (or equiv.)

Approximate Facility Location

UTM Coordinates (km)	334.925 E, 4620.880 N
Latitude/Longitude	N 41° 43' 28", W 70° 59' 5"

2. In accordance with **Conditional Approval No. 4B04015**:
- Unit No. 1 through 5 will operate at all times when the collected LFG is routed to the Unit.
 - There shall be no direct release or bypass of LFG from the facility to the ambient air.
 - The maximum heat input of LFG for the five engines, in total, shall not exceed 37,460 MMBtu per month.
 - The maximum heat input of LFG for the five engines, in total, shall not exceed 440,925 MMBtu in any consecutive twelve-month period.
 - Each engine shall reduce NMOC emissions by 98 percent by weight, or reduce the stack NMOC concentration to 20 parts per million as hexane by volume, dry basis at 3 percent oxygen, or less.
3. In accordance with **Conditional Approval No. 4B04015**, sound impacts shall not exceed 10 dB (A) above background and shall not cause a puretone condition as defined in the Department's DAQC Policy No. 90-001. (state only requirement)
4. In accordance with **Conditional Approval No. 4B04015**, department personnel shall be provided immediate access to the plant site, buildings, and all pertinent records for the purpose of making inspections and surveys, collecting samples, obtaining data, and reviewing records.
5. In accordance with **Conditional Approval No. 4B04015**, if any nuisance condition(s) should be generated by the operation of this facility, immediate appropriate steps shall be taken to abate the nuisance condition(s). (state only requirement)

6. ALTERNATIVE OPERATING SCENARIOS

The Permittee did not request alternative operating scenarios in its operating permit application.

7. EMISSIONS TRADING

(a) Intra-facility emission trading

The Permittee did not request intra-facility emissions trading in its operating permit application.

Pursuant to 310 CMR 7.00: Appendix C(7)(b), emission trades, provided for in this permit, may be implemented provided the Permittee notifies The United States Environmental Protection Agency (EPA) and the Department at least fifteen (15) days in advance of the proposed changes and the Permittee provides the information required in 310 CMR 7.00: Appendix C(7)(b)3.

Any intra-facility change that does not qualify pursuant to 310 CMR 7.00: Appendix C(7)(b)2 is required to be submitted to the Department pursuant to 310 CMR 7.00: Appendix B.

(b) Inter-facility emission trading

The Permittee did not request inter-facility emissions trading in its operating permit application.

All increases in emissions due to emission trading, must be authorized under the applicable requirements of 310 CMR 7.00: Appendix B (the "Emissions Trading Program") and the 42 U.S.C. §7401 et seq. (the "Act"), and provided for in this permit.

8. COMPLIANCE SCHEDULE

The Permittee has indicated that the facility is in compliance and shall remain in compliance with the applicable requirements contained in Sections 4 and 5.

In addition, the Permittee shall comply with any applicable requirements that become effective during the permit term.

GENERAL CONDITIONS FOR OPERATING PERMIT

9. FEES

The Permittee has paid the permit application processing fee and shall pay the annual compliance fee in accordance with the fee schedule pursuant to 310 CMR 4.00.

10. COMPLIANCE CERTIFICATION

All documents submitted to the Department shall contain certification by the responsible official of truth, accuracy, and completeness. Such certification shall be in compliance with 310 CMR 7.01(2) and contain the following language:

"I certify that I have personally examined the foregoing and am familiar with the information contained in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including possible fines and imprisonment."

The "Operating Permit Reporting Kit" contains instructions and the Annual Compliance Report and Certification and the Semi-Annual Monitoring Summary Report and Certification. The "Operating Permit Reporting Kit" is available to the Permittee via the Department's web site, <http://www.mass.gov/dep/air/approvals/aqforms.htm#op>.

(a) Annual Compliance Report and Certification

The Responsible Official shall certify, annually for the calendar year, that the facility is in compliance with the requirements of this permit. The report shall be postmarked or delivered by January 30 to the Department and to the Regional Administrator, U.S. Environmental Protection Agency - New England Region. The report shall be submitted in compliance with the submission requirements below.

The compliance certification and report shall describe:

- i. the terms and conditions of the permit that are the basis of the certification;
- ii. the current compliance status and whether compliance was continuous or intermittent during the reporting period;
- iii. the methods used for determining compliance, including a description of the monitoring, record keeping, and reporting requirements and test methods; and
- iv. any additional information required by the Department to determine the compliance status of the source.

(b) Semi-Annual Monitoring Summary Report and Certification

The Responsible Official shall certify, semi-annually on the calendar year, that the facility is in compliance with the requirements of this permit. The report shall be postmarked or delivered by

January 30 and July 30 to the Department. The report shall be submitted in compliance with the submission requirements below.

