

Verification Report for the North Country Landfill Gas Utilization Project Bethlehem, New Hampshire

**Verification Process: Chicago Climate Exchange
and American Carbon Registry
(formerly Environmental Resources
Trust)**

For the Period: July 1, 2008-December 31, 2008

Prepared by: First Environment, Inc.
91 Fulton Street
Boonton, New Jersey 07005



1. Introduction

This report is provided to Commonwealth Bethlehem Energy LLC (CBE), a wholly owned subsidiary of Commonwealth Resource Management Corporation (CRMC), as a deliverable of the Chicago Climate Exchange's (CCX) and American Carbon Registry's (ACR) project verification processes. This report covers the verification of landfill gas (LFG) destruction emissions reduction estimates for the period from July 1, 2008 through December 31, 2008 for the North Country LFG Utilization Project (the Project). First Environment, Inc. (First Environment) completed the verification in February of 2009.

2. Objectives

The purpose of this verification was, through review of appropriate evidence, to establish that:

- the project conforms to the requirements of the verification criteria discussed in Section 6; and
- the data reported are accurate, complete, consistent, transparent and free of material error or omission.

3. Verification Scope

The scope of the verification is outlined in the table below:

Geographic Boundaries	North Country Environmental Systems Landfill, Bethlehem, NH
Greenhouse Gases Verified	Emissions Offsets (expressed in units of Carbon Dioxide equivalents (CO ₂ -e)) resulting from the capture and destruction of methane
Reporting Years	July 1, 2008 through December 31, 2008
Data Sources	Metered Data and Emissions Offset Estimates

4. Standards Used to Certify Emissions

The following table outlines the guidance and protocols used to conduct this verification:

Verification Process	CCX® Rulebook: Environmental Audits and Offset Project Verification, 2004 ISO 14064-Part 3
Standard of Verification	CCX® Project Guidelines: Landfill Gas Version 1, February 2, 2004 (as amended per email from CCX on 7/18/2008 – see Attachment A) ACR Monitoring, Reporting and Verification Protocol, MRV CBE 2005 14, December 2005
Level of Assurance	Reasonable assurance
Materiality	Misstatements greater than 5% of the GHG assertion are considered material

5. Overview of the Verification Process

The verification process for the Project was as follows:

- conflict of interest review,
- selection of audit team,
- kickoff conference call with the CBE/CRMC contact,
- development of the verification plan,
- review of the data collection process,
- review of the raw data and calculations for the data period under review,
- follow-up interaction with the CBE/CRMC contact for corrective action or supplemental data as needed, and
- final statement and report development.

The verification process was utilized to gain an understanding of the project's emission sources and reductions (including the risk for leakage), to evaluate and verify the collection and handling of data, the calculations that lead to the results, and the means for reporting the associated data and results.

Conflict of Interest Review

Prior to beginning any verification project, First Environment conducts an evaluation to identify any potential conflicts of interest associated with the project. No potential conflicts were found for this Project.

Audit Team

First Environment's audit team consisted of the following individuals who were selected based on their verification experience as well as familiarity with landfill operations. In addition, members of the audit team had specific experience verifying GHG reductions from the Project on prior occasions.

B. Tod Delaney, Ph.D., P.E., BCEE – Senior Management Oversight
Jay Wintergreen - Independent Internal Reviewer
Eric Ripley – Lead Auditor
Chad Lipton – Auditor

Audit Kick-off

The verification audit was initiated with an exchange of emails between First Environment and the primary CBE/CRMC contact, Thomas Yeransian on January 21, 2009. The communication focused on confirming the verification scope and schedule, confirming that no changes have occurred in operations at the Site since First Environment's initial site visit in 2006, and highlighting the data required for the verification.

First Environment has previously verified emissions reduction credits from this Site on several past occasions. Since the site confirmed that no changes in operation and no changes to the

process or equipment had occurred since the first site visit, an additional site visit was not conducted.

Development of the Verification Plan

Based on the information provided in the ACR Monitoring, Reporting, and Verification Protocol for the North Country LFG Utilization Project (Project Protocol), the team formally documented its verification plan and determined the data-sampling plan. The plans were provided to CBE on January 23, 2009.

