



Analysis Report

November 16, 2015

COVANTA ENERGY WBH LLC

445 SOUTH STREET
MORRISTOWN NJ 07960

Page 1 of 1

ATTN: Shelly Seow

Client Sample ID:	120HR D2 10/28/15 Run 1	Sample ID By:	Covanta
Date Sampled:	Oct 28, 2015	Sample Taken At:	Residue Building
Date Received:	Nov 2, 2015	Sample Taken By:	Submitted
Product Description:	ASH		

SGS Minerals Sample ID: 491-1588805-001

	<u>Method</u>	<u>As Received</u>	<u>Dry</u>
Moisture, Total %	ASTM D3302	17.24	
Sulfur %	ASTM D4239 (A)	0.87	1.05
Gross Calorific Value Btu/lb	ASTM D5865		<100

<u>Tests</u>	<u>Result</u>	<u>Unit</u>	<u>Method</u>
UOM, Sample Weight		g ---	
Sample Weight	5116.0	---	

Vanessa Chambliss
Branch Manager

SGS North America Inc. Minerals Services Division
16130 Van Drunen Road South Holland IL 60473 t (708) 331-2900 f (708) 333-3060 www.sgs.com/minerals

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Page 1 of 1

ATTN: Shelly Seow

Client Sample ID:	120HR D2 10/28/15 Run 2	Sample ID By:	Covanta
Date Sampled:	Oct 28, 2015	Sample Taken At:	Residue Building
Date Received:	Nov 2, 2015	Sample Taken By:	Submitted
Product Description:	ASH		

SGS Minerals Sample ID: 491-1588805-002

	<u>Method</u>	<u>As Received</u>	<u>Dry</u>
Moisture, Total %	ASTM D3302	17.23	
Sulfur %	ASTM D4239 (A)	0.86	1.04
Gross Calorific Value Btu/lb	ASTM D5865		<100

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Page 1 of 1

ATTN: Shelly Seow

Client Sample ID:	120HR D2 10/28/15 Run 3	Sample ID By:	Covanta
Date Sampled:	Oct 28, 2015	Sample Taken At:	Residue Building
Date Received:	Nov 2, 2015	Sample Taken By:	Submitted
Product Description:	ASH		

SGS Minerals Sample ID: 491-1588805-003

	<u>Method</u>	<u>As Received</u>	<u>Dry</u>
Moisture, Total %	ASTM D3302	17.24	
Sulfur %	ASTM D4239 (A)	0.86	1.03
Gross Calorific Value Btu/lb	ASTM D5865		<100

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Page 1 of 1

ATTN: Shelly Seow

Client Sample ID: 120HR D3 10/29/15 Run 1
Date Sampled: Oct 29, 2015
Date Received: Nov 2, 2015
Product Description: ASH
Sample ID By: Covanta
Sample Taken At: Residue Building
Sample Taken By: Submitted

SGS Minerals Sample ID: 491-1588805-004

Table with 4 columns: Property, Method, As Received, Dry. Rows include Moisture, Total %, Sulfur %, and Gross Calorific Value Btu/lb.

Table with 4 columns: Tests, Result, Unit, Method. Row: Sample Weight, 5020.6, ---

Handwritten signature of Vanessa Chambliss

Vanessa Chambliss
Branch Manager

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Page 1 of 1

ATTN: Shelly Seow

Client Sample ID:	120HR D3 10/29/15 Run 2	Sample ID By:	Covanta
Date Sampled:	Oct 29, 2015	Sample Taken At:	Residue Building
Date Received:	Nov 2, 2015	Sample Taken By:	Submitted
Product Description:	ASH		

SGS Minerals Sample ID: 491-1588805-005

	<u>Method</u>	<u>As Received</u>	<u>Dry</u>
Moisture, Total %	ASTM D3302	14.40	
Sulfur %	ASTM D4239 (A)	0.83	0.97
Gross Calorific Value Btu/lb	ASTM D5865		<100

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Page 1 of 1

ATTN: Shelly Seow

Client Sample ID:	120HR D3 10/29/15 Run 3	Sample ID By:	Covanta
Date Sampled:	Oct 29, 2015	Sample Taken At:	Residue Building
Date Received:	Nov 2, 2015	Sample Taken By:	Submitted
Product Description:	ASH		

SGS Minerals Sample ID: 491-1588805-006

	<u>Method</u>	<u>As Received</u>	<u>Dry</u>
Moisture, Total %	ASTM D3302	14.39	
Sulfur %	ASTM D4239 (A)	0.81	0.94
Gross Calorific Value Btu/lb	ASTM D5865		<100

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