The compliance certification and report shall describe:

- i. the terms and conditions of the permit that are the basis of the certification;
- ii. the current compliance status during the reporting period;
- iii. the methods used for determining compliance, including a description of the monitoring, record keeping, and reporting requirements and test methods;
- iv. whether there were any deviations during the reporting period;
- v. if there are any outstanding deviations at the time of reporting, and the Corrective Action Plan to remedy said deviation;
- vi. whether deviations in the reporting period were previously reported;
- vii. if there are any outstanding deviations at the time of reporting, the proposed date of return to compliance;
- viii. if the deviations in the reporting period have returned to compliance and date of such return to compliance; and
- ix. any additional information required by the Department to determine the compliance status of the source.

11. NONCOMPLIANCE

Any noncompliance with a permit condition constitutes a violation of 310 CMR 7.00: Appendix C and the Clean Air Act, and is grounds for enforcement action, for permit termination or revocation, or for denial of an operating permit renewal application by the Department and/or EPA. Noncompliance may also be grounds for assessment of administrative or civil penalties under M.G.L. c.21A, §16 and 310 CMR 5.00; and civil penalties under M.G.L. c.111, §142A and 142B. This permit does not relieve the Permittee from the obligation to comply with any other provisions of 310 CMR 7.00 or the Act, or to obtain any other necessary authorizations from other governmental agencies, or to comply with all other applicable Federal, State, or Local rules and regulations, not addressed in this permit.

12. PERMIT SHIELD

(a) This facility has a permit shield provided that it operates in compliance with the terms and conditions of this permit. Compliance with the terms and conditions of this permit shall be deemed compliance with all applicable requirements specifically identified in Sections 4, 5, 6, and 7, for the emission units as described in the Permittee's application and as identified in this permit.

Where there is a conflict between the terms and conditions of this permit and any earlier approval or permit, the terms and conditions of this permit control.

(b) The Department has determined that the Permittee is not currently subject to the requirements listed in Section 4, Table 7.

(c) Nothing in this permit shall alter or affect the following:

- (i) the liability of the source for any violation of applicable requirements prior to or at the time of permit issuance.
- (ii) the applicable requirements of the Acid Rain Program, consistent with 42 U.S.C. §7401, §408(a); or
- (iii) the ability of EPA to obtain information under 42 U.S.C. §7401, §114 or §303 of the Act.

13. ENFORCEMENT

The following regulations found at 310 CMR 7.02(8)(h) Table 6 for wood fuel, 7.02(8)(i), 7.04(9), 7.05(8), 7.09 (odor), 7.10 (noise), 7.18(1)(b), 7.21, 7.22 and any condition(s) designated as "state only" are not federally enforceable because they are not required under the Act or under any of its applicable requirements. These regulations and conditions are not enforceable by the EPA. Citizens may seek equitable or declaratory relief to enforce these regulations and conditions pursuant to Massachusetts General Law Chapter 214, Section 7A

All other terms and conditions contained in this permit, including any provisions designed to limit a facility's potential to emit, are enforceable by the Department, EPA and citizens as defined under the Act.

A Permittee shall not claim as a defense in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.

14. PERMIT TERM

This permit shall expire on the date specified on the cover page of this permit, which shall not be later than the date 5 years after issuance of this permit.

Permit expiration terminates the Permittee's right to operate the facility's emission units, control equipment or associated equipment covered by this permit, unless a timely and complete renewal application is submitted at least 6 months before the expiration date.

15. PERMIT RENEWAL

Upon the Department's receipt of a complete and timely application for renewal, this facility may continue to operate subject to final action by the Department on the renewal application.

In the event the Department has not taken final action on the operating permit renewal application prior to this permit's expiration date, this permit shall remain in effect until the Department takes final action on the renewal application, provided that a timely and complete renewal application has been submitted in accordance with 310 CMR 7.00: Appendix C(13).

16. REOPENING FOR CAUSE

This permit may be modified, revoked, reopened, and reissued, or terminated for cause by the Department and/or EPA. The responsible official of the facility may request that the Department terminate the facility's operating permit for cause. The Department will reopen and amend this permit in accordance with the conditions and procedures under 310 CMR 7.00: Appendix C(14).

The filing of a request by the Permittee for an operating permit revision, revocation and reissuance, or termination, or a notification of a planned change or anticipated noncompliance does not stay any operating permit condition.

17. DUTY TO PROVIDE INFORMATION

Upon the Department's written request, the Permittee shall furnish, within a reasonable time, any information necessary for determining whether cause exists for modifying, revoking and reissuing, or terminating the permit, or to determine compliance with the permit. Upon request, the Permittee shall furnish to the Department copies of records that the Permittee is required to retain by this permit.

18. DUTY TO SUPPLEMENT

The Permittee, upon becoming aware that any relevant facts were omitted or incorrect information was submitted in the permit application, shall promptly submit such supplementary facts or corrected information. The Permittee shall also provide additional information as necessary to address any requirements that become applicable to the facility after the date a complete renewal application was submitted but prior to release of a draft permit.

The Permittee shall promptly, on discovery, report to the Department a material error or omission in any records, reports, plans, or other documents previously provided to the Department.

19. TRANSFER OF OWNERSHIP OR OPERATION

This permit is not transferable by the Permittee unless done in accordance with 310 CMR 7.00: Appendix C(8)(a). A change in ownership or operation control is considered an administrative permit amendment if no other change in the permit is necessary and provided that a written agreement containing a specific date for transfer of permit responsibility, coverage and liability between current and new Permittee, has been submitted to the Department.

