



RECYCLING

## NEATH PORT TALBOT (RECYCLING) LTD

Material Recovery & Energy Centre  
Crymlyn Burrows, Swansea SA1 8PZ  
Telephone 01792 641901  
Fax: 01792 465188

Karen Dunn  
PIR Regulatory Officer  
Environment Agency Wales  
Maes Newydd  
Llandarcy  
Neath Port Talbot  
SA10 6JQ

15<sup>th</sup> December 2014

Dear Karen,

**Permit Number: BJ5775IF**

**Re: Emissions Monitoring For November 2014**

In accordance with the permit BJ5775IF please find enclosed the following monitoring results for the month of November 2014.

- Water monitoring results, form S3/W1
- Water monitoring results, form S3/S1
- VOC emissions for emission point A1, form S3/AIR1
- HCL emissions for emission point A1, form S3/AIR1
- SOx emissions for emission point A1, form S3/AIR1
- NOx emissions for emission point A1, form S3/AIR1
- CO emissions for emission point A1, form S3/AIR1
- NH3 emissions for emission point A1, form S3/AIR1
- Particulate emissions for emission point A1, form S3/AIR1
- Period of abnormal operations, form S3/O2
- Monthly Waste Input/Output, form S3/R2
- Form Number: BJ5775 – Ash 1

Emission point A2 is not connected to any plant equipment; please accept this letter in place of all parameters regarding A2.

As highlighted the Waste to Energy Plant has been mothballed for the short/medium term and a NIL result has been posted for all emissions to air.

If you require any further information, please do not hesitate to contact me.

Yours sincerely

  
Kevin Stewart  
Health & Safety Manager  
Neath Port Talbot (Recycling) Ltd

Neath Port Talbot (Recycling) LTD  
Crymlyn Burrows Swansea SA1 8PZ  
Company Number 3528745

ISO 9001  
BUREAU VERITAS  
Certification



Registered in England & Wales  
No: 359 5980  
VAT Reg. No: 761 4840 26

ISO 14001  
BUREAU VERITAS  
Certification



The company is controlled by  
Neath Port Talbot  
County Borough Council

OHSAS 18001  
BUREAU VERITAS  
Certification





**NEATH PORT TALBOT  
(RECYCLING) LTD**

Material Recovery & Energy Centre  
Crymlyn Burrows, SWANSEA, SA1 8PZ  
TELEPHONE 01792 641901  
FAX 01792 465188

Release Point W1			
Week Ending	Oil and Grease (Visual Check)	Suspended solids (mg/l)	Ph
13/11/2014	Not test carried out due to maintenance on W1		
13/11/2014	None Apparent	34mg/l	6.80
20/11/2014	None Apparent	30mg/l	7.00
27/11/2014	None Apparent	40mg/l	7.10

Signed on behalf of the operator:

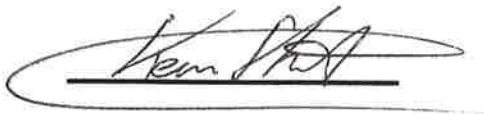
Date:

15th December 2014

Release Point S1			
Week	Total suspended solids (limit = 500mg/l) [mg/l]	Total Petroleum Hydrocarbons (Limit = 100mg/l)	Total sulphate (Limit = 1g/l) [mg/l]
11/11/2014	82mg/l	<1mg/l	63mg/l
Week	COD (limit = 1000mg/l) @ daily flow of 20m3	Total sulphite (expressed as SO3) (Limit = 50 mg/l)	Total sulphide (Limit = 3mg/l)
11/11/2014	178mg/l	<1mg/l	<1mg/l

Week	pH [ Range = 6.0 to 10.0]		Temp. [C] [Limit = 40C]		Flow Rate [l/s] [Limit = 1.5]		Daily Flow [m3] [Daily Limit = 20m3]
	Max	Min	max	min	Max	Min	
13/11/2014	8.80	6.89	17.4	16.5	1.5	1	5
20/11/2014	8.67	7.01	18.9	18.2	1.5	1	5
27/11/2014	8.77	7.94	15.4	14.5	1.5	1	5

