Annual Report Form
WASTE TO ENERGY FACILITIES
for the Maine Department of Environmental Protection and Maine State Planning Office

For YEAR: 2012

Name of Facility: Penobscot Energy Recovery Company

Location: Orrington e-mail: mmains@percwte.com

DEP License: S-011383-WG-A-N

Facility Operator: Peter Prata Phone#: 825-4566 ext 116

Contractor Contact Person: Michael Mains Phone#: 825-4566 ext 118

Billing Contact Person: Deanne Mansell Phone#: 825-4566

This form must be used by respondents; another format is not acceptable, without prior approval.

VERIFICATION OF INFORMATION SUBMITTED, VIA THE ATTACHMENTS

I, Peter J. Prata, have examined this report and to the best of my knowledge and belief, said report (please print name) is true, correct and complete

(authorized signature for company) Plant Manager (title) 4/23/13 (date)

Name of Company: Penobscot Energy Recovery Company

Address: 29 Industrial Way, Orrington, Maine 04474

GARY A. STACEY
Notary Public • State of Maine
My Commission Expires March 16, 2018

Subscribed and sworn to before me on 4/23/13 (date) My commission expires (date)

Gary A. Stacey (Notary Public – print name) Gary a. Stacey (Notary Public – signature)

Michael Mains, Technical Manager
(name & title of form preparer, if different from above)

(address and business phone of preparer, if different from above)

Please return two (2) copies of the completed form and applicable fee by April 30th to:
Vicky Bryant, Maine Dept. of Environmental Protection
17 State House Station, Augusta, Maine 04333-0017

Narrative Report on Operations

Please include the following information for the reporting year:

(1) A summary of the operational records and any events outside of the normally expected operations of the facility;

PERC is a resource recovery facility. It processes MSW into RDF. The RDF is com-busted in boilers to produce steam to drive a turbine that generates electricity. A small amount of wood was combusted as a supplemental fuel in 2012. In addition to RDF, MSW processing produces FEPR. The FEPR consists of glass & grit, non-processables, and ferrous. The glass & grit and non-processable components are disposed in landfills. The ferrous is recovered for remanufacture. The combustion of the RDF and the application of lime for acid gas control produces ash. The ash is disposed in secure landfills. The 2012 summary of materials received, shipped out, processed, produced or combusted are presented below. The quantities of materials received or produced do not match those processed or shipped out because their inventories at the beginning and end of the year are not equal.

SOLIDS FLOW SUMMARY (Tons)

MSW Received	311,631
FEPR Shipped	65,445
Ash Shipped	55,880
Bypass	0

PROCESSING SUMMARY (Tons)

MSW Processed	311,931
RDF Produced	246,461
FEPR Produced	65,470

COMBUSTION SUMMARY (Tons)

RDF Combusted	246,761
Wood Combusted	578
Ash Produced	55,855

There were few exceptional events during 2012.

The pending solid waste license renewal was discussed with the Department during Summar and early Fall.

Except for small quantities of wood waste from JSI Store Fixtures, Milo, Maine, no atypical and/or special wastes were knowingly accepted in 2012. The acceptance of this atypical waste was approved by the Department on May 18, 2012.

There were no substantive fires during 2012 that impacted facility operation to the degree where MSW deliveries, MSW processing or fuel delvery to the boilers were impacted.

Periodically during the year a local contractor brought a portable grinder to the facility to process the non-processable waste stream. This activity converted approximately 8,882 tons of waste, which would otherwise have gone to landfill, into fuel.

Despite best efforts to mitigate odors there are occasional complaints. The main component of the odor control system is the ductwork and fans that convey air from the tipping floor, process and storage areas to the power house as combustion air. There odors are destroyed in the boiler furnaces. Further control is achieved by spraying a neutralizing agent in key locations of the plant during the warmer part of the year. A total of 5 odor complaints, including 1 in Hampden, were received between May and August. Complaints are investigated by plant personnel, often with Town officials, and corrective actions taken when waranted.

Two minor oil spills (10 gallons or less) were documented during 2012 and handled pursuant to a Memorandum or Agreement with the Department.

(2) A summary of changes to the operations manual made during the past year and any known proposed changes to operations;

For reasons cited in prior years, there were no revisions to the draft operations manual made in 2012. Nonetheless the manual will be updated in 2013 to incorporate cumulative changes in facility design and operation, none of which are believed to be substantive from the perspective of regulatory compliance.

(3) A report of minor changes to the facility site or operations not requiring departmental approval that have occurred during the reporting year. Changes handled in this manner are those that do not require licensing under minor revision or amendment provision of DEP Chapter 400.

Annual overhauls were done to the major components of both process lines, including the flail mills, trommels, magnetic separators and secondary shredders. Both disc screens were changed-out. Process line equipment was repaired on an- as-needed basis throughout the year.

Concrete was poured in May to repair the floor center-east on the tipping floor near B-line, in July and December to repair the floor center-west on the tipping floor near A-line.