20. PROPERTY RIGHTS

This permit does not convey any property rights of any sort, or any exclusive privilege.

21. INSPECTION AND ENTRY

Upon presentation of credentials and other documents as may be required by law, the Permittee shall allow authorized representatives of the Department, and EPA to perform the following:

- (a) enter upon the Permittee's premises where an operating permit source activity is located or emissions-related activity is conducted, or where records must be kept under the conditions of this permit;
- (b) have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;
- (c) inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this permit; and
- (d) Sample or monitor at reasonable times any substances or parameters for the purpose of assuring compliance with the operating permit or applicable requirements as per 310 CMR 7.00 Appendix C(3)(g)(12).

22. PERMIT AVAILABILITY

The Permittee shall have available at the facility, at all times, a copy of the materials listed under 310 CMR 7.00: Appendix C(10)(e) and shall provide a copy of the permit, including any amendments or attachments thereto, upon request by the Department or EPA.

23. SEVERABILITY CLAUSE

The provisions of this permit are severable, and if any provision of this permit, or the application of any provision of this permit to any circumstances, is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby.

24. EMERGENCY CONDITIONS

The Permittee shall be shielded from enforcement action brought for noncompliance with technology based¹ emission limitations specified in this permit as a result of an emergency². In order to use emergency as an affirmative defense to an action brought for noncompliance, the

¹ Technology based emission limits are those established on the basis of emission reductions achievable with various control measures or process changes (e.g., a new source performance standard) rather than those established to attain health based air quality standards.

² An "emergency" means any situation arising from sudden and reasonably unforeseeable events beyond the control of the source, including acts of God, which situation would require immediate corrective action to restore normal operation, and that causes the source to exceed a technology based limitation under the permit, due to unavoidable increases in emissions attributable to the emergency. An emergency shall not include noncompliance to the extent caused by improperly designed equipment, lack of preventative maintenance, careless or improper operations, operator error or decision to keep operating despite knowledge of any of these things.

Permittee shall demonstrate the affirmative defense through properly signed, contemporaneous operating logs, or other relevant evidence that:

- (a) an emergency occurred and that the Permittee can identify the cause(s) of the emergency;
- (b) the permitted facility was at the time being properly operated;
- (c) during the period of the emergency, the Permittee took all reasonable steps as expeditiously as possible, to minimize levels of emissions that exceeded the emissions standards, or other requirements in this permit; and
- (d) the Permittee submitted notice of the emergency to the Department within two (2) business days of the time when emission limitations were exceeded due to the emergency. This notice must contain a description of the emergency, any steps taken to mitigate emission, and corrective actions taken.

If an emergency episode requires immediate notification to the Bureau of Waste Site Cleanup/Emergency Response immediate notification to the appropriate parties should be made as required by law.

25. PERMIT DEVIATION

Deviations are instances where any permit condition is violated and not reported as an emergency pursuant to section 24 of this permit. Reporting a permit deviation is not an affirmative defense for action brought for noncompliance. Any reporting requirements listed in Table 6. of this Operating Permit shall supercede the following deviation reporting requirements, if applicable.

The Permittee shall report to the Department's Regional Bureau of Waste Prevention the following deviations from permit requirements, by telephone or fax, within three (3) days of discovery of such deviation:

- Unpermitted pollutant releases, excess emissions or opacity exceedances measured directly by CEMS/COMS, by EPA reference methods or by other credible evidence, which are ten percent (10%) or more above the emission limit.
- Exceedances of parameter limits established by your Operating Permit or other approvals, where the parameter limit is identified by the permit or approval as surrogate for an emission limit.
- Exceedances of permit operational limitations directly correlated to excess emissions.
- Failure to capture valid emissions or opacity monitoring data or to maintain monitoring equipment as required by statutes, regulations, your Operating Permit, or other approvals.
- Failure to perform QA/QC measures as required by your Operating Permit or other approvals for instruments that directly monitor compliance.

For all other deviations, three (3) day notification is waived and is satisfied by the documentation required in the subsequent Semi-Annual Monitoring Summary and Certification. Instructions and forms for reporting deviations are found in the Massachusetts Department of Environmental Protection Bureau of Waste Prevention Air Operating Permit Reporting Kit, which is available to

the Permittee via the Department's web site,
<http://www.mass.gov/dep/air/approvals/aqforms.htm#op>.

This report shall include the deviation, including those attributable to upset conditions as defined in the permit, the probable cause of such deviations, and the corrective actions or preventative measures taken.

Deviations that were reported by telephone or fax within 3 days of discovery, said deviations shall also be submitted in writing via the Operating Permit Deviation Report to the regional Bureau of Waste Prevention within ten (10) days of discovery. For deviations, which do not require 3-day verbal notification, follow-up reporting requirements are satisfied by the documentation required in the aforementioned Semi-Annual Monitoring Summary and Certification.