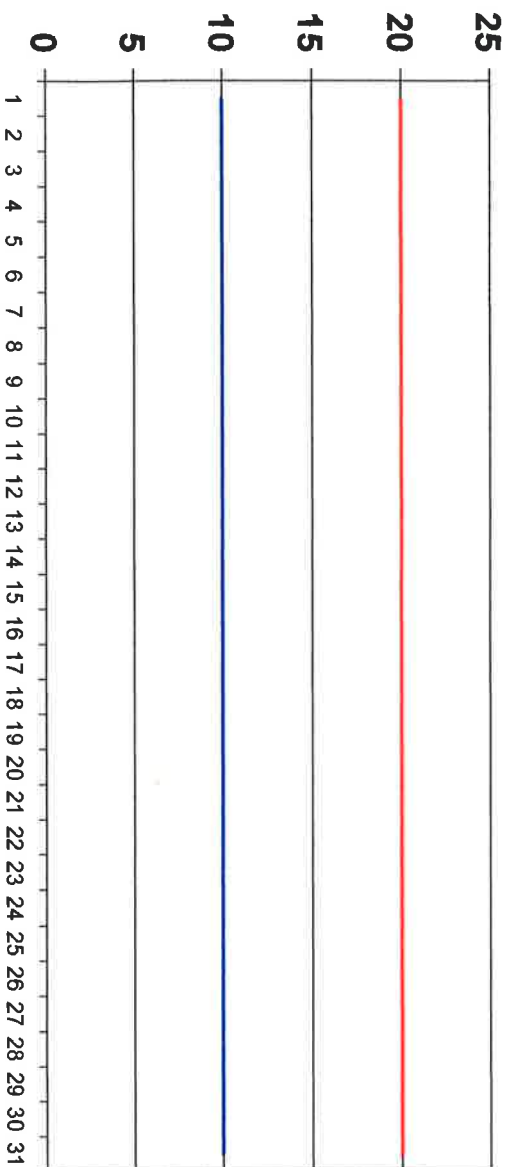
Signed on behalf of the operator:



Date:

15th December 2014

Reporting of Continuously Monitored Emissions to Air for VOC Emissions Point A1 for the Month of November 2014



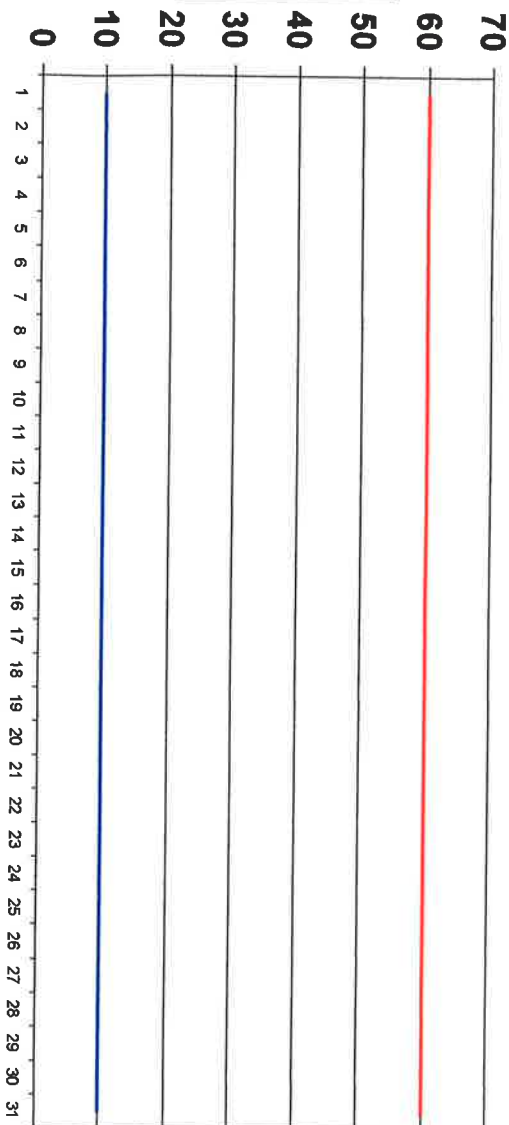
Half-hourly average	Monthly summary	Date	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
		Half-hour average ELV	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	
	Monthly Maximum	Maximum half hourly average																															
	Monthly mean	#DIV/0!																															
		Mean half hourly average																															
	Monthly minimum	0																															
		Minimum half hourly average																															
	Total invalid results	0																															
		No of half hourly results																															
		No of invalid results																															
	Sum of Exceedances	0																															
	Daily average ELV	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	0	0	10	10	10	10	10	10	10	10	10	
Daily average	Monthly Maximum	0																															
	No of invalid days	Value Valid?	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	0	0	Y	Y	Y	Y	Y	Y	Y	Y	Y	
		Value Exceeds ELV?	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	
	Sum of Exceedances																																