Emissions Reduction Data and Calculation Assessment

This assessment used information and insights gained during the previous steps to evaluate the collected data, the reported emissions reduction quantities, and to identify if either contained material or immaterial misstatements.

Corrective Actions and Supplemental Information

The team was prepared to request corrective actions and supplemental information as needed. No corrective actions were requested for the period under review.

Verification Reporting

Verification reporting, represented by this report and additional audit statements, documents the verification process and identifies its finding and results. Verification reporting consists of this report and a project attestation for the American Carbon Registry, as well as this report and a verification statement and attestation to be submitted to the Chicago Climate Exchange.

6. Site's Conformance with Verification Protocols

Site Overview

As outlined in previous reports, the North Country project collects landfill gas that is used to produce heat energy for a leachate and condensate evaporation facility at the Site. The site audit focused on two elements of the landfill gas to energy calculation: landfill gas flow rate and methane gas concentration. The completion of construction and commencement of operation of the leachate evaporation project occurred in 2001 and included an expansion of the original landfill gas collection system installed in 1998. The portion of the project that completed construction in 2001, and expansions thereafter, corresponds to the portion of the landfill gas that will be verified for emissions reduction credits in accordance with the CCX approved methodology discussed below.

There are two flares located at the Site. One is an enclosed flare used to generate the heat energy for the leachate and condensate evaporation system. The second is not enclosed and is used as a backup to the enclosed flare. The landfill gas passes through a knock-out tank to remove the condensate, passes through a blower, and moves to the flares. An Allen Bradley Programmable Logic Controller continuously monitors operations in the flare. A primary flow meter records the landfill gas flow continuously on circle charts that are changed weekly and stored on the Site. A totalizer is also present and is used to calculate flow quantities on a weekly basis as well. A second back-up flow meter is present at the Site as well. Methane readings are obtained from a sample port near the flow meter and are taken approximately weekly using a Landtec GEM-2000/500 portable meter. The totalizer readings and methane

content measurements are recorded and sent to CBE in a monitoring report. This data is then transferred to the final spreadsheet for calculations.

In September 2000, CBE contracted to purchase and take ownership of the landfill gas and associated environmental attributes. Evidence of ownership is included in Attachment B.

Data Collection and Monitoring Processes

The audit team discussed the following topics with site staff during the initial site visit and confirmed the information during this verification process:

- the data collection process to generate reports,
- internal documents and protocols that set guidelines for the data collection process.

The information gathered during these discussions was used to assess the project's GHG information system and its controls for sources of potential errors, omissions, and misrepresentations.

The data collection process has several checkpoints to ensure accuracy. Operators collect readings at least weekly and verify that readings appear to be normal. In addition, CBE personnel review monitoring reports prior to use in the calculations.

The Site has operational protocols that cover the management of the facility, data collection, and calibration. The flow meter was calibrated at the kick-off of the project in March 2001 and is field checked quarterly using a pitot tube. During the period covered by this report, the flow meter was field checked on July 1st, September 5th, November 11th and December 16th, 2008. The results showed the flow meter was always within five percent of the flow as indicated in the pitot tube test so only minor adjustments were made. The GEM-2000/500 is calibrated prior to each use. It is also sent to the manufacturer twice per year to obtain a factory calibration.

Emissions Reduction Calculation Assessment

As part of the emissions reduction calculation assessment, the Project's assumptions and calculations were reviewed. The additionality arguments presented in the ACR Project Protocol were reviewed and found to be valid based on the information and evidence provided by CBE. A formal federal, state, and local regulatory file review was not conducted as part of the verification process. The Project meets the eligibility dates set forth in the CCX guidelines. The Project used justifiable assumptions when defining the baseline scenario as the unmitigated release of methane from the landfill according to the Project Protocol and included the pre-2001 system for baseline calculation according to the CCX guidelines (1998 is the baseline year for purposes of the CCX calculations).

The calculations themselves, provided in Attachment C, were tested for accuracy. Copies of the raw data used in the calculations were provided by CBE and compared with the data used in the final calculations. Because of the short timeframe being verified, a sampling approach was not used. The calculations for the entire period were reviewed.

CCX® Project Standards

The Chicago Climate Exchange provides project guidance for landfill gas offset and early action credit projects. This guidance document, CCX® Project Guidelines: Landfill Gas Version 1, outlines specific requirements that acceptable projects must meet in order to qualify for credits.

