

**Covanta Durham-York  
8 Hour Test Bottom Ash Sampling**

Date: Sun April 27

	Time (10 min. intervals)	Sample Number	Sample Weight (- 227 kg)	Screened Weight	
				+ 50 mm	- 50 mm
Hour 1	9:00	1	46 Lbs.	2 Lbs.	44 Lbs.
	9:10	2	49 Lbs.	0 Lbs.	49 Lbs.
	9:20	3	44 Lbs.	1 Lbs.	43 Lbs.
	9:30	4	45 Lbs.	1 lbs	44 lbs.
	9:40	5	46 Lbs.	1 lbs	45 lbs.
	9:50	6	44 Lbs.	1 lbs	43 lbs.
Sub-total			274	6 lbs	268 lbs.
Hour 2	10:00	1	44 lbs.	1 lbs.	43 lbs.
	10:10	2	45 lbs.	2 lbs.	43 lbs.
	10:20	3	44 lbs.	3 lbs.	41 lbs.
	10:30	4	45 lbs.	2 lbs.	43 lbs.
	10:40	5	47 lbs.	1 lbs.	46 lbs.
	10:50	6	47 lbs.	4 lbs.	43 lbs.
Sub-total			272 lbs.	13 lbs.	259 lbs.
Hour 3	11:00	1	<del>49</del>	0	51 49
	11:10	2	<del>50</del>	<del>0</del> 6	47 45.
	11:20	3	50	4	46
	11:30	4	48 lbs.	3 lbs.	45 lbs.
	11:40	5	46 lbs.	1 lbs.	45 lbs.
	11:50	6	47 lbs.	5 lbs.	42 lbs.
Sub-total			291	19 lbs.	272 lbs.
Hour 4	12:00	1	45 lbs.	2 lbs.	43 lbs.
	12:10	2	47 lbs.	4 lbs.	43 lbs.
	12:20	3	48 lbs.	1 lbs.	47 lbs.
	12:30	4	46 lbs.	1 lbs.	45 lbs.
	12:40	5	47 lbs.	1 lbs.	46 lbs.
	12:50	6	47 lbs.	2 lbs.	
Sub-total			280	11 lbs.	269 lbs.
4 hr totals			1117 lbs.	49 lbs.	1068 lbs.

\* 7 lbs of paper/fabric \* From 1<sup>st</sup> of Hour 1 +  
FIRST 6 SAMPLES OF 5-DAY, DAY 1.  
Any unused sample is put into the bag with the  
test ash

**Covanta Durham-York  
8 Hour Test Bottom Ash Sampling**

Date: Sept 27/15

Hour	Time (10 min. intervals)	Sample Number	Sample Weight (~ 22.7 kg)	Screened Weight	
				+ 50 mm	- 50 mm
Hour 5	1:00 pm	1	49 lbs	6 lbs	43 lbs
	1:10	2	48 lbs	1 lbs	47 lbs
	1:20	3	50 lbs	1 lbs	49 lbs
	1:30	4	48 lbs	2 lbs	46 lbs
	1:40	5	48 lbs	1 lbs	47 lbs
	1:50	6	45 lbs	2 lbs	43 lbs
Sub-total			288 lbs	13 lbs	275 lbs
Hour 6	2:00 pm	1	46 lbs	1 lbs	45 lbs
	2:10 pm	2	47 lbs	2 lbs	45 lbs
	2:20	3	45 lbs	4 lbs	41 lbs
	2:30	4	50 lbs	5 lbs	45 lbs
	2:40	5	45 lbs	4 lbs	41 lbs
	2:50	6	50 lbs	2 lbs	48 lbs
Sub-total			283 lbs	18 lbs	265 lbs
Hour 7	3:00	1	48 lbs	1 lbs	47 lbs
	3:10	2	51 lbs	1 lbs	50 lbs
	3:20	3	50 lbs	0 lbs	50 lbs
	3:30	4	52 lbs	2 lbs	50 lbs
	3:40	5	49 lbs	1 lbs	48 lbs
	3:50	6	49 lbs	1 lbs	48 lbs
Sub-total			299	6 lbs	293 lbs
Hour 8	4:00	1	49 lbs	3 lbs	46 lbs
	4:10	2	48 lbs	6 lbs	42 lbs
	4:20	3	48 lbs	2 lbs	46 lbs
	4:30	4	48 lbs	2 lbs	46 lbs
	4:40	5	49 lbs	1 lbs	48 lbs
	4:50	6	51 lbs	0 lbs	51 lbs
Sub-total			293	14 lbs	279 lbs
4 hr totals			1,163 lbs	51 lbs	1,112 lbs