(4) A summary of the ash characterization results for the year, including detailed information concerning any ash characterization results that exceeded regulatory limits and the actions taken in response;

Ash sampling in 2012 was conducted five times, during one week per 10,000 ton produced. Once a shift a sample was made up from core samples of the fly and bottom ash piles in a full ash trailer. At the end of the week the shift samples were composited. The weekly composite samples were submitted to outside laboratories for analysis. Northeast Laboratory Services analyzed the samples for TCLP metals, total metals and other inorganic parameters. Two samples from the first and second half of the year were also submitted to Pace Analytical for dioxin/furan analysis.

The 2012 TCLP results are presented in Table 1. Most of the metal analytes were near or below detection limits and substantially below the regulatory threshold.

TCLP results and statistical analysis since the third quarter of 1994 are presented in Table 2. The third quarter of 1994 represents the first sample set collected from the new ash load out building. The upper confidence limits remain below the regulatory thresholds for all analytes.

The total metals and other inorganic parameters are presented in Table 3. These parameters do not have regulatory thresholds. They were collected and analyzed for informational purposes.

The dioxin/furan results are presented in Table 4. They include the 2,3,7,8 isomers and totals for each homologue. There are no regulatory thresholds for dioxin in ash. The data is collected as required by license condition and by regulation.

(5) A summary of the amounts and destinations of residues and ash generated by the facility and a demonstration that sufficient disposal capacity is guaranteed for the ash and all residues expected to be generated during the next year;

A summary of ash and residue disposal follows:

Material	Tons	Destination
Ash	55,880	JRL, Old Town, ME
Non-Processables/OBW	44	JRL, Old Town, ME
Glass & Grit	65,445	JRL, Old Town, ME
Ferrous	8,708	WTE Recycling, Greenfield, MA

PERC has contracts with Casella Waste Systems for FEPR and ash disposal through 2018. While Casella has an exclusive contract and must provide disposal for these waste streams, they have discretion to direct some of the wastes to other landfills. PERC has been advised by Casella that all residue streams were disposed in the Juniper Ridge Landfill, operated by Casella. Permitted capacity is expected to last for the duration of the contract.

(6) A summary of the wastes accepted for incineration and the characterization results for these wastes;

Except for small quantities of wood waste from JSI Store Fixtures, Milo, Maine, no atypical and/or special wastes were knowingly accepted in 2012. The Department did not require waste characterization on this atypical waste. Therefore, no waste characterizations were conducted.

(7) Monitoring records if ground water, surface water, soil, or other monitoring is required by the facility's solid waste license;

PERC is not required to monitor soil, ground water or most surface water. As required by the MEPDES permit renewed on August 26, 2009 PERC conducts and documents visual examinations of the discharge from the outfall of its stormwater detention pond. The monitoring results of the wastewater treatment final effluent are included in the Discharge Monitoring Report submitted to the Department's Bureau of Land and Water Quality. PERC also submits excess emission reports, CEMS audit reports and stack test reports to the Department's Bureau of Air Quality.

(8) A summary of operator training conducted during the year; and

Since the operations manual was not completed, training could not be conducted on it. Training is provided to new employees within 6 months of the date of hire on the operating manual, as required by PERC's Part 70 Air Emission License. Members of PERC's structural fire brigade undergo training on a quarterly basis. New employees undergo training on the Integrated Contingency Plan that includes hazard communications and emergency response procedures.

(9) An annual update on cost and documentation of any changes made to the financial assurance instrument in accordance with DEP Chapter 400 Section 11.

A Letter of Credit (LOC) to close the facility by a third party was renewed on March 15, 2011. It was issued in the amount of $540,000. The Standby Trust Agreement issued on April 13, 2001 remains in effect. The LOC was renewed again on March 15, 2013 in the amount of $540,000.

Date: April 24, 2013
Annual WTE Incinerator Report for Penobscot Energy Recovery Company

FORM A
SOLID WASTE VOLUMES RECEIVED

WASTE SOURCE SUMMARY [1] (TONS)

MONTH	MUNICIPAL	COMMERCIAL	SPOT MARKET	OTHER [2]	TOTAL
JANUARY	14,146.50	6,160.11	1,640.21	92[3]	21,946.82
FEBRUARY	13,069.06	6,217.59	2,589.09	196[3]	21,875.74
MARCH	14,756.79	5,776.90	4,132.01	0	24,665.70
APRIL	15,163.65	9,219.13	3,372.38	0	27,755.16
MAY	17,714.74	9,428.17	1,292.73	0	28,435.64
JUNE	17,209.01	9,681.39	719.91	0	27,610.31
JULY	17,631.23	8,000.37	452.61	0	26,084.21
AUGUST	19,107.02	9,289.01	698.73	28[4]	29,094.76
SEPTEMBER	16,638.90	8,078.02	753.59	40[4]	25,470.51
OCTOBER	18,067.56	10,628.51	532.32	116[4]	29,228.39
NOVEMBER	16,182.20	8,288.08	507.74	55[4]	24,978.02
DECEMBER	14,305.39	9,539.35	640.80	30[3]/21[4]	24,485.54
TOTALS	193,992.05	100,306.63	17,332.12	578	311,630.80

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1 In addition to the above, attach a month-by-month summary of waste received from each account. Indicate any accounts delivering waste from outside Maine and the amount of imported waste delivered. In lieu of names, each commercial account may be identified as a HAULER or as a BUSINESS.