Signed

Date

15/12/2014

Reporting of Continuously Monitored Emissions to Air for Hydrogen Chloride Emissions Point A1 for the Month of November 2014



Maximum Half hourly average  
Minimum half hourly average  
Daily Average ELV  
1/2 Hourly Average ELV  
Mean Half hourly average  
Daily Average

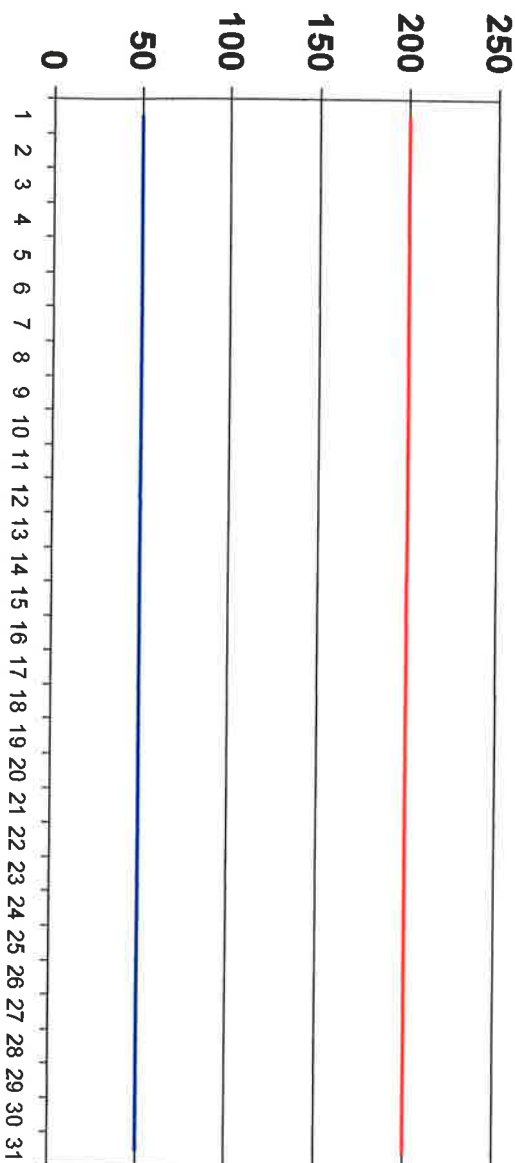
Monthly summary		Date																														
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Half-hourly average	Monthly Maximum	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60
	Monthly mean	#DIV/0!																														
	Monthly minimum	0																														
	Total invalid results	0																														
		No of invalid results																														
	Sum of Exceedances	0																														
Daily average																																
	Monthly Maximum	0																														
	No of Invalid days	#DIV/0!																														
	Sum of Exceedances	Value Exceeds ELV?	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
		#DIV/0!																														

Signed

Date

15/12/2014

Reporting of Continuously Monitored Emissions to Air for Sulphur Dioxide Emissions Point A1 for the Month of November 2014



	Monthly summary																															Date	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
	Monthly Maximum																																																														
	Monthly mean																																																														
	#DIV/0!																																																														
	Monthly minimum																																																														
	0 Minimum half hourly average																																																														
	Total invalid results																																																														
	0 No of half hourly results																																																														
	No of invalid results																																																														
	Sum of Exceedances																																																														
	0 No of exceedances																																																														
	Daily average ELV																																																														
	50																																																														
	50																																																														
	50																																																														
	50																																																														
	50																																																														
	50																																																														
	50																																																														
	50																																																														
	50																																																														
	50																																																														
	50																																																														
	50																																																														
	50																																																														
	50																																																														
	50																																																														
	50																																																														

Signed

Date

15/12/2014



Permit Reference Number: BLS7751F

Operator:

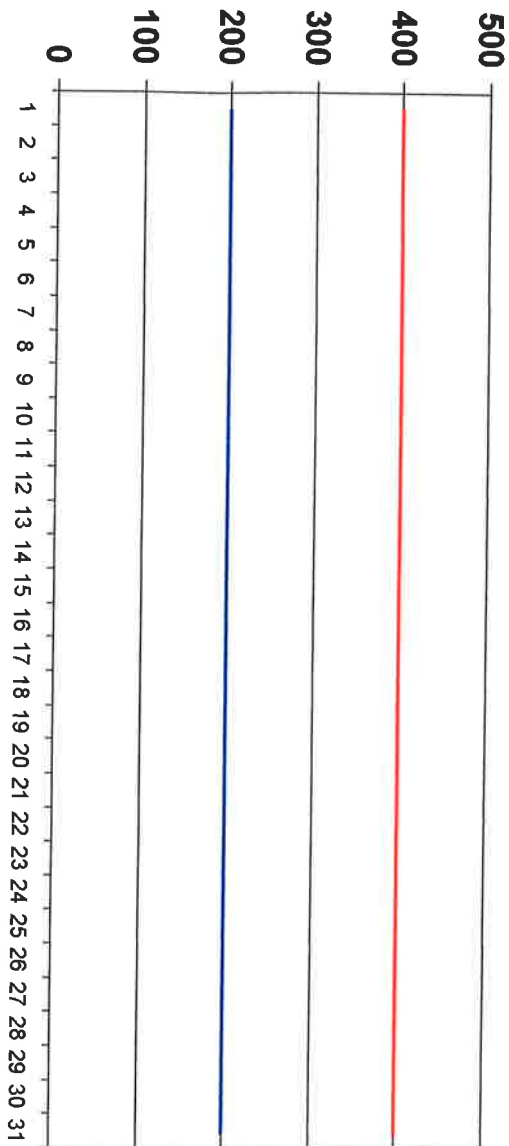
Neath Port Talbot (Recycling) Ltd

Installation: Material Recovery and Energy Centre

Form No:

Agency Form BLS751A3 Form Dated 05/12/05

Reporting of Continuously Monitored Emissions to Air for Oxides of Nitrogen Emissions Point A1 for the Month of November 2014



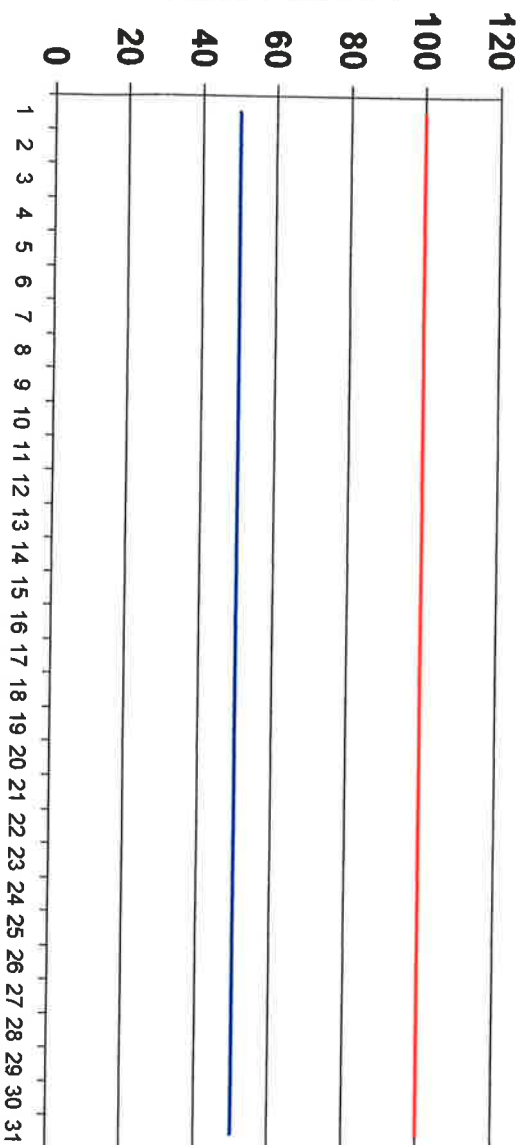
	Monthly summary										Date																													
											1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
Half-hourly average		Half-hour average ELV																																						
		0																																						
	Monthly Maximum																																							
	Monthly mean	#DIV/0!	Mean half hourly average																																					
	Monthly minimum	0	Minimum half hourly average																																					
	Total invalid results	No of half hourly results																																						
		No of invalid results																																						
	Sum of Exceedances	0																																						
		No of exceedances																																						
Daily average		Daily average ELV																																						
	Monthly Maximum	0	Daily average																																					
	No of Invalid days		Value Valid?																																					
	Sum of Exceedances		Value Exceeds ELV?																																					
		#DIV/0!	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N		