Any unused sample is put into the bay with the test ash

**Covanta Durham-York  
8 Hour Test Bottom Ash Sampling**

Date: Sep 23/15

	Time (10 min. intervals)	Sample Number	Sample Weight (- 22.7 kg)	Screened Weight	
				+ 50 mm	- 50 mm
Hour 1	9:00 am	1	47 lbs	1 lbs	46 lbs
	9:10	2	48 lbs	1 lbs	47 lbs
	9:20	3	48 lbs	1 lbs	47 lbs
	9:30	4	47 lbs	1 lbs	46 lbs
	9:40	5	47 lbs	1 lbs	46 lbs
	9:50	6	49 lbs	1 lbs	
Sub-total			285 lbs	6 lbs	279 lbs
Hour 2	10:00 am	1	52 lbs	6 lbs	46 lbs
	10:10	2	52 lbs	2 lbs	50 lbs
	10:20	3	50 lbs	5 lbs	45 lbs
	10:30	4	52 lbs	3 lbs	49 lbs
	10:40	5	52 lbs	5 lbs	47 lbs
	10:50	6	52 lbs	2 lbs	50 lbs
Sub-total			310 lbs	23 lbs	287 lbs
Hour 3	11:00 am	1	47 lbs	1 lbs	46 lbs
	11:10	2	47 lbs	1 lbs	46 lbs
	11:20	3	48 lbs	<del>2 lbs</del> 2 lbs	46 lbs
	11:30	4	48 lbs	3 lbs	45 lbs
	11:40	5	46 lbs	1 lbs	47 lbs
	11:50	6	45 lbs	3 lbs	42 lbs
Sub-total			283 lbs	11 lbs	272 lbs
Hour 4	12:00	1	47 lbs	0 lbs	47 lbs
	12:10	2	48 lbs	7 lbs	41 lbs
	12:20	3	48 lbs	5 lbs	43 lbs
	12:30	4	47 lbs	3 lbs	44 lbs
	12:40	5	50 lbs	10 lbs	40 lbs
	12:50	6	48 lbs	6 lbs	42 lbs
Sub-total			288 lbs	31 lbs	257 lbs
4 hr totals			1,166 lbs	71 lbs	1,095 lbs



**Covanta Durham-York  
8 Hour Test Bottom Ash Sampling**

Date: Sept 28/15

Hour	Time (10 min. intervals)	Sample Number	Sample Weight (- 22.7 kg)	Screened Weight	
				+ 50 mm	- 50 mm
Hour 1	1:00 pm	1	<del>47</del> 47	0	47
	1:10 pm	2	<del>48</del> 48	1 lbs	47
	1:20	3	<del>44</del> 44	1 lb	43
	1:30	4	46	0	46
	1:40	5	47	0	47
	1:50	6	47	1 lbs	46
Sub-total			279 lbs.	3 lbs	276 lbs.
Hour 2	2:00 pm	1	47 lbs.	0 lbs.	47 lbs.
	2:10	2	48 lbs.	1 lbs.	47 lbs.
	2:20	3	48 lbs.	2 lbs.	46 lbs.
	2:30	4	50 lbs.	1 lbs.	49 lbs.
	2:40	5	48 lbs.	3 lbs.	45 lbs.
	2:50	6	49 lbs.	2 lbs.	47 lbs.
Sub-total			<del>290</del> 290 lbs.	9 lbs.	<del>289</del> 281 lbs.
Hour 3	3:00 pm	1	48 lbs.	0 lbs.	48 lbs.
	3:10	2	49 lbs.	1 lbs.	48 lbs.
	3:20	3	49 lbs.	2 lbs.	47 lbs.
	3:30	4	49 lbs.	1 lbs.	48 lbs.
	3:40	5	49 lbs.	1 lbs.	48 lbs.
	3:50	6	50 lbs.	0 lbs.	50 lbs.
Sub-total			294 lbs.	5 lbs.	289 lbs.
Hour 4	4:00 pm	1	51 lbs.	0 lbs.	51 lbs.
	4:10	2	50 lbs.	1 lbs.	49 lbs.
	4:20	3	48 lbs.	5 lbs.	43 lbs.
	4:30	4	50 lbs.	1 lbs.	49 lbs.
	4:40	5	51 lbs.	2 lbs.	49 lbs.
	4:50	6	53 lbs.	1 lbs.	
Sub-total			303 lbs.	10 lbs.	293 lbs.
4 hr totals			1,166 lbs.	27 lbs.	1,139 lbs.