26. OPERATIONAL FLEXIBILITY

The Permittee is allowed to make changes at the facility consistent with 42 U.S.C. §7401, §502(b)(10) not specifically prohibited by the permit and in compliance with all applicable requirements provided the Permittee gives the EPA and the Department written notice fifteen days prior to said change; notification is not required for exempt activities listed at 310 CMR 7.00: Appendix C(5)(h) and (i). The notice shall comply with the requirements stated at 310 CMR 7.00: Appendix C(7)(a) and will be appended to the facility's permit. The permit shield allowed for at 310 CMR 7.00: Appendix C(12) shall not apply to these changes.

27. MODIFICATIONS

(a) Administrative Amendments - The Permittee may make changes at the facility which are considered administrative amendments pursuant to 310 CMR 7.00: Appendix C(8)(a)1., provided they comply with the requirements established at 310 CMR 7.00: Appendix C(8)(b).

(b) Minor Modifications - The Permittee may make changes at the facility which are considered minor modifications pursuant to 310 CMR 7.00: Appendix C(8)(a)2., provided they comply with the requirements established at 310 CMR 7.00: Appendix C(8)(d).

(c) Significant Modifications - The Permittee may make changes at the facility which are considered significant modifications pursuant to 310 CMR 7.00: Appendix C(8)(a)3., provided they comply with the requirements established at 310 CMR 7.00: Appendix C(8)(c).

(d) No permit revision shall be required, under any approved economic incentives program, marketable permits program, emission trading program and other similar programs or processes, for changes that are provided in this operating permit. A revision to the permit is not required for increases in emissions that are authorized by allowances acquired pursuant to the Acid Rain Program under Title IV of the Act, provided that such increases do not require an operating permit revision under any other applicable requirement.

28. List of Abbreviations

Btu	= British thermal units
CFR	= Code of Federal Regulations
CMR	= Code of Massachusetts Regulations
CO	= Carbon monoxide
ft ³	= Cubic foot
°C	= Degrees Celsius
°F	= Degrees Fahrenheit
Eng.	= Engine
EU	= Emission Unit
grams/Bhp-hour	= Grams per brake-horsepower hour
H ₂ S	= Hydrogen Sulfide
IA	= insignificant activity
lb/MMBtu	= Pounds per million Btu
LFG	= Landfill Gas
Mg	= Megagrams
MW	= Megawatt
MMBtu	= Million Btu
MMBtu/hr	= Million British thermal units per hour
N/A	= Not Applicable
NMOC	= Non-Methane organic compounds
No.	= Number
NO _x	= Oxides of nitrogen
O ₂	= Oxygen
PCD	= Pollution Control Device
PM	= Particulate matter
ppmvd	= Parts per million, by volume dry basis
PTE	= Potential to Emit
scf	= Standard cubic foot
SO ₂	= Sulfur dioxide
tpy	= Tons per consecutive twelve month period
U.S.C.	= United States Code
%	= Percent
<	= Less than
>	= Greater than
≤	= Less than or equal to
≥	= Greater than or equal to
§	= Section
12-MRP	= twelve-month rolling period or a consecutive twelve-month period of time

APPEAL CONDITIONS FOR OPERATING PERMIT

This permit is an action of the Department. If you are aggrieved by this action, you may request an adjudicatory hearing within 21 days of issuance of this permit. In addition, any person who participates in any public participation process required by the Federal Clean Air Act, 42 U.S.C. §7401, §502(b)(6) or under 310 CMR 7.00: Appendix C(6), with respect to the Department's final action on operating permits governing air emissions, and who has standing to sue with respect to the matter pursuant to federal constitutional law, may initiate an adjudicatory hearing pursuant to Chapter 30A, and may obtain judicial review, pursuant to Chapter 30A, of a final decision therein.

If an adjudicatory hearing is requested, the facility must continue to comply with all existing federal and state applicable requirements to which the facility is currently subject, until a final decision is issued in the case or the appeal is withdrawn. During this period, the application shield shall remain in effect, and the facility shall not be in violation of the Act for operating without a permit.

Under 310 CMR 1.01(6)(b), the request must state clearly and concisely the facts which are the grounds for the request, and the relief sought. Additionally, the request must state why the permit is not consistent with applicable laws and regulations.

The hearing request along with a valid check payable to The Commonwealth of Massachusetts in the amount of one hundred dollars (\$100.00) must be mailed to:

The Commonwealth of Massachusetts
Department of Environmental Protection
P.O. Box 4062
Boston, MA 02211

The request will be dismissed if the filing fee is not paid unless the appellant is exempt or granted a waiver as described below.

The filing fee is not required if the appellant is a city or town (or municipal agency) county, or district of the Commonwealth of Massachusetts, or a municipal housing authority.

The Department may waive the adjudicatory hearing filing fee for a person who shows that paying the fee will create an undue financial hardship. A person seeking a waiver must file, together with the hearing request as provided above, an affidavit setting forth the facts believed to support the claim of undue financial hardship.