Signed

Date

15/12/2014

Reporting of Continuously Monitored Emissions to Air for Carbon Monoxide Emissions Point A1 for the Month of November 2014



	Monthly summary																															Date	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31

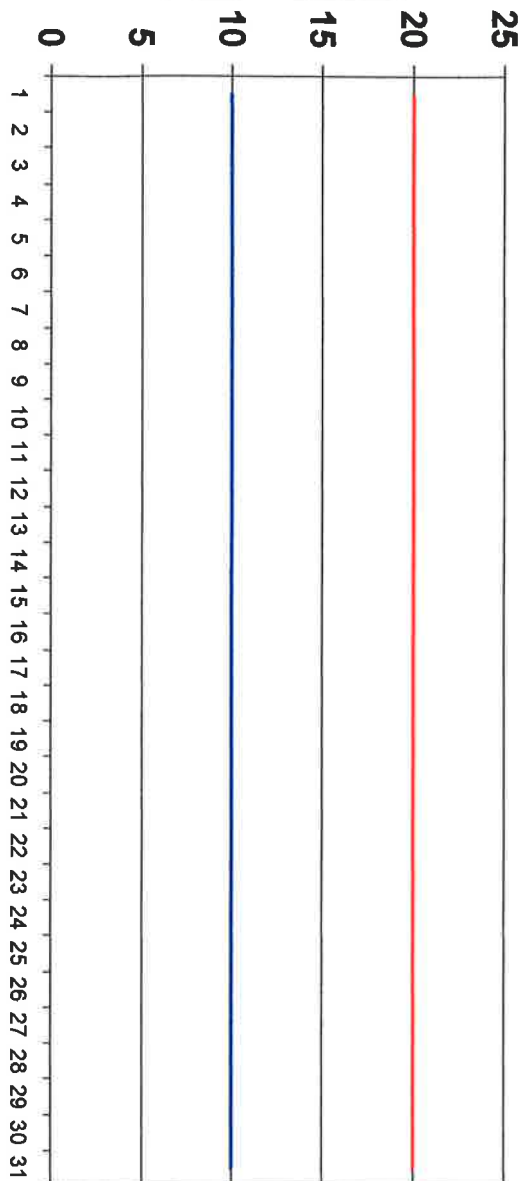
Signed

Date

15/12/2014



Reporting of Continuously Monitored Emissions to Air for Ammonia Emissions Point A1 for the Month of November 2014



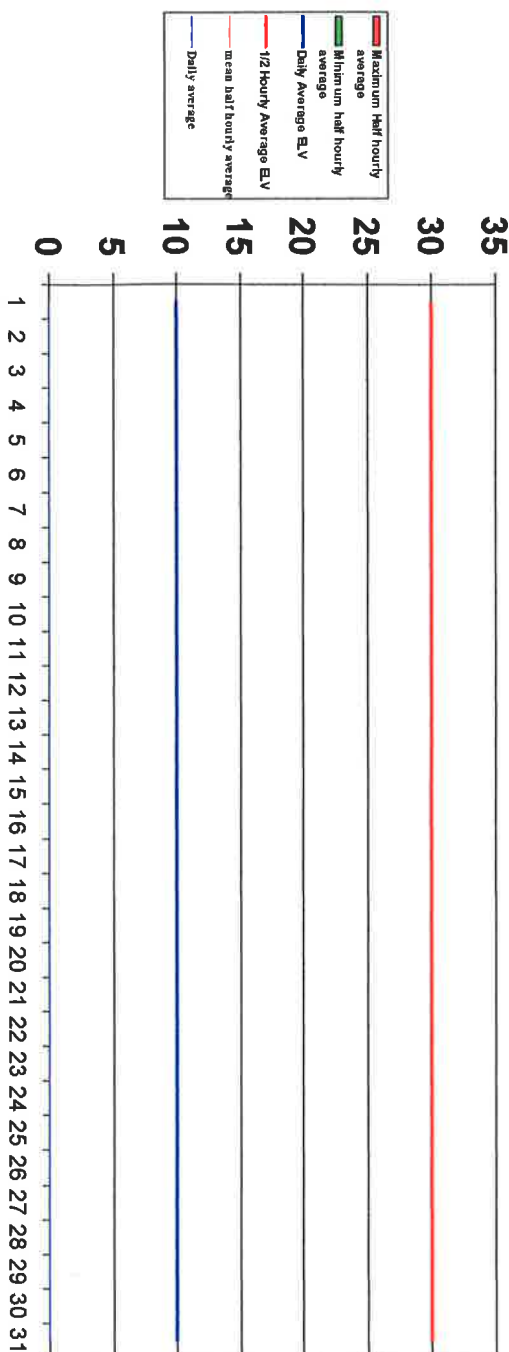
Maximum Half hourly average  
 Minimum half hourly average  
 Daily Average E.V  
 1/2 Hourly Average E.V  
 mean half hourly average  
 Daily average