**Covanta Durham-York  
8 Hour Test Bottom Ash Sampling**

Date: Sep 29/15

	Time (10 min intervals)	Sample Number	Sample Weight (~ 22.7 kg)	Screened Weight	
				+ 50 mm	- 50 mm
Hour 1	10:00 am	1	48	1	47
	10:10 am	2	47	0	47
	10:20 am	3	46	1	45
	10:30 am	4	47	0	47
	10:40 am	5	46	0	46
	10:50 am	6	48	0	48
Sub-total			282	2	280
Hour 2	11:00 am	1	47 lbs.	3 lbs.	44 lbs.
	11:10 am	2	46	2	44
	11:20 am	3	47	10	37
	11:30 am	4	46	3	43
	11:40 am	5	46	2	44
	N/A*	6	—	—	—
Sub-total			232 lbs.	20 lbs.	212 lbs.
Hour 3	N/A*	1	—	—	—
	12:10 pm	2	46 lbs.	3 lbs.	43 lbs.
	12:20	3	48	0	48
	12:30	4	47	0	47
	12:40	5	47	0	47
	12:50	6	48	1	—
Sub-total			236 lbs.	4 lbs.	232 lbs.
Hour 4	1:00 pm	1	49 lbs.	2 lbs.	47 lbs.
	1:10	2	48	0	48
	1:20	3	45	2	43
	1:30	4	51	4	47
	1:40	5	48	1	47
	1:50	6	47	0	47
Sub-total			288 lbs.	9 lbs.	279 lbs.
4 hr totals			1,038	35 lbs.	1,003 lbs.

\* Samples not taken due to Fire Alarm and evacuation.

Covanta Durham-York  
8 Hour Test Bottom Ash Sampling

Date: Sept 29/15

	Time (10 min. intervals)	Sample Number	Sample Weight (~22.7 kg)	Screened Weight	
				+ 50 mm	- 50 mm
Hour 1	2:00 pm	1	47 lbs.	1 lbs.	46 lbs.
	2:10	2	46	5 lbs.	41
	2:20	3	44	2 lbs.	42
	2:30	4	48	4	44
	2:40	5	47	2	45
	2:50	6	47	1	46
Sub-total			279 lbs.	15 lbs.	264 lbs.
Hour 2	3:00 pm	1	49 lbs	1 lbs	48 lbs
	3:10	2	48 lbs	0	48 lbs
	3:20	3	49 lbs	1 lbs	48 lbs
	3:30	4	49 lbs	1 lbs	48 lbs
	3:40	5	49 lbs	0	49 lbs
	3:50	6	49 lbs	1 lbs	48 lbs
Sub-total			293 lbs.	4 lbs.	289.
Hour 3	4:00 pm	1	48 lbs	3 lbs	45 lbs.
	4:10	2	46 lbs	1 lbs	45
	4:20	3	45 lbs	0	45
	4:30	4	48 lbs	6 lbs	42
	4:40	5	49 lbs	1 lbs	48
	4:50	6	46 lbs	0	46
Sub-total			282 lbs.	11 lbs.	271 lbs.
Hour 4	5:00 pm	1	48 lbs.	16 lbs.	32 lbs.
	5:10	2	47	11 lbs	36 lbs
	5:20	3	47	1 lbs.	46 lbs
	5:30	4	48	4 lbs	44 lbs
	5:40	5	50	1 lbs.	49 lbs
	5:50	6	47	1 lbs.	46 lbs.
Sub-total			287 lbs.	34 lbs.	253 lbs.
4 hr totals			1,141 lbs.	64 lbs.	1,077 lbs.
			1,141 lbs.		