CommonWealth

Resource Management Corporation

September 22, 2006

John K. Winkler
Chief Permit Section
Bureau of Waste Prevention
MDEP - S/E Region
20 Riverside Drive
Lakeville, MA 02347

Re: Plan Approval for Application Number 4I98059 at
Crapo Hill Landfill, Dartmouth, Massachusetts

Dear Mr. Winkler,

On behalf of the Greater New Bedford Regional Refuse Management District (District), Commonwealth Resource Management Corporation (CRMC) requests that the Massachusetts Department of Environmental Protection (MDEP) issue a Final Approval for the Flare at the Crapo Hill Landfill. The District owns and operates the Flare in accordance with the Conditional Approval (see attached) issued by MDEP on March 23, 1999.

As a condition of the Final Approval for the Flare, the District volunteers in good faith to commit to its continued early installation and operation of a landfill gas collection system in accordance with engineering design plans prepared by Brown and Caldwell. Although this installation and operation is not yet required by any State or federal regulation at the Crapo Hill Landfill, the District is willing to voluntarily accept such condition in the Final Approval of the Flare to affirm its commitment to its continued practice. The landfill gas collection system is designed, installed, and operated in accordance with the Solid Waste Facility Regulations at 310 CMR 19. The design will continue to be approved by MDEP under the Solid Waste Facility Regulations at 310 CMR 19. The plans prepared by the District's engineer, Brown and Caldwell, are attached and include the following key features that the District is committed to implement:

1. A network of interconnected horizontal collectors at intermediate waste fill depths will be installed in all current active and future Cells and Phases of the landfill and connected to the active gas collection system. These horizontal collector systems will be installed by the landfill operator as part of and concurrent with

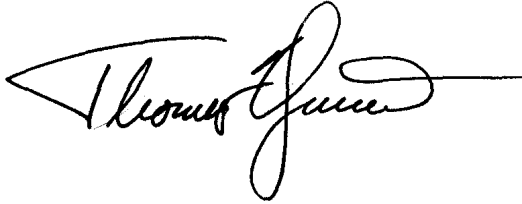
- regular landfill operations. The horizontal collectors will be located throughout the landfill at waste thickness intervals of between twenty and forty vertical feet (averaging thirty vertical feet). The distance between collector pipes will average 100 feet, with longitudinal collector pipes connected via laterals spaced an average of 200 feet apart. This will provide effective gas extraction and collection in the waste mass throughout the active life of the landfill.
2. A series of vertical gas extraction wells will continue to be installed as areas of the landfill approach final grades. Vertical wells may be installed prior to reaching final grades if, in the judgment of the operator, they will provide effective gas collection capability. The vertical wells will be spaced between 100 and 200 feet apart and will be connected to the active gas collection system.
 3. The leachate collection system, consisting of perforated collection pipes on the base liner of the landfill, will continue to be connected to the active gas collection system through cleanout riser pipes.
 4. Passive solar-powered self-igniting vent flares will continue to be installed where necessary to provide quick response and short-term relief from “hot-spots” that may develop anywhere in the landfill.
 5. Final cover will continue to be provided with a “gas venting” layer of pervious granular material, connected to observation ports that may be used to provide connection to the active gas extraction system, if necessary.

Selected engineering design drawings depicting the gas management features from the Application for Authorization To Construct Phase 2, Cells 3 and 4 are attached. These include existing gas management features (Existing Gas Management Plan, Sheet 4 of 20); the horizontal collectors to be installed during waste filling after construction of Cells 3 and 4, (Gas Management Plans at 30' Fill, 60' Fill, and 90' Fill, Sheets 9 through 11 of 20); and final vertical well layout (Phase 2 Conceptual Build-Out Elevations and Gas Extraction System, Sheet 16 of 20).

The operation of the LFG collection system will be performed in accordance with standard industry practice as presented in the Landfill Gas Operations and Maintenance – Manual of Practice by the Solid Waste Association of North America, and the site-specific Operations And Maintenance Plan, Gas Extraction And Control System, Crapo Hill Landfill, Dartmouth, Massachusetts, December 1998, as amended from time to time.

Please call me with any questions. Thank you.

Sincerely,

A handwritten signature in black ink, appearing to read "Thomas Yeransian", with a long horizontal flourish extending to the right.

Thomas Yeransian
Principal

Enclosures:

Engineering Design Drawings
Conditional Approval of Flare

Copy: Virginia Valiela
Hank Vanlaarhoven
Sam Chapin



COMMONWEALTH OF MASSACHUSETTS
EXECUTIVE OFFICE OF ENVIRONMENTAL AFFAIRS
DEPARTMENT OF ENVIRONMENTAL PROTECTION
SOUTHEAST REGIONAL OFFICE
20 RIVERSIDE DRIVE, LAKEVILLE, MA 02347 508-946-2700

DEVAL L. PATRICK
Governor

TIMOTHY P. MURRAY
Lieutenant Governor

IAN A. BOWLES
Secretary

ARLEEN O'DONNELL
Commissioner

March 19, 2007

Ms. Virginia Valiela, Executive Director and
Mr. Hank Vanlaarhoven
Great New Bedford Regional
Refuse Management District
300 Samuel Barnet Boulevard
New Bedford, Massachusetts 02745