The following table lists these specific requirements and identifies how this Site meets those requirements:

	Guideline Requirement	Site Compliance	Comments
<i>LFG Flow Rate</i>			
	Measurement at control device not individual wells	Yes	--
	Flow meter type and date of installation		The flow is measured using a Thermo Instruments 62-9 model flow meter.
	Flow meter upstream of control device and downstream of blower	Yes	Placement is sufficient to ensure laminar gas flow through the flow meter.
	Records on flow meter calibration	Yes	The first calibration of the flow meter occurred at Project startup and records are kept on and off-site. The flow meter was field checked using a pitot tube attached to a manometer that is inserted into the LFG flow near the flow meter. The flow meter was calibrated on July 1st, September 5th, November 11th and December 16th, 2008.
	Capable of recording flow every 15 min.	Yes	Flow data is monitored continuously and data is captured on circle charts and monitoring reports produced by the operators.
	Shutdown hours recorded and flow data adjusted	Yes	A log is kept to record shutdowns. The flow totalizer only captures actual flow.
	Monthly tabulations of daily LFG flow rate	Yes	Site equipment continuously records LFG flow, and a weekly report is produced that captures the LFG flow for the period.
<i>Methane Concentration</i>			
	LFG Concentration measured	Yes	The methane concentration is measured near the same point as LFG flow, using a GEM-2000/500 gas analyzer.
	Concentration measured on monthly basis	Yes	The LFG concentration of methane is measured approximately weekly.
	Measuring instrument calibrated	Yes	The GEM-2000/500 is calibrated prior to each use and is sent for factory calibration twice per year. No records are available showing

	Guideline Requirement	Site Compliance	Comments
			the calibrations performed in 1998. However, standard operating procedures as well as an attestation from the operations manager during that period indicate that the calibrations were performed.

ACR Protocol MRV CBE 2005 14

The MRV CBE 2005 14 document outlines specific requirements that the project must meet in order to be verified. The following table lists these requirements and identifies how this Site meets them:

Project Boundaries:	The project boundaries are consistent with those described in the ACR MRV protocol.
Additionality & Leakage:	First Environment verified that the project is not required by NSPS regulations. All other additionality assertions made by the project were verified by ACR and are outlined in the MRV. No leakage of emissions outside the project boundaries was identified.
Baseline:	The baseline is unmitigated release of all methane.
Monitoring, Data Collection, & Methodology:	In general, procedures were in keeping with the ACR MRV protocol. These procedures were discussed in greater detail in previous sections of this report.
Quality Control, Reporting, Documentation, & Uncertainties:	Quality control, reporting, and documentation procedures followed were in keeping with the ACR MRV protocol.

7. Audit Results

CBE provided good documentation for its emissions estimates as well as its programs around the data collection process. Sufficient evidence of project additionality was provided by CBE.

The calculations on the spreadsheet were consistent with the CCX[®] and MRV CBE 2005 14 protocols. In addition, the methodology used to allocate pre-1999 system emissions and post-1999 system emissions was consistent with the approved CCX allocation methodology. The 1998 landfill gas flow was used as a baseline and subtracted from all future years to determine the additional landfill gas flows attributable to the system expansion.

Verified results show 61,202 mT of CO₂e eligible for registration with the American Carbon Registry and 37,753 mT of CO₂e eligible for registration with the CCX[®].

8. General Conclusion

Based on the assessment performed and the evidence collected, First Environment concludes that the Project GHG emissions reductions due to the flaring of landfill gas for the period of July 1, 2008 through December 31, 2008, can be considered:

- consistent with the CCX[®] Project Guidelines for Landfill Gas projects and American Carbon Registry Monitoring, Reporting and Verification Protocol, MRV CBE 2005 14;
- without material discrepancy; and
- meeting the minimum level of accuracy of at least 95 percent.

First Environment provides reasonable assurance as to the accuracy of the emission reduction estimates for this period.

CCX[®] Methane Project Reporting Form

CCX Project Owner: CommonWealth Bethlehem Energy LLC

Reporting Period: July 1, 2008 through December 31, 2008			
Location	Confirmation	Column 1	Column 2
CCX [®] Registered Methane Project Site Name and Address	Site Meets CCX [®] Project Eligibility Rules	Total Metric Tonnes of Methane Combusted During Period	CCX Early Action Credit Issuance
North Country Environmental Systems Landfill, Bethlehem, NH	Yes	1,798 Metric Tonnes CH₄	378 Hundred Metric Tonnes CO₂

CCX[®] Approved Verifier Name: First Environment, Inc.