2 OTHER INCLUDES WOOD CHIPS, INDUSTRIAL WASTES OR SPECIAL WASTES ACCEPTED.

3 Whole Tree Chips

4. Wood Waste from JSI Store Fixtures, Milo, ME

FORM B

WASTE HANDLING SUMMARY

MSW received by state/province of origin (tons)

State/Province of Origin	Amount (tons)	Percent of Total
Maine	225,759	71
Massachusetts	79,033	26
New Hampshire	6,839	3
Other state/province (fill in name):_____		
Other state/province (fill in name):_____		
Total	311,631	100

Amount of RDF Produced:	**246,461**

Materials disposition by facility shipped to (tons):

Material	Tons	Receiving Facility
FEPR	56,692	Juniper Ridge Landfill, OT
Bypass	-0-	
Recovered Metal - ferrous	8,708	WTE Recycling Greenfield, MA
Recovered Metal – non-ferrous	-0-	
Non-Processible/OBW	44	Juniper Ridge Landfill, OT
Other (describe waste stream):	-0-	
Ash	55,880	Juniper Ridge Landfill, OT

FORM C
TIPPING FEES ($ PER TON)

CONTRACT HOLDER TIP FEES

	Low Fee	High fee	Average fee	Projected fee for next year
MUNICIPAL CUSTOMERS	0	0	0	0
Host municipality(ies)	73.00	76.50	74.01	75.50
Charter municipalities	55.84	57.39	56.69	58.00
Contracted municipalities (more than one year)				
Contracted municipalities (one year or less)				
Other (describe)				
COMMERCIAL CUSTOMERS				
Contracted (more than one year)	27.83	35.86	30.45	31.00
Short term contract (one year or less)				
Other (describe)				

SPOT MARKET - QUARTERLY AVERAGE TIP FEES

	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter
MUNICIPAL SPOT	71.64	71.15	70.75	71.33
COMMERCIAL SPOT	71.64	71.15	70.75	71.33

1 Please provide the lowest fee charged for each group.
2 Please provide the highest fee charged for each group.
3 Average is the sum of the tip fees paid by each group, divided by the total tons delivered by each group.

Date: April 24, 2013
Annual WTE Incinerator Report for Penobscot Energy Recovery Company

FORM D

REVENUES RECEIVED[1]

MONTH	TIPPING FEES[2] MUNICIPAL	TIPPING FEES[2] COMMERCIAL	SALES OF ELECTRICITY	OTHER [3]	TOTAL
JANUARY	$1,054,792.78	$192,354.55	1,494,689.99		2,741,837.32
FEBRUARY	$ 974,362.40	$200,666.06	1,376,057.14		2,551,085.60
MARCH	$1,100,706.26	$207,164.76	2,178,065.07		3,485,936.09
APRIL	$1,080,461.60	$256,561.49	2,096,361.50		3,433,384.59
MAY	$1,263,949.95	$274,427.62	2,243,978.57		3,782,356.14
JUNE	$1,227,692.78	$284,483.96	1,902,676.12		3,414,852.86
JULY	$1,257,647.95	$261,465.69	2,221,703.48		3,740,817.12
AUGUST	$1,363,727.22	$296,019.29	2,277,448.75		3,937,195.26
SEPTEMBER	$1,188,572.42	$241,427.20	2,186,887.83		3,616,887.45
OCTOBER	$1,305,647.05	$306,104.48	2,088,828.10		3,700,579.63
NOVEMBER	$1,169,880.16	$248,455.12	2,152,172.47		3,570,507.75
DECEMBER	$1,034,891.53	$284,909.95	2,128,465.60		3,448,267.08
TOTALS	$14,022,332.10	$3,054,040.17	24,347,334.62		41,423,706.89

Total number of kilowatt hours of electricity generated in calendar year: 166,161,899

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1 Please attach a copy of the annual report for the relevant calendar year
2 Include spot market revenues in the appropriate column.
3 Itemize other sources of revenues (e.g. oily waste) and attach supporting documentation.

FORM E

EXPENDITURES [1]

VARIABLE EXPENDITURES		
Labor	7,186	
Maintenance	7,926	
Utilities	395	
Operations/maintenance total		15,507
Wood chips	15	
Other (please identify)	810	
Alternative fuel purchased total		825
Ash & Front End Processing Residue disposal		5,858
Other variable costs		1,537
FIXED EXPENDITURES		
Fixed Expenses not listed above		1,816
Other Non-Operating (W/O Depreciation)		1,106
New capital investments		360
Debt service		3,023
Reserve		
TOTAL EXPENDITURES		30,032

1. Please attach a copy of annual report for the relevant fiscal year.

TABLE 1
TCLP (mg/l)