RE: **FINAL APPROVAL**
Application for: BWP AQ 02
Non-Major Comprehensive Plan Application
Transmittal Number: W003199
Application Number: 4I98059
Source Number: 0498

AT: Crapo Hill Landfill
300 Samuel Barnet Boulevard
Dartmouth, Massachusetts

Dear Ms. Valiela and Mr. Vanlaarhoven:

The Department of Environmental Protection, Bureau of Waste Prevention, has completed its review of Commonwealth Resource Management Corporation's (CRMC) proposal that defines measures to collect and control landfill gas (LFG) from the Greater New Bedford Regional Refuse Management District (GNBRRMD), Crapo Hill Landfill, 300 Samuel Barnet Boulevard, Dartmouth, Massachusetts. The proposal was submitted in two letters dated September 22, 2006 and December 6, 2006 and included design five drawings.

Design drawings are titled as follows:

- Drawing No. 4 Existing Gas Management Plan August 2006
- Drawing No. 9 Gas Management Plan – 30' Fill
- Drawing No. 10 Gas Management Plan – 60' Fill
- Drawing No. 11 Gas Management Plan – 90' Fill
- Drawing No. 16 Phase 2 Conceptual Build-Out Elevations and Gas Extraction System

This information is available in alternate format. Call Donald M. Gomes, ADA Coordinator at 617-556-1057. TDD Service - 1-800-298-2207.

DEP on the World Wide Web: <http://www.mass.gov/dep>

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On behalf of GNBRRMD, CRMC has requested that the Department approve the plan to install and operate a landfill gas collection system consisting of horizontal and vertical gas extraction wells. The GNBRRMD requested approval to finalize the conditional approval on the LFG control device and to affirm its commitment to accept permit conditions on the plans to install and operate the landfill gas collection system. In addition to the conditions herein, the landfill gas collection system will continue to be designed, installed and operated in accordance with the Solid Waste Facility Regulations at 310 CMR 19.000.

The existing open flare will burn landfill gas (LFG) collected from horizontal collectors and vertical wells. The flare was constructed pursuant to 310 CMR 7.00 and the Conditional Approval dated March 23, 1999 that was issued by the Department.

The open flare application and the proposed landfill gas collection system were submitted in accordance with 310 CMR 7.00 Air Pollution Control Regulations adopted by the Department pursuant to the authority granted by Massachusetts General Laws, Chapter 111, Section 142A-E and Chapter 21C, Sections 4 and 6.

The Department's review has been limited to air pollution regulation compliance and does not relieve you of the obligation to comply with all other permitting requirements.

The flare application was prepared and submitted by Commonwealth Resource Management Corporation over the seal and signature of Manuel T. Rei, P.E. No. 33732.

The Department is of the opinion that the application as submitted and the proposed LFG collection system is in conformance with current air pollution control engineering practices and represents Best Available Control Technology for the use approved herein. The Department hereby grants Final Approval for the application subject to the following provisos:

A. EQUIPMENT DESCRIPTION:

1. The open flare design and construction shall be as follows:

Manufacturer	Organics, or equivalent
Model No.	2000 SCFM
Max. Heat Input (MMBtu/hr)	60
Primary Fuel	LFG
Stack Material	Carbon and Stainless Steel
Stack Height (ft) above ground	31
2. The open flare design shall comply with the requirements of 40 CFR 60.18.
3. Horizontal collectors will be installed at waste thickness intervals of 25 to 40 vertical feet. The distance between horizontal collectors will average 100 feet, with longitudinal collector pipes connected via laterals spaced an average of 200 feet apart.
4. Vertical gas extraction wells will be installed as areas of the landfill approach final grades based on the operator's judgment of need and vertical wells will be installed at final grades. The vertical wells will be spaced between 100 and 200 feet apart and will be connected to the active gas collection system. Vertical wells will be installed and connected to the LFG collection system within 60 days after final grades of the landfill have been reached.
5. The leachate collection system, consisting of perforated collection pipes on the base liner of the landfill, will be connected to the active gas collection system through cleanout riser pipes.
6. Passive solar-powered self-igniting vent flares will be installed where necessary to provide landfill gas (LFG) emission control for quick response from LFG hot spots that may develop in

the landfill.

7. The final cover will include a gas venting layer of pervious granular material, connected to observation ports that will be connected to the active gas extraction system, if necessary based on the operator's judgment.

B. PRODUCTION LIMITS:

1. None

C. OPERATIONAL LIMITS:

1. The flare shall be operated at all times when the collected LFG is routed to the flare.
2. The flare heat input of LFG shall not exceed 44,640 MMBtu per month.
3. The flare heat input of LFG shall not exceed 525,600 MMBtu in any consecutive twelve-month period.
4. Vacuum shall be applied to the leachate collector, once a minimum of 10 feet of waste has been placed over the entire collector. Vacuum shall be increased and limited to assure that methane content is greater than 45%, oxygen content is less than 3%, and balance gas (N₂, and trace quantities of other gases including H₂O, H₂S and Cl₂) is less than 15%.
5. Vacuum shall be applied to the horizontal collector, once a minimum of 10 feet of waste has been placed over the entire collector. Vacuum shall be increased and limited to assure that methane content is greater than 45%, oxygen content is less than 3%, and balance gas is less than 15%.
6. Vertical wells shall be operated immediately after installation and connection to the LFG collection system. Vacuum shall be increased and limited to assure that methane content is greater than 45%, oxygen content is less than 3%, and balance gas is less than 15%.