Signature of Verified Representative: 

Name and Contact Number: B. Tod Delaney, 973-334-0003

Methane Project Attestation by CCX® Project Owner

Reporting period: July 1, 2008 through December 31, 2008

Reporting facility: North Country Environmental Services Landfill, Bethlehem, NH

I hereby warrant:

that the methane collection and combustion facilities identified in this filing caused the collection and combustion of methane in the quantities reported by First Environment, Inc. (verifier);

that the methane collection and combustion facilities identified in this filing meet CCX eligibility rules for such Projects – e.g., the facility was exempt from NSPS requirements during the reporting period;

that CommonWealth Bethlehem Energy LLC (Project Owner) continues to hold full legal title to the Greenhouse Gas mitigation rights associated with the capture and combustion of methane at the facility noted above - i.e., they have not gone into contracts with any other firm for their sale.

Signed and attested by a duly authorized representative of:

Project Owner: CommonWealth Bethlehem Energy LLC

Signature: 

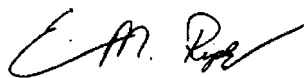
Print Name: Thomas Yeransian

Title: Principal, CommonWealth Resource Management Corporation
Sole Member, CommonWealth Bethlehem Energy LLC

Date: February 26, 2009

Verified by First Environment, Inc.

Name: Eric Ripley



American Carbon Registry Attestation Statement

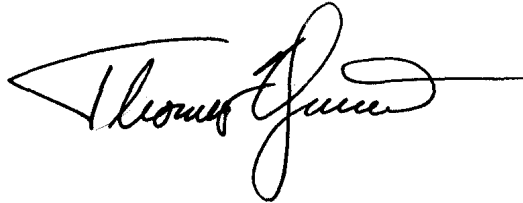
As an officer of CommonWealth Bethlehem Energy LLC (CBE), I hereby certify that the emissions reductions reported in connection with methane capture and combustion have been calculated according to the methods and procedures as outlined and described in the MRV Protocol and are a true representation of the emission performance of the Project.

Thomas Yeransian

Name

Principal of CRMC, the sole member of CBE

Title

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

February 26, 2009

Signature

Date

ATTACHMENT A

Eric M. Ripley

From: Stephen McComb [smccomb@chicagoclimateexchange.com]

Sent: Friday, July 18, 2008 3:15 PM

To: Christina Magerkurth; Eric M. Ripley

Subject: Biogenic Methane Project Accounting

Dear Christy and Eric:

Just so that it does not hold you up with any of the verification work you are doing, please begin using a net crediting rate of 21 for methane destruction projects where the co2 source is biogenic (e.g. landfills and agricultural digesters).

More official communication will come from CCX in due course.

Best.

Stephen McComb

Economist
Chicago Climate Exchange, Inc.

190 S LaSalle St. Suite 1100

Chicago, IL 60603
312 229 5134, direct
312 554 3373, fax

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7/21/2008

ATTACHMENT B

LANDFILL GAS SALE AND PURCHASE AGREEMENT

THIS LANDFILL GAS SALE AND PURCHASE AGREEMENT, dated as of September 8, 2000 ("Agreement"), is by and between CRMC Bethlehem LLC, a Delaware limited liability company ("Seller"), and Commonwealth Bethlehem Energy LLC, a Delaware limited liability company ("Buyer").

BACKGROUND

A. Seller owns and operates a landfill gas collection and production system at the Landfill (as defined herein) from which Seller collects, compresses, filters, measures and produces landfill gas available for sale.

B. Buyer desires to purchase landfill gas produced by Seller from the Landfill for the purpose of securing a long-term supply of fuel for production facilities of Buyer to be constructed by Buyer.

C. Seller desires to sell and the Buyer desires to buy landfill gas in the quantities and upon the terms and conditions set forth herein.

NOW, THEREFORE, for and in consideration of the premises and the mutual covenants herein, the parties hereto agree as follows:

ARTICLE I. DEFINITIONS

The capitalized terms used in this Agreement shall have the meanings specified in Annex A hereto.