Sample ID Number	Date	AS	BA	CD	CR	PB	HG	SE	AG	V
C278	Mar 2012	< 0.20	< 1.2	< 0.05	< 0.05	< 0.05	< 0.05	< 0.25	< 0.05	< 0.05
C279	May 2012	< 0.20	< 0.79	< 0.05	< 0.05	< 0.05	< 0.05	< 0.25	< 0.05	< 0.05
C280	Jul 2012	< 0.20	< 0.77	< 0.05	< 0.05	< 0.05	< 0.05	< 0.25	< 0.05	< 0.05
C281	Oct 2012	< 0.20	< 0.56	< 0.05	< 0.05	< 0.05	< 0.05	< 0.25	< 0.05	< 0.05
C282	Dec 2012	< 0.20	< 0.77	< 0.05	< 0.05	< 0.05	< 0.05	< 0.25	< 0.05	< 0.05

TABLE 2
TCLP (mg/l)

Sample ID Number	Date		AS	BA	CD	CR	PB	HG	SE	AG	V
C141	Sep 1994	<	0.20 <	1.00 <	0.05 <	0.10 <	0.20	0.002 <	0.20 <	0.10 <	1.00
C142		<	0.20 <	1.00	0.32 <	0.10	0.22 <	0.001 <	0.20 <	0.10 <	1.00
C143		<	0.20 <	1.00	0.07	0.20	0.26 <	0.001 <	0.20 <	0.10 <	1.00
C144		<	0.20 <	1.00	1.25	0.12	0.29 <	0.001 <	0.20 <	0.10 <	1.00
C145	Dec 1994		0.30	1.20 <	0.05 <	0.10	0.43	0.030 <	0.20 <	0.10 <	1.00
C146		<	0.20 <	1.00	0.33 <	0.10 <	0.20	0.002 <	0.20 <	0.10 <	1.00
C147		<	0.20	1.26	0.44 <	0.10 <	0.20	0.001 <	0.20 <	0.10 <	1.00
C148		<	0.20	1.74 <	0.05 <	0.10	5.26 <	0.001 <	0.20 <	0.10 <	1.00
C149	Mar 1995	<	0.20	3.58 <	0.05 <	0.10	2.40 <	0.001 <	0.20 <	0.10 <	1.00
C150		<	0.20	1.35 <	0.05 <	0.10	3.66 <	0.001 <	0.20 <	0.10 <	1.00
C151		<	0.20	1.68 <	0.05 <	0.10	4.89 <	0.001 <	0.20 <	0.10 <	1.00
C152		<	0.20	1.78 <	0.05 <	0.10	4.98 <	0.001 <	0.20 <	0.10 <	1.00
C153	Jun 1995	<	0.20	2.01 <	0.05 <	0.10 <	0.20 <	0.001 <	0.20 <	0.10 <	1.00
C154		<	0.20	1.64	0.95 <	0.10 <	0.20	0.010 <	0.20 <	0.10 <	1.00
C155		<	0.20	1.67	0.67 <	0.10 <	0.20	0.005 <	0.20 <	0.10 <	1.00
C156		<	0.20	1.24	0.56 <	0.10 <	0.20 <	0.001 <	0.20 <	0.10 <	1.00
C157	Aug 1995	<	0.20	1.76	0.86	0.12	0.73	0.002 <	0.20 <	0.10 <	1.00
C158		<	0.20	2.19	0.17 <	0.10	0.29 <	0.001 <	0.20 <	0.10 <	1.00
C159		<	0.20	2.32	1.01	0.10	0.31	0.002 <	0.20 <	0.10 <	1.00
C160		<	0.20	1.16	1.46 <	0.10	0.20 <	0.001 <	0.20 <	0.10 <	1.00
C161	Dec 1995	<	0.20 <	1.00 <	0.05 <	0.10	0.53 <	0.050 <	0.20 <	0.10 <	1.00
C162		<	0.30 <	1.00 <	0.05 <	0.10	0.50 <	0.050 <	0.30 <	0.10 <	1.00
C163			0.30 <	1.00 <	0.05 <	0.10	1.30 <	0.020 <	0.20 <	0.10 <	1.00
C164			0.70 <	1.00 <	0.05 <	0.10	0.67 <	0.050 <	0.20 <	0.10 <	1.00
C165	Mar 1996	<	0.20	0.77	0.17 <	0.05 <	0.05 <	0.050	0.50 <	0.05 <	0.05
C166		<	0.20	1.10	0.24 <	0.05	0.24 <	0.050	0.40 <	0.05 <	0.05
C167		<	0.20	0.75 <	0.05	0.13	0.08 <	0.050 <	0.50 <	0.05 <	0.05
C168		<	0.20	0.89 <	0.05	0.23	0.54 <	0.050 <	0.50 <	0.10 <	0.05
C169	Jun 1996	<	0.20	0.76 <	0.05	0.17	0.05 <	0.050	0.80 <	0.05 <	0.05
C170		<	0.20	0.61 <	0.05	0.16 <	0.05 <	0.050	0.80 <	0.05 <	0.05
C171		<	0.20	0.83 <	0.05	0.14	0.14 <	0.050	0.70 <	0.05 <	0.05
C172		<	0.20	1.10	0.76	0.11	0.19 <	0.050	0.90 <	0.05 <	0.05
C173	Sep 1996	<	0.20	1.10	0.57	0.05	0.23 <	0.050	0.90 <	0.05 <	0.05
C174			0.30	0.90	0.54	0.16	0.32 <	0.050 <	0.20 <	0.05 <	0.05
C175		<	0.50	0.90	0.49	1.50	1.60 <	0.050 <	0.50 <	0.10 <	0.10