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264  
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32  
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293  
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287  
1141

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**Covanta Durham-York  
8 Hour Test Bottom Ash Sampling**

Date: Sept 30

	Time (10 min. intervals)	Sample Number	Sample Weight (~ 22.7 kg)	Screened Weight	
				+ 50 mm	- 50 mm
Hour 1	9:00 am	1	50 lbs	0	50 lbs
	9:10	2	49 lbs	0	49
	9:20	3	48 lbs	0	48
	9:30	4	49 lbs	0	49
	9:40	5	49 lbs	0	49
	9:50	6	49 lbs	0	49
Sub-total			294 lbs	—	294 lbs
Hour 2	10:00 am	1	50 lbs.	0	50 lbs.
	10:10	2	47	1 lbs	46
	10:20	3	47 lbs	2 lbs	45
	10:30	4	47 lbs	1 lbs	46
	10:40	5	48 lbs	0	48
	10:50	6	45 lbs	1 lbs	44
Sub-total			284 lbs.	5 lbs.	279 lbs
Hour 3	11:00 am	1	47 lbs.	13 lbs.	34 lbs.
	11:10	2	48	3	45
	11:20	3	46	2	44
	11:30	4	52	7	45
	11:40	5	48	2	46
	11:50	6	48	3	45
Sub-total			289 lbs.	28 lbs.	261 lbs
Hour 4	12:00 pm	1	49 lbs	1 lbs	48 lbs
	12:10	2	50 lbs	1 lbs	49
	12:20	3	50 lbs	1 lbs	49
	12:30	4	50 lbs	0	50
	12:40	5	50 lbs	0	50
	12:50	6	50 lbs	0	50
Sub-total			299 lbs	3 lbs.	296 lbs
4 hr totals			1,166 lbs	36 lbs.	1,130 lbs

**Covanta Durham-York  
8 Hour Test Bottom Ash Sampling**

Date: Sept 30/15

	Time (10 min. intervals)	Sample Number	Sample Weight (~ 22.7 kg)	Screened Weight	
				+ 50 mm	- 50 mm
Hour 5	1:00	1	51 lbs	1 lbs	50 lbs
	1:10	2	48 lbs	2 lbs	46
	1:20	3	46 lbs	1 lbs	47
	1:30	4	48 lbs	1 lbs	46
	1:40	5	47 lbs	0 lbs	47
	1:50	6	49 lbs	1 lbs	48
Sub-total			289 lbs.	6 lbs	283 lbs
Hour 6	2:10	1	43 lbs	1 lbs	42 lbs
	2:20	2	41 lbs	0	41
	2:30	3	44 lbs	1 lbs	43 lbs
	2:40	4	43	1 lbs	42 lbs
	2:50	5	42 lbs	0 lbs	42 lbs
	3:00	6	44 lbs	1 lbs	43
Sub-total			253 lbs	4 lbs	253 lbs
Hour 7	3:10	1	43 lbs	1 lb	42 lb
	3:20	2	46 lbs	0	46 lb
	3:30	3	45 lbs	0	45 lb
	3:40	4	45 lbs	0	45 lb
	3:50	5	43 lbs	1 lb	42 lb
	4:00	6	45 lbs	0	45 lb
Sub-total			266 lbs	2 lbs	264 lbs
Hour 8	4:10	1	41 lbs	1 lbs	40 lbs
	4:20	2	42 lbs	1 lbs	41 lbs
	4:30	3	41 lbs	2 lbs	39 lbs
	4:40	4	47 lbs	1 lbs	41 lbs
	4:50	5	47 lbs	1 lbs	46 lbs
	5:00	6	46 lbs	2 lbs	44 lbs
Sub-total			262 lbs	8 lbs	254 lbs
4 hr totals			1,074 lbs	20 lbs	1,054 lbs