ARTICLE II. COLLECTION SYSTEM; BUYER'S FACILITY

2.1 Seller's Facilities. Seller has certain contractual responsibilities with respect to the collection and disposition of Landfill Gas at the Landfill. Each obligation of Seller hereunder is conditioned on the consistency of such obligation with Seller's obligations with respect to the collection of Landfill Gas at the Landfill. Subject to the terms hereof, Seller shall in its sole discretion exercise, manage, preserve and amend Seller's interest and rights in and to Seller's Facilities and its Landfill Gas extraction rights, and all related rights, titles and interests of Seller.

2.2 Authorized Sales. Buyer and Seller shall make all necessary filings and diligently seek to obtain all Governmental Authorizations necessary to provide for and continue the sale and delivery of Landfill Gas to the Delivery Point. The parties shall cooperate with each other in connection with such filings and shall keep each other advised regarding their progress toward obtaining the necessary authorizations.

12.13 Currency and Payments. All payments under this Agreement shall be made in immediately available funds and in U.S. currency by wire transfer to the bank account specified by the payee in writing to the payor.

12.14 Specific Performance. If a party to this Agreement breaches or threatens to breach any provision of this Agreement, the non-breaching party shall have the right to have such provision specifically enforced by any court having equity jurisdiction, it being acknowledged and agreed that any such breach or threatened breach shall cause irreparable injury to the non-breaching party and that money damages will not provide adequate remedy, which right shall be in addition to, and not in lieu of, any other rights and remedies available to a non-breaching party under this Agreement, at law or in equity, all of which shall be independent of the other and severally enforceable.

12.15 Time is of the Essence. Time is of the essence with respect to all dates and time periods set forth in this Agreement.

12.16 Emissions Credits. For the term of this Agreement, Buyer and its affiliates, successors and assigns shall be entitled, *vis-a-vis* Seller and its affiliates, successors and assigns to claim the value of any emissions credits or values (including but not limited to environmental credits, "green tags" or similar credits; but excluding Section 29 Credits) which arise or are allocable to the generation, collection, production, sale, destruction or use in any process, by any Person, of Landfill Gas from the Landfill.

12.17 Lenders' Rights. Annex C is made a part hereof as if the provisions thereof were set forth in this Agreement.

[SIGNATURE PAGE FOLLOWS]

IN WITNESS WHEREOF, the parties hereto have caused this Agreement to be executed by their duly authorized undersigned officers as of the date first set forth above.

CRMC BETHLEHEM, LLC

By: Montauk Energy Capital, Inc., its sole member

By: John L. Smith
Title: VP - Finance

COMMONWEALTH BETHLEHEM
ENERGY LLC

By: _____
Title: _____

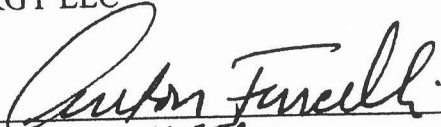
IN WITNESS WHEREOF, the parties hereto have caused this Agreement to be executed by their duly authorized undersigned officers as of the date first set forth above.

CRMC BETHLEHEM, LLC

By: Montauk Energy Capital, Inc., its sole member

By: _____
Title: _____

COMMONWEALTH BETHLEHEM
ENERGY LLC

By: 
Title: MANAGER

ATTACHMENT C

EXHIBIT 1				
CommonWealth Bethlehem Energy LLC				
North Country LFG Utilization Project				
Bethlehem, New Hampshire				
Calculation of Verified Emission Reduction Credits in CO2 equivalent tons				
Key parameters used in calculations				
Parameter		ERT assumptions		CCX assumptions
Methane oxidation efficiency electricity generation		99.9%		100.0%
Methane oxidation efficiency LFG flaring		98.0%		100.0%
Molare weight methane		16		16
Pounds per metric ton		2,205		2,205
Gas constant		385		385
Global Warming Potential (GWP) methane		21		21
Summary results				
	Unit	Value with ERT Formula		Value with CCX Formula
Flaring				
Start date		1-Jul-08		1-Jul-08
End date		1-Jan-09		1-Jan-09
Methane delivered	scf	157,921,594		157,921,594
Emission Reductions	metric tons CO2e	61,254		62,665
Baseline	metric tons CO2e	62,505		
Emissions	metric tons CO2e	1,250		