C176		<	0.20	0.97 <	0.05	0.19	0.16 <	0.050 <	0.50 <	0.10 <	0.05
C177	Dec 1996		0.90	1.20 <	0.05 <	0.05	2.50 <	0.050 <	0.50 <	0.05 <	0.05
C178		<	0.30	0.68	0.16 <	0.05	0.47 <	0.050 <	0.30 <	0.05 <	0.05
C179		<	0.30	1.09	1.06 <	0.05	0.56 <	0.050 <	0.30 <	0.05 <	0.05
C180		<	0.20	0.72 <	0.05 <	0.05	0.25 <	0.050 <	0.20 <	0.05 <	0.05
C181	Mar 1997	<	0.50	1.07	0.74	0.65	1.01 <	0.050 <	0.05 <	0.05 <	0.05
C182		<	0.20	1.20	0.20 <	0.05	0.36 <	0.050 <	0.20 <	0.05 <	0.05
C183		<	0.30	0.73 <	0.05 <	0.05	0.30 <	0.050 <	0.30 <	0.05 <	0.05
C184		<	0.20	0.65 <	0.05 <	0.05	0.15 <	0.050 <	0.20 <	0.05 <	0.05
C185	Jun 1997	<	0.20	1.50 <	0.05 <	0.05	0.35 <	0.050 <	0.20 <	0.05 <	0.05
C186		<	0.20	0.75 <	0.05 <	0.05 <	0.05 <	0.050 <	0.20 <	0.05 <	0.05
C187		<	0.20	0.52 <	0.05 <	0.05 <	0.05 <	0.050 <	0.20 <	0.05 <	0.05
C188		<	0.20	0.71 <	0.05 <	0.05 <	0.05 <	0.050 <	0.20 <	0.05 <	0.05
C189	Sep 1997	<	0.20	1.10 <	0.05 <	0.05 <	0.05 <	0.050 <	0.20 <	0.05 <	0.05
C190		<	0.20	1.40	1.10 <	0.05 <	0.05 <	0.050 <	0.20 <	0.05 <	0.05
C191		<	0.20	1.60	1.00 <	0.05 <	0.05 <	0.050 <	0.20 <	0.05 <	0.05
C192		<	0.20	1.40	0.35 <	0.05 <	0.05 <	0.050 <	0.20 <	0.05 <	0.05
C193	Nov 1997	<	0.20	1.00	0.75 <	0.05 <	0.05 <	0.050 <	0.20 <	0.05 <	0.05
C194		<	0.20	1.60	0.75 <	0.05 <	0.05 <	0.050 <	0.20 <	0.05 <	0.05
C195			0.30	0.88	0.35 <	0.05 <	0.05 <	0.050 <	0.20 <	0.05 <	0.05
C196		<	0.20	1.20	0.55 <	0.05 <	0.05 <	0.050 <	0.20 <	0.05 <	0.05
C197	Mar 1998	<	0.20	1.10	0.10 <	0.05 <	0.05 <	0.050 <	0.20 <	0.05 <	0.05
C198		<	0.20	1.30	0.77 <	0.05 <	0.05 <	0.050 <	0.20 <	0.05 <	0.05
C199		<	0.20 <	0.10	0.57 <	0.05 <	0.05 <	0.050 <	0.20 <	0.05 <	0.05
C200		<	0.20	1.10 <	0.05 <	0.05 <	0.05 <	0.050 <	0.20 <	0.05 <	0.05
C201	May 1998	<	0.20	1.10 <	0.05 <	0.05 <	0.05 <	0.050 <	0.20 <	0.05 <	0.05
C202		<	0.20	1.30	0.45 <	0.05 <	0.05 <	0.050 <	0.20 <	0.05 <	0.05
C203		<	0.20	1.60	0.71 <	0.05 <	0.05 <	0.050 <	0.20 <	0.05 <	0.05
C204		<	0.20	1.80	0.69 <	0.05 <	0.05 <	0.050 <	0.20 <	0.05 <	0.05
C205	Sep 1998	<	0.30 <	1.00	0.51 <	0.05 <	0.05 <	0.050 <	0.20 <	0.10	0.10
C206			0.40	1.10	1.80 <	0.05	3.50 <	0.050 <	0.20 <	0.05	0.10
C207			0.30	0.80	0.66 <	0.05 <	0.05 <	0.050 <	0.20 <	0.05	0.10
C208			0.30	1.40	0.53	0.05	0.06 <	0.050 <	0.20	0.08	0.11
C209	Nov 1998		0.50	0.80	0.80	1.90	8.20 <	0.020 <	0.20 <	0.05	0.09
C210			0.40	1.80 <	0.10	1.70	0.44 <	0.020 <	0.20 <	0.05	0.13
C211		<	0.20	0.95 <	0.05 <	0.05 <	0.05 <	0.050 <	0.20 <	0.05 <	0.05
C212		<	0.20	0.88 <	0.05 <	0.05 <	0.05 <	0.050 <	0.20 <	0.05 <	0.05
C213	Mar 1999		0.70	0.91	0.34	0.47	0.47 <	0.050 <	0.20	0.05	0.05
C214			0.80	0.99	0.64	0.47	0.62 <	0.050 <	0.20	0.05	0.08
C215			0.60	0.56	0.10	0.46	0.26 <	0.050 <	0.20 <	0.05	0.07
C216			0.80	1.40	0.68	0.49	0.53 <	0.050 <	0.20	0.05	0.08
C217	Jun 1999	<	0.20	1.60 <	0.05	0.47	0.05 <	0.050 <	0.20 <	0.05	0.10