D. EMISSION LIMITS:

1. Sound impacts shall not exceed 10 dB(A) above background and shall not cause a puretone condition as defined in the Division of Air Quality Control Noise Policy No. 90-001.
2. The flare shall reduce NMOC emissions by 98 percent by weight.
3. H₂S level of LFG burned in the flare shall not exceed 200 ppm_v.
4. The flare shall be operated with no visible emissions exception for periods not to exceed a total of five (5) minutes during any two (2) consecutive hours. 40 CFR 60 Appendix A Method 22 shall be used to determine compliance with the visible emission limit.
5. The flare shall not exceed the following emission limits:

AIR CONTAMINANT	(lb/MMBtu)
Nitrogen oxides (NO _x)	0.055
Carbon monoxide (CO)	0.273
Non-methane organic compounds (NMOC)	0.040
Volatile organic compounds (VOC)	0.032
Particulate (PM)	0.046
Sulfur dioxide (SO ₂)	0.064

6. The flare shall not exceed the following emission rates:

AIR CONTAMINANT	tons per month	tons/year
Nitrogen oxides (NO _x)	1.2	14.3
Carbon monoxides (CO)	6.1	71.7
Non-methane organic compounds (NMOC)	0.9	10.5
Volatile organic compounds (VOC)	0.7	8.4
Particulate (PM)	1.0	12.0
Sulfur dioxide (SO ₂)	1.4	16.8

Note: tons/year means tons per consecutive twelve-month period

E. MONITORING AND RECORD KEEPING:

- The facility emission rates for hazardous air pollutants (HAPs) shall be documented to be less than 10 tons per consecutive twelve month period of any single HAP, and less than 25 tons per consecutive twelve month period in the aggregate for all HAPs. Otherwise, the facility will be subject to 310 CMR 7.00 Appendix C: Operating Permit Program.
- A LFG flow recorder shall be maintained to provide a record on-site of the volume of LFG burned in the flare by date and time period.
- Records shall be maintained on-site of the volume of LFG (scf) burned in the flare, for each month and for each consecutive twelve-month period.
- A sample of LFG as burned in the flare shall be analyzed to define H₂S concentration (ppm) and Btu/scf at least once per month. Records of this information shall be maintained on-site.
- NO_x, CO, NMOC, VOC, PM, and SO₂ monthly and consecutive twelve month period emission rate records for the flare shall be maintained on-site.
- A copy of the Standard Operating and Maintenance Procedures shall be maintained for all subject equipment on-site.
- An operating log shall be maintained on-site at a level of detail sufficient to document that Section C - Operational Limits and Section D - Emission Limits contained herein are not exceeded.
- A pilot flame thermocouple and recorder shall be installed to provide a record on-site that documents the presence of a flame, and must provide detail sufficient to document date and clock time.
- All emission, operating and monitoring records shall be maintained for the life of the facility; the five most recent years of data/records shall be maintained on-site.

F. TESTING:

- The Department reserves the right to require testing in the future to determine compliance with this Final Approval.

G. NOTIFICATIONS AND REPORTING:

- All notifications and reporting required by this Final Approval shall be made to the attention of:
Department of Environmental Protection
Bureau of Waste Prevention
20 Riverside Drive
Lakeville, Massachusetts 02347
ATTN: Compliance and Enforcement Section
Telephone: (508) 946-2817

Fax: (508) 947-6557
(508) 946-2835

2. The Department shall be notified by telephone or fax within 24-hours, and written notification within 10-days, after the occurrence of any exceedance of an emission limitation contained herein.