EXHIBIT 2																EXHIBIT 3															
Commonwealth Bethlehem Energy LLC																Calculation of Verified Emission Reduction Credits in CO2 equivalent tons per the ERT Protocol, 2005															
Print date 2/24/2009																Calculation of Verified Emission Reduction Credits in CO2 equivalent tons per the CCX Formula															
Begin period - date	End period - date	Totalizer reading end period	Totalizer reading start period	Methane content end period	Methane content start period	Methane delivered to flare	Methane delivered cumulative	Flare efficiency	Molar weight methane	Pounds to metric tons conversion	Gas constant	Mass methane destroyed in the period	Mass methane destroyed cumulative	Global warming potential methane	Emission reduction	Emission reduction cumulative	Baseline cumulative	Emissions cumulative	Begin period - date	End period - date	Molecular weight of Methane	Conversion to tons	Gas Constant	Conversion Factor	Methane Destroyed in Flare	Global warming potential methane	CO2 equivalent	CO2 equivalent cumulative			
mm/dd/yy	mm/dd/yy	scf	scf	%	%	scf	scf	%	Pounds per mole	Pounds per ton	scf per pound mole	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	mm/dd/yy	mm/dd/yy	gm/mole	MT/g	mole/L	L/t	Metric Tons	tons CO2 equivalent per ton methane (as allowed by CCX)	Metric tons	Metric tons			
1-Jul-08	1-Jul-08	47,613,400	46,970,285	41.0%	41.0%	263,677	263,677	98%	16	2,205	385	5	5	21	102	102	104	2	1-Jul-08	1-Jul-08	16.04	1,000,000	0.04159734	28.32	4.98	21	105	105			
1-Jul-08	1-Jul-08	80,220,250	47,613,400	42.7%	41.0%	13,645,967	13,909,644	98%	16	2,205	385	252	257	21	5,293	5,395	5,505	110	1-Jul-08	1-Jul-08	16.04	1,000,000	0.04159734	28.32	257.85	21	5,415	5,519			
1-Jul-08	18-Jul-08	93,259,000	80,220,250	46.7%	42.7%	5,828,321	19,737,965	98%	16	2,205	385	108	365	21	2,261	7,656	7,812	156	1-Jul-08	18-Jul-08	16.04	1,000,000	0.04159734	28.32	110.13	21	2,313	7,832			
18-Jul-08	25-Jul-08	104,891,700	93,259,000	45.2%	46.7%	5,345,226	25,083,191	98%	16	2,205	385	99	463	21	2,073	9,729	9,928	199	18-Jul-08	25-Jul-08	16.04	1,000,000	0.04159734	28.32	101.00	21	2,121	9,953			
25-Jul-08	31-Jul-08	111,777,960	104,891,700	46.1%	45.2%	3,143,578	28,226,768	98%	16	2,205	385	58	521	21	1,219	10,949	11,172	223	25-Jul-08	31-Jul-08	16.04	1,000,000	0.04159734	28.32	59.40	21	1,247	11,201			
31-Jul-08	4-Aug-08	119,648,000	111,777,960	48.3%	46.1%	3,714,659	31,941,427	98%	16	2,205	385	69	590	21	1,441	12,389	12,642	253	31-Jul-08	4-Aug-08	16.04	1,000,000	0.04159734	28.32	70.19	21	1,474	12,675			
4-Aug-08	8-Aug-08	129,492,900	119,648,000	47.0%	48.3%	4,691,095	36,632,522	98%	16	2,205	385	87	677	21	1,820	14,209	14,499	290	4-Aug-08	8-Aug-08	16.04	1,000,000	0.04159734	28.32	88.64	21	1,861	14,536			
8-Aug-08	13-Aug-08	148,182,700	129,492,900	39.4%	47.0%	8,073,994	44,706,516	98%	16	2,205	385	149	826	21	3,132	17,341	17,695	354	8-Aug-08	13-Aug-08	16.04	1,000,000	0.04159734	28.32	152.56	21	3,204	17,740			