TABLE 2
TCLP (mg/l)

Sample ID Number	Date		AS	BA	CD	CR	PB	HG	SE	AG	V
C218	Aug 1999	<	0.20	1.60	0.83	0.12	0.17 <	0.050 <	0.20 <	0.10	0.08
C219	Dec 1999	<	0.20	0.95	0.43 <	0.05	0.16 <	0.050 <	0.25 <	0.05 <	0.05
C220	Mar 2000	<	0.20	1.00	0.98 <	0.05	0.18 <	0.050 <	0.25 <	0.05 <	0.05
C221	Jun 2000	<	0.20	1.10	0.54 <	0.05	0.06 <	0.050 <	0.25 <	0.05 <	0.05
C222	Aug 2000	<	0.20	0.60	0.74	0.07	6.00 <	0.050 <	0.25 <	0.05 <	0.05
C223	Dec 2000	<	0.20	0.45	0.81 <	0.05	0.34 <	0.050 <	0.25 <	0.05 <	0.05
C224	Mar 2001	<	0.20	0.70	0.43 <	0.05 <	0.05 <	0.050 <	0.25 <	0.05 <	0.05
C225	Jun 2001		0.44	1.20	1.40 <	0.05	0.24 <	0.050	0.28 <	0.05 <	0.05
C226	Aug 2001		0.39	2.00	1.60 <	0.05	0.21 <	0.050 <	0.25 <	0.05 <	0.05
C227	Dec 2001	<	0.20	0.92	0.67 <	0.05 <	0.05	0.170 <	0.25 <	0.05 <	0.05
C228	Mar 2002	<	0.20	0.78	0.45 <	0.05 <	0.05	0.160 <	0.25 <	0.05 <	0.05
C229	Jun 2002	<	0.20	1.40	1.40 <	0.05 <	0.05 <	0.050 <	0.25 <	0.05 <	0.05
C230	Sep 2002	<	0.20	0.74 <	0.05 <	0.05 <	0.05 <	0.050 <	0.25	0.06 <	0.05
C231	Nov 2002	<	0.20	1.30	0.81 <	0.05	0.29 <	0.050 <	0.25 <	0.05 <	0.05
C232	Dec 2002	<	0.20	0.83 <	0.05 <	0.05 <	0.05 <	0.050 <	0.25 <	0.05 <	0.05
C233	Mar 2003	<	0.20	0.68 <	0.05 <	0.05 <	0.05 <	0.050 <	0.25 <	0.05 <	0.05
C234	Jun 2003		0.28	1.60	0.32 <	0.05	0.47 <	0.050 <	0.25 <	0.05 <	0.05
C235	Aug 2003		0.20	1.40	1.80 <	0.05	0.08 <	0.050 <	0.25 <	0.05 <	0.05
C236	Nov 2003	<	0.20	0.93 <	0.05 <	0.05 <	0.05 <	0.050 <	0.25 <	0.05 <	0.05
C237	Dec 2003	<	0.20	0.55	0.10 <	0.05 <	0.05 <	0.050 <	0.25 <	0.05 <	0.05
C238	Apr 2004	<	0.20	1.00	0.06 <	0.05 <	0.05 <	0.050 <	0.25 <	0.05 <	0.05
C239	May 2004	<	0.20	1.00	1.20 <	0.05	0.13 <	0.050 <	0.25	0.05 <	0.05
C240	Jun 2004	<	0.20	0.78 <	0.05 <	0.05 <	0.05 <	0.050 <	0.25 <	0.05 <	0.05
C241	Oct 2004	<	0.20	0.56 <	0.05 <	0.05 <	0.05 <	0.050 <	0.25 <	0.05 <	0.05
C242	Dec 2004	<	0.20	0.91	1.50 <	0.05	0.17 <	0.050 <	0.25 <	0.05 <	0.05
C243	Mar 2005	<	0.20	1.10 <	0.05 <	0.05	0.25 <	0.050 <	0.25 <	0.05 <	0.05
C244	May 2005	<	0.20	1.00 <	0.05 <	0.05	0.19 <	0.050 <	0.25	0.07 <	0.05
C245	Aug 2005	<	0.20	0.91 <	0.05 <	0.05	3.30 <	0.050 <	0.25 <	0.05 <	0.05
C246	Oct 2005	<	0.20	0.78 <	0.05 <	0.05 <	0.05 <	0.050 <	0.25 <	0.05	0.14
C247	Dec 2005	<	0.20	0.72 <	0.05 <	0.05 <	0.05 <	0.050 <	0.25 <	0.05 <	0.05
C248	Feb 2006	<	0.20	0.81 <	0.05 <	0.05 <	0.05 <	0.050 <	0.25 <	0.05 <	0.05
C249	May 2006	<	0.20	0.98 <	0.05 <	0.05 <	0.05 <	0.050 <	0.25 <	0.05 <	0.05
C250	Jul 2006	<	0.20	1.20 <	0.05 <	0.05 <	0.05 <	0.050 <	0.25 <	0.05 <	0.05
C251	Sep 2006	<	0.20	0.85 <	0.05 <	0.05 <	0.05 <	0.050 <	0.25	0.06 <	0.05
C252	Dec 2006	<	0.20	1.30	1.30 <	0.05	0.28 <	0.050 <	0.25 <	0.05 <	0.05