H. SPECIAL CONDITIONS:

1. This Final Approval (4I98059) supersedes the Conditional Approval (4I98059) dated March 23, 1999.

I. GENERAL CONDITIONS:

1. If any nuisance condition(s) should be generated by the operation of this facility, immediate appropriate steps shall be taken to abate the nuisance condition(s).
2. If asbestos remediation/removal should be required as a result of the approved construction, reconstruction, or alteration of this facility, removal/remediation of asbestos shall be done in accordance with Regulation 310 CMR 7.15 in its entirety and 310 CMR 4.00.
3. Department personnel shall be provided immediate access to the plant site, buildings, and all pertinent records for the purpose of making inspections and surveys, collecting samples, obtaining data, and reviewing records.
4. This Final Approval does not negate the responsibility to comply with other applicable Federal, State, or local regulations now or in the future.
5. This approval may be suspended, modified, or revoked by the Department if, at any time, the Department determines that any condition or part of this Approval is being violated.
6. The Department's Compliance/Enforcement Chief for the Bureau of Waste Prevention at this office must be notified by telephone, or fax within 24 hours, and with written notification within 10 days, after the occurrence of any upsets or malfunctions to the facility equipment, air pollution control equipment, or monitoring equipment which result in an excess emission to the air and/or a condition of air pollution.
7. A record keeping system shall be established and maintained on-site. All records shall be maintained up-to-date such that the year-to-date information is readily available for Department examination. Record keeping shall, as a minimum, include:
 - a record of routine maintenance activities performed on emission unit control and monitoring equipment including, at a minimum, the type or a description of the maintenance performed and the date and time the work was completed; and
 - a record of all malfunctions on emissions unit control and monitoring equipment shall include, at a minimum: the date and time the malfunctions occurred; a description of the malfunctions and the corrective actions taken; the date and time corrective actions were initiated; and the date and time corrective actions were completed and the emission unit returned to compliance; and
 - all records shall be kept on-site for five (5) years and shall be made available to Department personnel upon request.
8. Any proposed increase in emissions above the limits contained in this Final Approval must first be approved in writing by the Department pursuant to the Department's Air Pollution Control Regulations. In addition, any increase may subject the facility to additional regulatory requirements.
9. The facility shall be constructed and operated in strict accordance with the application approved herein. Should there be any differences between the General Conditions or the aforementioned application, and this approval letter, this approval letter shall govern.
10. The emissions from the facility approved herein shall be reported on subsequent source

- registrations as required by 310 CMR 7.12.
11. The ability of the facility to maintain emission rates at or below the levels stated in this approval letter shall be demonstrated to the Department in the future if deemed necessary.

The flare may be subject to 40 CFR Part 60, Subpart WWW - Standards of Performance for Municipal Solid Waste Landfills and/or Subpart Cc - Emission Guidelines and Compliance Times for Municipal Solid Waste Landfills, for which the Department has not accepted delegation of authority. Your attention is directed to 40 CFR 60 notification, record keeping and reporting, monitoring and testing requirements you may be subject to. Questions concerning this matter should be directed to the U.S. EPA. The address is U.S. EPA - New England, JFK Building, Air, Pesticides and Toxics Division, Boston, MA 02203-2211, ATTN: Robert O'Meara.

The Department has determined that the filing of an Environmental Notification Form (ENF) with the Secretary of Environmental Affairs, for air quality control purposes, was not required prior to this action by the Department. Notwithstanding this determination, the Massachusetts Environmental Policy Act (MEPA) and Regulation 301 CMR 11.00, Section 11.04, provide certain "Fail-Safe Provisions" which allow the Secretary to require the filing of an ENF and/or an Environmental Impact Report at a later time.

This Approval is an action of the Department, you have a limited right to appeal. Please refer to Attachment No. 1, Appeal of Approval.

Should you have any questions regarding this Final Approval, please contact the undersigned at (508) 946-2779.

Very truly yours,

*This final document copy is being provided to you electronically by the
Department of Environmental Protection. A signed copy of this document
is on file at the DEP office listed on the letterhead.*

John K. Winkler, Chief
Permit Section
Bureau of Waste Prevention

ecc: Board of Health, Dartmouth, MA
Thomas Yeransian, Commonwealth Resource Management Corporation, Boston, MA
Sam Chapin, Brown and Caldwell, Middleborough, MA
David Johnston, DEP/BWP - SERO
David Ellis, DEP/BWP - SERO
Laura Patriarca, DEP/BWP - SERO
Yi. Tian, DEP/BWP - Boston

Attachment No. 1

APPEAL OF APPROVAL

This Approval is an action of the Department. If you are aggrieved by this action, you may request an adjudicatory hearing. A request for a hearing must be made in writing and postmarked within twenty-one (21) days of the date you received this plan approval.

Under 310 CMR 1.01(6)(b), the request must state clearly and concisely the facts which are the grounds for the request, and the relief sought. Additionally, the request must state why the plan approval is not consistent with applicable laws and regulations.

The hearing request along with a valid check payable to the Commonwealth of Massachusetts in the amount of one hundred dollars (\$100.00) must be mailed to:

Commonwealth of Massachusetts
Department of Environmental Protection
P.O. Box 4062
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Attestation Statement

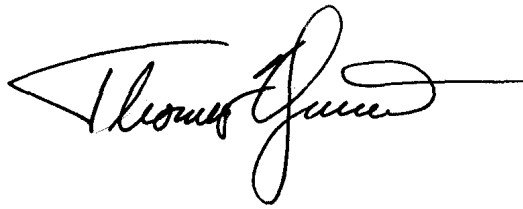
As an officer of Commonwealth New Bedford Energy LLC (CNBE) I hereby certify that the voluntary carbon units (VCUs) verified under the voluntary carbon standard (VCS) for the second half of 2010 from the Project Activity will be registered on the Markit Environmental Registry (formerly TZ1) only, which is an accredited VCS register.

Thomas Yeransian

Name

Principal of Commonwealth Resource Management Corporation,
Member of Commonwealth New Bedford Energy LLC

Title

A handwritten signature in black ink, appearing to read "Thomas Yeransian", with a long horizontal flourish extending to the right.

Signature

January 28, 2011

Date