13-Aug-08	22-Aug-08	161,527,500	148,182,700	43.9%	39.4%	5,558,109	50,264,625	98%	16	2,205	385	103	928	21	2,156	19,497	19,894	398	13-Aug-08	22-Aug-08	16.04	1,000,000	0.04159734	28.32	105.02	21	2,206	19,945			
22-Aug-08	29-Aug-08	169,138,600	161,527,500	45.2%	43.9%	3,390,745	53,655,370	98%	16	2,205	385	63	991	21	1,315	20,812	21,237	425	22-Aug-08	29-Aug-08	16.04	1,000,000	0.04159734	28.32	64.07	21	1,345	21,291			
29-Aug-08	2-Sep-08	173,405,850	169,138,600	44.1%	45.2%	1,905,327	55,560,697	98%	16	2,205	385	35	1,026	21	739	21,551	21,991	440	29-Aug-08	2-Sep-08	16.04	1,000,000	0.04159734	28.32	36.00	21	756	22,047			
2-Sep-08	4-Sep-08	187,706,250	173,405,850	45.2%	44.1%	6,395,125	61,945,826	98%	16	2,205	385	118	1,144	21	2,477	24,027	24,518	490	2-Sep-08	4-Sep-08	16.04	1,000,000	0.04159734	28.32	120.65	21	2,334	24,581			
4-Sep-08	11-Sep-08	203,434,860	187,706,250	44.3%	45.2%	7,038,553	68,984,379	98%	16	2,205	385	130	1,274	21	2,730	26,758	27,304	546	4-Sep-08	11-Sep-08	16.04	1,000,000	0.04159734	28.32	133.00	21	2,793	27,374			
11-Sep-08	19-Sep-08	214,959,750	203,434,860	45.2%	44.3%	5,157,388	74,141,767	98%	16	2,205	385	95	1,369	21	2,000	28,758	29,345	587	11-Sep-08	19-Sep-08	16.04	1,000,000	0.04159734	28.32	97.45	21	2,047	29,420			
19-Sep-08	25-Sep-08	226,908,400	214,959,750	49.0%	45.2%	5,627,814	79,769,581	98%	16	2,205	385	104	1,473	21	2,183	30,941	31,572	631	19-Sep-08	25-Sep-08	16.04	1,000,000	0.04159734	28.32	106.34	21	2,233	31,653			
25-Sep-08	1-Oct-08	240,848,380	226,908,400	48.7%	49.0%	6,809,680	86,579,261	98%	16	2,205	385	126	1,599	21	2,641	33,582	34,268	685	25-Sep-08	1-Oct-08	16.04	1,000,000	0.04159734	28.32	128.67	21	2,702	34,356			
1-Oct-08	8-Oct-08	258,627,390	240,848,380	45.1%	48.7%	8,338,356	94,917,617	98%	16	2,205	385	154	1,753	21	3,234	36,817	37,568	751	1-Oct-08	8-Oct-08	16.04	1,000,000	0.04159734	28.32	157.56	21	3,309	37,664			
8-Oct-08	17-Oct-08	286,032,550	258,627,390	45.3%	45.1%	12,387,132	107,304,749	98%	16	2,205	385	229	1,982	21	4,805	41,621	42,471	849	8-Oct-08	17-Oct-08	16.04	1,000,000	0.04159734	28.32	234.06	21	4,915	42,580			
17-Oct-08	31-Oct-08	294,488,900	286,032,550	42.1%	45.3%	3,695,425	111,000,174	98%	16	2,205	385	68	2,050	21	1,433	43,055	43,933	879	17-Oct-08	31-Oct-08	16.04	1,000,000	0.04159734	28.32	69.83	21	1,466	44,046			
31-Oct-08	4-Nov-08	296,990,800	294,488,900	41.5%	42.1%	1,045,794	112,045,968	98%	16	2,205	385	19	2,070	21	406	43,460	44,347	887	31-Oct-08	4-Nov-08	16.04	1,000,000	0.04159734	28.32	19.76	21	415	44,461			
4-Nov-08	5-Nov-08	313,960,500	296,990,800	38.8%	41.5%	6,813,335	118,859,303	98%	16	2,205	385	126	2,195	21	2,643	46,103	47,044	941	4-Nov-08	5-Nov-08	16.04	1,000,000	0.04159734	28.32	128.74	21	2,704	47,165			
5-Nov-08	13-Nov-08	331,252,900	313,960,500	37.7%	38.8%	6,614,343	125,473,646	98%	16	2,205	385	122	2,318	21	2,566	48,669	49,662	993	5-Nov-08	13-Nov-08	16.04	1,000,000	0.04159734	28.32	124.98	21	2,625	49,789			