C253	Mar 2007	<	0.20	0.86 <	0.05 <	0.05 <	0.05 <	0.050 <	0.25 <	0.05 <	0.05
C254	May 2007	<	0.20	1.50	3.10 <	0.05	0.29 <	0.050 <	0.25 <	0.05	0.05
C255	Jul 2007	<	0.20	0.94 <	0.05 <	0.05 <	0.05 <	0.050 <	0.25 <	0.05 <	0.05
C256	Sep 2007	<	0.20	1.20 <	0.05 <	0.05	4.60 <	0.050 <	0.25 <	0.05 <	0.05
C257	Nov 2007	<	0.20	0.86	1.20 <	0.05	0.08 <	0.050 <	0.25 <	0.05 <	0.05
C258	Apr 2008	<	0.20	1.10 <	0.05 <	0.05 <	0.05 <	0.050 <	0.25 <	0.05 <	0.05
C259	Jun 2008	<	0.20	2.10 <	0.05 <	0.05	3.30 <	0.050 <	0.25 <	0.05 <	0.05
C260	Aug 2008	<	0.20	1.40 <	0.05 <	0.05	4.50 <	0.050 <	0.25 <	0.05 <	0.05
C261	Oct 2008	<	0.20	1.90 <	0.05 <	0.05	2.90 <	0.050 <	0.25 <	0.05 <	0.05
C262	Dec 2008	<	0.20	0.96 <	0.05 <	0.05	4.40 <	0.050 <	0.25 <	0.05 <	0.05
C263	Feb 2009	<	0.20	0.81 <	0.05 <	0.05	2.00 <	0.050 <	0.25 <	0.05 <	0.05
C264	Apr 2009	<	0.20	0.89 <	0.05 <	0.05	0.26 <	0.050 <	0.25 <	0.05 <	0.05
C265	May 2009	<	0.20	0.69 <	0.05 <	0.05	4.50 <	0.050 <	0.25 <	0.05 <	0.05
C266	Aug 2009	<	0.20	2.30 <	0.05 <	0.05	5.90 <	0.050 <	0.25 <	0.05 <	0.05
C267	Nov 2009	<	0.20	1.00 <	0.05 <	0.05	3.40	0.095 <	0.25 <	0.05 <	0.05
C268	Feb 2010	<	0.20	2.30 <	0.05 <	0.05	3.90 <	0.050 <	0.25 <	0.05 <	0.05
C269	May 2010	<	0.20	2.00 <	0.05 <	0.05	3.10 <	0.050 <	0.25 <	0.05 <	0.05
C270	Jun 2010	<	0.20	2.80 <	0.05 <	0.05	2.20 <	0.050 <	0.25 <	0.05 <	0.05
C271	Aug 2010	<	0.20	0.70 <	0.05 <	0.05 <	0.05 <	0.050 <	0.25 <	0.05 <	0.05
C272	Nov 2010	<	0.20	0.82 <	0.05 <	0.05 <	0.05 <	0.050 <	0.25 <	0.05 <	0.05
C273	Jan 2011	<	0.20	1.20 <	0.05 <	0.05 <	0.05 <	0.050 <	0.25 <	0.05 <	0.05
C274	Apr 2011	<	0.20	0.55 <	0.05 <	0.05 <	0.05 <	0.050 <	0.25 <	0.05 <	0.05
C275	Jun 2011	<	0.20	0.65 <	0.05 <	0.05 <	0.05 <	0.050 <	0.25 <	0.05 <	0.05
C276	Aug 2011	<	0.20	0.96 <	0.05 <	0.05 <	0.05 <	0.050 <	0.25 <	0.05 <	0.05
C277	Nov 2011	<	0.20	0.95 <	0.05 <	0.05	1.10 <	0.050 <	0.25 <	0.05 <	0.05
C278	Mar 2012	<	0.20	1.20 <	0.05 <	0.05 <	0.05 <	0.050 <	0.25 <	0.05 <	0.05
C279	May 2012	<	0.20	0.79 <	0.05 <	0.05 <	0.05 <	0.050 <	0.25 <	0.05 <	0.05
C280	Jul 2012	<	0.20	0.77 <	0.05 <	0.05 <	0.05 <	0.050 <	0.25 <	0.05 <	0.05
C281	Oct 2012	<	0.20	0.56 <	0.05 <	0.05 <	0.05 <	0.050 <	0.25 <	0.05 <	0.05
C282	Dec 2012	<	0.20	0.77 <	0.05 <	0.05 <	0.05 <	0.050 <	0.25 <	0.05 <	0.05
n			142	142	142	142	142	142	142	142	142
MEAN			0.24	1.13	0.37	0.12	0.80	0.04	0.26	0.06	0.22
VAR			0.02	0.23	0.24	0.06	2.34	0.00	0.02	0.00	0.13
STD DEV			0.12	0.48	0.49	0.25	1.53	0.02	0.13	0.02	0.36
STD ERR			0.01	0.04	0.04	0.02	0.13	0.00	0.01	0.00	0.03
t STAT			1.289	1.289	1.289	1.289	1.289	1.289	1.289	1.289	1.289
UCL			0.26	1.19	0.42	0.15	0.97	0.05	0.27	0.06	0.25
RT			5.0	100.0	1.0	5.0	5.0	0.2	1.0	5.0	200.0