	Monthly summary	Date	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
		half-hour average ELV	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	
Half-hourly average	Monthly Maximum	0																															
	Monthly mean	#DIV/0!																															
	Monthly minimum	0																															
	Total invalid results	0																															
		No of half hourly results																															
		No of invalid results																															
	Sum of Exceedances:	0																															
		Daily average ELV	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	0	0	10	10	10	10	10	10	10	10	10	
	Monthly Maximum	0																															
Daily average	No of invalid days	Value Valid?	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		
	Sum of Exceedances	Value Exceeds ELV?	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	

Signed *Tom Hirst*

Date 15/12/2014

## Reporting of Continuously Monitored Emissions to Air for Particulates Emissions Point A1 for the Month of November 2014



	Date																														
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Monthly summary																															
	Half-hour average ELV																														
Monthly Maximum	0	Maximum half hourly average																													
Monthly mean	0	Mean half hourly average																													
Monthly minimum	0	Minimum half hourly average																													
Total invalid results	0	No of half hourly results																													
	No of invalid results																														
Sum of Exceedances	0	No of exceedances																													
	Daily average ELV																														
Monthly Maximum	0	Daily average																													
No of Invalid days	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
Value Exceeds ELV?	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Sum of Exceedances																															

Signed

Date

15/12/2014

## OPERATIONAL INFORMATION

## REPORTING OF MONITORING DATA

## ABNORMAL OPERATION SUMMARY FOR THE MONTH – November 2014


Operator: Neath Port Talbot (Recycling) LtdLocation: Materials Recovery & Energy Centre, Crymlyn Burrows, Swansea, SA1 8PZPermit Number: BJ5775IF

Table S3/O2: Abnormal Operation

## Emissions to Air: Exceedance Periods

Date	Hours	Cumulative hours to date (60 hours maximum per calendar year)	Comments
Jan 14	Zero	Zero	Total up to and including January 2014
Feb 14	Zero	Zero	Total up to and including February 2014
Mar 14	Zero	Zero	Total up to and including March 2014
April 14	Zero	Zero	Total up to and including April 2014
May 14	Zero	Zero	Total up to and including May 2014
June 14	Zero	Zero	Total up to and including June 2014
July 14	Zero	Zero	Total up to and including July 2014
Aug 14	Zero	Zero	Total up to and including August 2014
Sep 14	Zero	Zero	Total up to and including September 2014
Oct 14	Zero	Zero	Total up to and including October 2014
Nov 14	Zero	Zero	Total up to and including November 2014

Signed on behalf of the Operator


Dated: 15<sup>th</sup> December 2014

Operator: Neath Port Talbot (Recycling) Ltd  
Permit Number: BL67751F

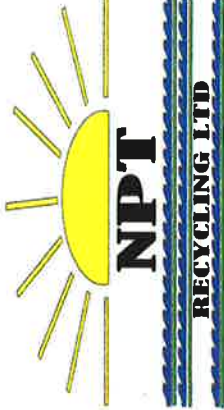
Location: Materials Recovery & Energy Centre, Cynffyn Burrows, Swansea SA1 8PZ  
Monthly Waste Input/Output Return