13-Nov-08	21-Nov-08	346,879,000	331,252,900	39.1%	37.7%	6,000,422	131,474,068	98%	16	2,205	385	111	2,428	21	2,327	50,996	52,037	1,041	13-Nov-08	21-Nov-08	16.04	1,000,000	0.04159734	28.32	113.38	21	2,381	52,170			
21-Nov-08	28-Nov-08	352,201,750	346,879,000	43.9%	39.1%	2,208,941	133,683,010	98%	16	2,205	385	41	2,469	21	857	51,853	52,911	1,058	21-Nov-08	28-Nov-08	16.04	1,000,000	0.04159734	28.32	41.74	21	877	53,047			
28-Nov-08	1-Dec-08	356,277,500	352,201,750	37.9%	43.9%	1,666,982	135,349,991	98%	16	2,205	385	31	2,500	21	947	52,499	53,571	1,071	28-Nov-08	1-Dec-08	16.04	1,000,000	0.04159734	28.32	31.59	21	851	53,708			
1-Dec-08	3-Dec-08	373,037,400	356,277,500	43.2%	37.9%	6,796,139	142,146,131	98%	16	2,205	385	126	2,625	21	2,636	55,135	56,261	1,125	1-Dec-08	3-Dec-08	16.04	1,000,000	0.04159734	28.32	128.42	21	2,697	56,405			
3-Dec-08	12-Dec-08	384,563,000	373,037,400	41.7%	43.2%	4,892,617	147,038,748	98%	16	2,205	385	90	2,716	21	1,898	57,033	58,197	1,164	3-Dec-08	12-Dec-08	16.04	1,000,000	0.04159734	28.32	92.45	21	1,941	58,346			
12-Dec-08	18-Dec-08	396,571,800	384,563,000	48.2%	41.7%	5,397,956	152,436,704	98%	16	2,205	385	100	2,816	21	2,094	59,127	60,334	1,207	12-Dec-08	18-Dec-08	16.04	1,000,000	0.04159734	28.32	102.00	21	2,142	60,488			
18-Dec-08	26-Dec-08	405,043,300	396,571,800	44.8%	48.2%	3,939,248	156,375,951	98%	16	2,205	385	73	2,888	21	1,528	60,655	61,893	1,238	18-Dec-08	26-Dec-08	16.04	1,000,000	0.04159734	28.32	74.43	21	1,563	62,052			
26-Dec-08	31-Dec-08	407,821,229	405,043,300	45.0%	44.8%	1,247,290	157,623,241	98%	16	2,205	385	23	2,911	21	484	61,139	62,386	1,248	26-Dec-08	31-Dec-08	16.04	1,000,000	0.04159734	28.32	23.57	21	495	62,546			
31-Dec-08	1-Jan-09	408,497,000	407,821,229	43.3%	45.0%	298,353	157,921,594	98%	16	2,205	385	6	2,917	21	116	61,254	62,505	1,250	31-Dec-08	1-Jan-09	16.04	1,000,000	0.04159734	28.32	5.64	21	118	62,665			
TOTAL for 2nd Half 2008 =																							2,984.04								

	EXHIBIT 4						
	ALLOCATION OF METHANE EMISSION REDUCTIONS TO POST-1999 SYSTEM						
	A	B	C	D	E		
	Year	Total methane reductions, metric tons	System methane reductions, metric tons	System methane reductions, metric tons	System CO2 Equivalent Offsets, Metric Tons		
	Second Half 2008	2,984	1,186	1,798	37,753		
A	Portion of Calendar Year						
B	Total annual measured quantity of methane collected from the Landfill.						
	Destruction assumed to be 100 percent per CCX Project Guidelines for LFG.						
C	The 2,373 metric tons per year of methane collected from the Pre-1999 System, which is assumed to remain the same quantity as measured at the Pre-1999 System peak for 1998.						
	One-half year is 1,186 metric tons of methane.						
D	Column C subtracted from Column B.						
E	Column D multiplied by the net rate of 21 tons of CO2 for each						