TABLE 3
Total Metals/Inorganic Parameters
mg/l (unless noted otherwise)

	C278 Mar 2012	C279 May 2012	C280 Jul 2012	C281 Oct 2012	C282 Dec 2012
PH (SU)	12.00	11.80	11.90	12.10	12.00
%CA EQ	27.00	6.00	35.00	39.00	42.00
%SLD	77.00	82.00	75.00	72.00	72.00
%LOI	2.70	2.70	4.00	4.50	2.80
AL	18000.00	25000.00	39000.00	30000.00	24000.00
AS	5.00	22.00	23.00	16.00	19.00
BA	280.00	490.00	330.00	630.00	420.00
CD	30.00	58.00	80.00	56.00	65.00
CA	110000.00	150000.00	140000.00	160000.00	170000.00
CL	70000.00	49000.00	67000.00	45000.00	39000.00
CR	31.00	50.00	60.00	54.00	41.00
CR(VI)	6.80	1.30	8.70	1.30	9.00
CU	9600.00	1200.00	2600.00	1600.00	880.00
FE	9800.00	11000.00	15000.00	21000.00	13000.00
PB	510.00	670.00	1000.00	1100.00	1200.00
MG	4700.00	9300.00	7400.00	7500.00	6200.00
MN	460.00	510.00	710.00	580.00	600.00
HG	3.40	2.70	3.40	1.50	2.60
MO	7.20	10.00	12.00	14.00	10.00
NI	43.00	54.00	68.00	89.00	31.00
PO4	8000.00	11000.00	11000.00	12000.00	15000.00
P	2600.00	3700.00	3500.00	3900.00	4900.00
K	6400.00	8800.00	8600.00	7000.00	10000.00
SE	9.00	7.00	1.70	4.50	4.10
AG	16.00	3.20	1.40	0.45	7.40
NA	19000.00	19000.00	19000.00	17000.00	28000.00
SO4	3000.00	560.00	600.00	190.00	340.00
V	16.00	26.00	24.00	34.00	18.00
ZN	4900.00	3800.00	5300.00	7400.00	14000.00

TABLE 4
PCDD/PCDF (ppb)

NAME	C279	C282
Date	May 2012	Dec 2012
2378-TCDD	0.0170	0.052
12378-PeCDD	0.0320	0.140
123478-HxCDD	0.0310	0.130
123678-HxCDD	0.0500	0.190
123789-HxCDD	0.0420	0.190
1234678-HpCDD	0.2700	1.000
OCDD	0.3000	1.700
2378-TCDF	0.1200	0.280
12378-PeCDF	0.1300	0.370
23478-PeCDF	0.1500	0.440
123478-HxCDF	0.1300	0.470
123678-HxCDF	0.1300	0.460
234678-HxCDF	0.1100	0.360
123789-HxCDF	0.0290	0.019
1234678-HpCDF	0.2200	1.200
1234789-HpCDF	0.0260	0.130
OCDF	0.0500	0.340
TOTAL TCDD	0.360	0.760
TOTAL PeCDD	0.410	1.200
TOTAL HxCDD	0.640	2.200
TOTAL HpCDD	0.500	1.900
TOTAL TCDF	2.700	7.600
TOTAL PeCDF	1.900	5.200
TOTAL HxCDF	1.100	2.500
TOTAL HpCDF	0.320	1.700
TOTAL PCDD	2.210	7.760
TOTAL PCDF	6.070	17.340
TOTAL PCDD/F	8.280	25.100

Annual Report
of
Penobscot Energy Recovery Company, Limited Partnership
A Limited Partnership

Statement of Operations

	Year End December 31, 2012	
Revenues:		
Electric Power Revenues	21,133,667	net of performance credit
Waste Processing Revenues	14,383,080	payments and deferred revenue.
Total revenues	35,516,747	
Operating expenses:		
Supplemental fuels	1,243,072	
Electric power purchase	24,869	
Disposal costs	5,858,375	
Operating and maintenance fees	8,062,060	
Equipment and maintenance costs	7,925,681	
Depreciation	3,455,853	
Loss on Disposal of Assets		
Real estate taxes	622,421	
Insurance	388,902	
Other	2,353,528	
Total operating expenses	29,934,761	
Operating income before interest and other financing costs, net and extraordinary it	5,581,986	
Interest and other financing costs, net	(474,764)	
Net income	5,107,222	