Waste Input/Output Returns For the Year 1st January 2014 to 31st December 2014

	Jan-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14	Oct-14	Nov-14	Dec-14	Annual Total
<b>Waste Received (tonnes)</b>													
NPT Refuse collection	3,062.96	2,423.76	2,570.86	2,657.72	2,666.80	2,490.46	2,517.92	2,296.62	2,401.42	2,440.12	2,212.92		27,731.58
NPT Probation Services	3.88	2.16	3.60	5.74	1.90	3.56	7.38	3.44	4.10	3.94	4.12		47.72
NPT Grounds Maintenance	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00
NPT Cleansing dept	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00
NPT Street Cleansing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00
NPT CA Sites	65.24	21.98	25.90	19.46	48.94	31.22	46.50	47.22	54.80	54.40	51.64		467.22
NPT kerbside collections	1,505.28	1,167.96	1,444.24	1,841.52	2,018.60	2,004.42	2,085.10	1,772.45	1,870.76	1,473.84			16,682.94
NPT recycling Banks collections	0.00	10.74	2.94	3.22	5.30	0.28	0.00	6.20	1.54	0.00	0.00		34.72
NPT Gully Suckers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00
Carillion Recycling	140.18	182.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		322.72
Dorwent Plant Trial Load	0.00	0.00	0.00	7.72	0.00	0.00	0.00	0.00	0.00	0.00	0.00		7.72
AJ Recycling	61.60	48.38	0.00	66.08	24.30	63.66	44.66	0.00	0.00	0.00	0.00		307.68
LAS Black Bag Waste	0.00	0.00	0.00	0.00	0.00	0.00	0.00	23.74	387.56	411.60	219.96		1,022.86
Biffa Commercial Waste	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00
Peters Pies	24.14	34.10	34.58	32.96	32.78	28.92	37.60	44.38	21.28	21.42	34.70		346.86
Bridgend Refuse collection	2,282.28	1,753.66	1,841.12	1,912.88	1,913.76	1,788.06	1,889.94	1,760.54	1,833.72	1,945.06	1,821.72		20,721.84
Bridgend Civic Amenity	379.24	283.12	338.32	374.80	366.28	381.42	386.76	335.42	337.76	286.98	269.54		3,728.54
EPS Baling Material (Fuel Prep)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00
AJ Recycling MSW	0.00	0.00	884.74	871.38	978.66	889.64	960.22	806.56	614.20	413.36	234.64		6,802.40
NPT Waste Solutions	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17.54	0.00		17.54
										0.00	0.00		0.00
										0.00	0.00		0.00
										0.00	0.00		0.00
<b>Total Received</b>	<b>7,494.90</b>	<b>6,516.40</b>	<b>7,128.20</b>	<b>7,758.48</b>	<b>8,687.22</b>	<b>7,681.64</b>	<b>7,877.18</b>	<b>7,085.58</b>	<b>7,507.14</b>	<b>7,309.85</b>	<b>6,513.10</b>	<b>0.00</b>	<b>80,247.70</b>
<b>Recyclate Sales</b>													
Non Ferrous Cans (NPT) MSW Line													1.72
Ferrous Cans (NPT) MSW Line													3.54
Non Ferrous Metals (BR&NPT & BG)	18.96	0.00	0.00	0.00	10.92	7.46	0.00	0.00	0.00	0.00	0.00		38.60
Ferrous Residual	458.76	238.08	316.72	270.16	359.30	288.54	311.24	22.12	18.78	0.00	20.36		3,007.82
Hinckley Dried Bales	1,246.72	1,163.84	882.00	1,130.80	880.04	2,128.76	1,579.28	982.88	637.68	308.58	828.76		11,346.10
TEXTILES	30.18	29.14	29.54	27.96	27.96	6.90	24.36	19.06	14.28	27.78	22.66		248.56
Paper(NPT)	281.70	190.88	116.92	136.96	131.82	166.24	112.78	0.00	0.00	26.08	27.52		1,458.90
Gen Ferrous scrap	0.00	0.00	9.92	45.88	6.38	0.00	0.00	10.02	10.08	9.98	6.12		98.08
Mixed Glass & Cans	468.42	246.74	307.90	323.56	279.10	313.60	161.42	456.54	318.56	366.68	277.32		3,618.74
Plastics (NPT Kerbside)	140.20	104.60	114.80	68.94	66.16	98.60	190.06	118.50	92.48	132.90	111.56		1,238.80
FOOD WASTE	436.20	315.50	317.96	324.18	371.66	330.32	363.00	321.22	356.80	430.22	364.18		3,821.54
Dirt Fuel Demex	1,253.22	510.80	3,230.36	2,889.60	2,979.86	1,287.94	1,480.94	2,199.34	2,618.24	1,642.18	674.16		20,676.64
Cardboard	397.88	254.78	289.30	329.70	276.04	277.02	416.72	407.40	374.66	532.50	220.46		3,178.46
Cans-Plastic Mix (NPT)													170.80
Green waste(NPT)	62.18	41.16	294.34	680.98	802.24	949.66	703.70	500.08	708.82	344.68	242.64		5,230.48
LA Farge	0.00	0.00	0.00	0.00	0.00	0.00	1.88	9.34	385.70	945.04	756.84		2,067.88
NPT Kerbside Glass	0.00	0.00	0.00	0.00	13.44	0.00	0.00	0.00	0.00	0.00	0.00		11.22
Glass from MSW line	4,179.42	3,085.92	5,652.92	6,100.00	5,212.18	5,384.04	5,345.16	5,335.54	5,619.85	4,287.66	3,828.40	0.00	56,886.32
<b>Total Recycle Sales (tonnes)</b>	<b>4,179.42</b>	<b>3,085.92</b>	<b>5,652.92</b>	<b>6,100.00</b>	<b>5,212.18</b>	<b>5,384.04</b>	<b>5,345.16</b>	<b>5,335.54</b>	<b>5,619.85</b>	<b>4,287.66</b>	<b>3,828.40</b>	<b>0.00</b>	<b>56,886.32</b>
<b>Fly ash For Treatment</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
<b>Waste to landfill</b>													
Process Rejects	157.82	62.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		220.24
65mm dry Dirt	0.00	0.00	0.00	0.00	0.00	0.00	94.62	0.00	0.00	0.00	0.00		94.62
Pellet Rejects	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00
Organic Rejects	430.10	396.72	446.18	574.88	591.82	620.30	604.68	644.54	801.54	839.10	472.08		6,421.82
Dog household Waste	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00
Bottom Ash Sent to landfill	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00
<b>Total Waste to landfill</b>	<b>587.92</b>	<b>459.14</b>	<b>446.18</b>	<b>574.88</b>	<b>591.82</b>	<b>620.30</b>	<b>659.30</b>	<b>644.54</b>	<b>801.54</b>	<b>839.10</b>	<b>472.08</b>	<b>0.00</b>	<b>6,726.78</b>
<b>Dirt Incinerated</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
<b>Monthly Diversion %</b>	<b>92.16%</b>	<b>92.24%</b>	<b>93.74%</b>	<b>92.63%</b>	<b>92.65%</b>	<b>91.90%</b>	<b>91.23%</b>	<b>90.90%</b>	<b>89.32%</b>	<b>88.52%</b>	<b>92.62%</b>	<b>#DIV/0!</b>	<b>91.61%</b>