**Covanta Durham-York  
8 Hour Test Bottom Ash Sampling**

Date: Oct 1/15

	Time (10 min. intervals)	Sample Number	Sample Weight (~ 22.7 kg)	Screened Weight	
				+ 50 mm	- 50 mm
Hour 1	2:00 pm	1	46 lbs.	1 lbs.	45 lbs.
	2:10	2	48 lbs.	1 lbs.	47 lbs.
	2:20	3	49 lbs.	0 lbs.	49 lbs.
	2:30	4	50 lbs.	0 lbs.	50 lbs.
	2:40	5	47 lbs.	1 lbs.	46 lbs.
	2:50	6	48 lbs.	2 lbs.	44 lbs.
Sub-total			286 lbs.	5 lbs.	281 lbs.
Hour 2	3:00 pm	1	48 lbs.	3 lbs.	45 lbs.
	3:10	2	49 lbs.	1 lbs.	48
	3:20	3	52 lbs.	0 lbs.	52
	3:30	4	50 lbs.	1 lbs.	49
	3:40	5	49 lbs.	3 lbs.	46
	3:50	6	47 lbs.	2 lbs.	45
Sub-total			295 lbs.	10 lbs.	285 lbs.
Hour 3	4:00 pm	1	51 lbs.	0 lbs.	51 lbs.
	4:10	2	50 lbs.	0 lbs.	50 lbs.
	4:20	3	50 lbs.	0 lbs.	50 lbs.
	4:30	4	49 lbs.	1 lb.	48 lbs.
	4:40	5	51 lbs.	0 lbs.	51 lbs.
	4:50	6	50 lbs.	0 lbs.	50 lbs.
Sub-total			301 lbs.	1 lbs.	300 lbs.
Hour 4	5:00 pm	1	49 lbs.	5 lbs.	45 lbs.
	5:10	2	51	3	48 lbs.
	5:20	3	51	7	44 lbs.
	5:30	4	50	2	48 lbs.
	5:40	5	48	4	44 lbs.
	5:50	6	51	1	50 lbs.
Sub-total			300 lbs.	22 lbs.	278 lbs.
4 hr totals			1,182	38 lbs.	1,144 lbs.

**Covanta Durham-York  
8 Hour Test Bottom Ash Sampling**

Date: Oct 1/15

	Time (10 min. intervals)	Sample Number	Sample Weight (- 22.7 kg)	Screened Weight	
				+ 50 mm	- 50 mm
Hour 1	10 am	1	48 lbs	4 lbs	44 lbs
	10:10 am	2	46 lbs	4 lbs	42
	10:20 am	3	47 lbs	0 lbs	47
	10:30 am	4	48 lbs	4 lbs	44
	10:40 am	5	47 lbs	2 lbs	45
	10:50 am	6	45 lbs	3 lbs	42
Sub-total			281 lbs	17 lbs	264 lbs
Hour 2	11:00 am	1	43 lbs	0	43 lbs
	11:10 am	2	48 lbs	0	48
	11:20 am	3	43 lbs	2 lbs	41
	11:30 am	4	44 lbs	0	44
	11:40 am	5	43 lbs	4 lbs	39
	11:50 am	6	43 lbs	3 lbs	40
Sub-total			264 lbs	7 lbs	257 lbs
Hour 3	12:00 pm	1	46 lbs	1 lbs	45 lbs
	12:10	2	49 lbs	1 lbs	48 lbs
	12:20	3	48 lbs	1 lbs	47 lbs
	12:30	4	48 lbs	1 lbs	47 lbs
	12:40	5	49 lbs	0 lbs	49 lbs
	12:50	6	49 lbs	0 lbs	49 lbs
Sub-total			289 lbs	4 lbs	285 lbs
Hour 4	1:00 pm	1	48 lbs	0	48 lbs
	1:10 pm	2	48 lbs	2 lbs	46
	1:20	3	46 lbs	2 lbs	44
	1:30	4	47 lbs	4 lbs	43
	1:40	5	49 lbs	4 lbs	45
	1:50	6	45 lbs	6 lbs	39
Sub-total			283 lbs	18 lbs	265 lbs
4 hr totals			1,117 lbs	46 lbs	1,071 lbs