15/12/2014  
*[Signature]*





# NEATH PORT TALBOT (RECYCLING) LTD

Material Recovery & Energy Centre  
Crymlyn Burrows, SWANSEA, SA1 8PZ  
TELEPHONE 01792 641901  
FAX 01792 465188

**RECYCLING LTD**

Form Number: BJ5775 – Ash 1

Reporting of Ash Composition for the Period from November 1<sup>st</sup> 2014 to November 30<sup>th</sup> 2014 – No Bottom Ash was produced – **Nil Result**

Ash Composition TOC & LOI:				
	TOC (%)	Limit (%)	LOI (%)	Limit (%)
Bottom Ash (Line 1 – incinerators 1 & 2 combined)		3		5
Bottom Ash (Line 2 – incinerators 1 & 2 combined)		3		5

## Ash Composition (Metals, Dioxins, etc)

	Sb %	Cd %	Tl %	Hg %	Pb %	Cr %	Cu %	Mn %	Ni %	As %	Co %	V %	Zn %	Dioxin I-TEQ ng/kg	DIOXIN LIKE PCBs		
															WHO – TEQ ng/kg		
															Humans/ mammals	Birds	Fish
Bottom Ash – Line 1 (Incinerators 1 & 2 combined)																	
APC residues – Line 1 (Incinerators 1 & 2 combined)																	

Name: Kevin Stewart

Signed: 

Date: 15<sup>th</sup> December 2014

On behalf of Neath Port Talbot (Recycling) Ltd