



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

17<sup>th</sup> November 2014

Dear Karen,

**Permit Number: BJ5775IF**  
**Re: Emissions Monitoring For October 2014**

In accordance with the permit BJ5775IF please find enclosed the following monitoring results for the month of October 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



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



The company is controlled by  
Neath Port Talbot  
County Borough Council





**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
03/10/2014	None Apparent	20mg/l	6.90
09/10/2014	None Apparent	10mg/l	7.00
16/10/2014	None Apparent	33mg/l	7.20
23/10/2014	None Apparent	26mg/l	6.80
30/10/2014	None Apparent	84mg/l	6.90

Signed on behalf of the operator:

Date:

17th November 2014



**NEATH PORT TALBOT  
(RECYCLING) LTD**

Material Recovery & Energy Centre  
Crymlyn Burrows, SWANSEA, SA1 8PZ  
TELEPHONE 01792 641901  
FAX 01792 485186

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]
03/10/2014	18mg/l	<1mg/l	41mg/l
Week	COD (limit = 1000mg/l) @ daily flow of 20m3	Total sulphite (expressed as SO3) (Limit = 50 mg/l)	Total sulphide (Limit = 3mg/l)
03/10/2014	2mg/l	<1mg/l	<1mg/l

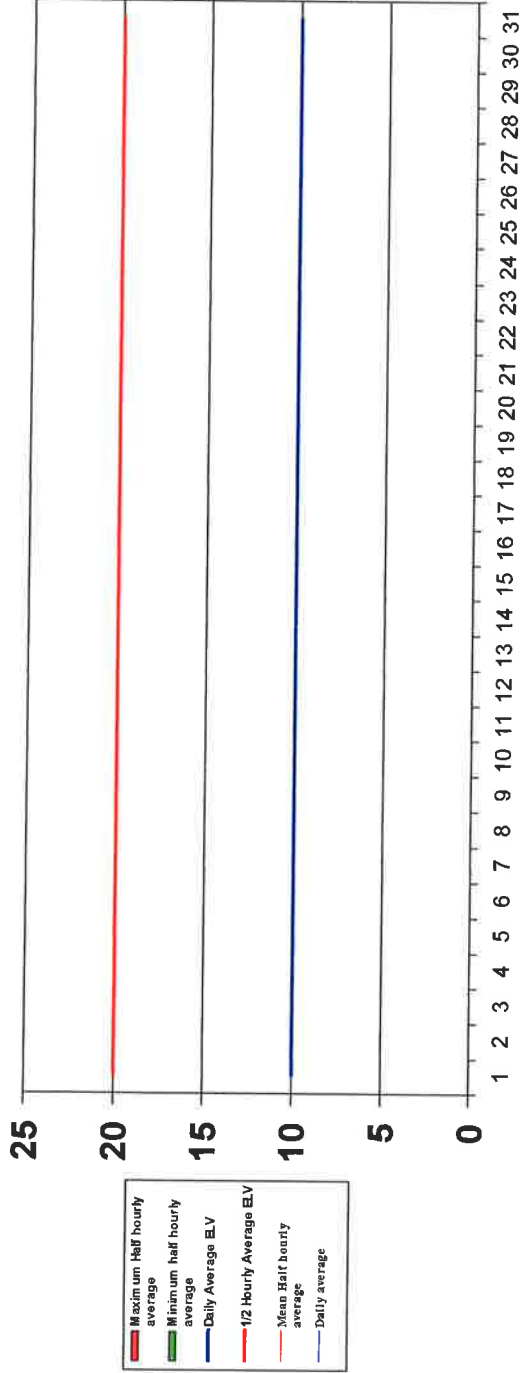
Week	pH [ Range = 6.0 to 10.0]		Temp. [C] [Limit = 40C]		Flow Rate [l/s] [Limit = 1.5]		Daily Flow [m3] [Daily Limit = 20m3]
	Max	Min	max	min	Max	Min	
03/10/2014	8.61	6.87	20.9	21.2	1.5	1	5
09/10/2014	8.75	8.49	19.9	19.1	1.5	1	5
16/10/2014	8.13	7.36	20.2	19.2	1.5	1	5
23/10/2014	8.66	6.71	20.0	17.1	1.5	1	5
30/10/2014	8.39	6.42	21.8	19.2	1.5	1	5

Signed on behalf of the operator:

Date:

17th November 2014

**Reporting of Continuously Monitored Emissions to Air for VOC Emissions Point A1 for the Month of October 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
Half-hourly average	Monthly Maximum		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	20
	Monthly mean	0																															
	#DIV/0!																																
	Monthly minimum	0																															
	Total Invalid results	0																															
	Sum of Exceedances																																
Daily average	Monthly Maximum		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	10
	Daily average	0																															
	No of Invalid days		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	Y
	Sum of Exceedances		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

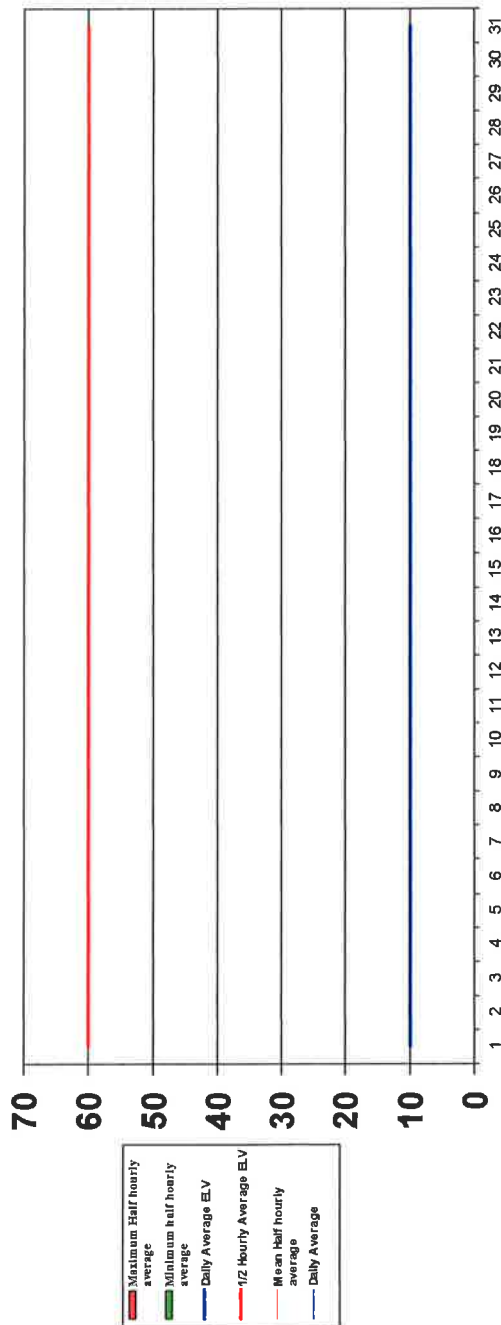
Signed

*[Signature]*

Date

17/11/2014

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

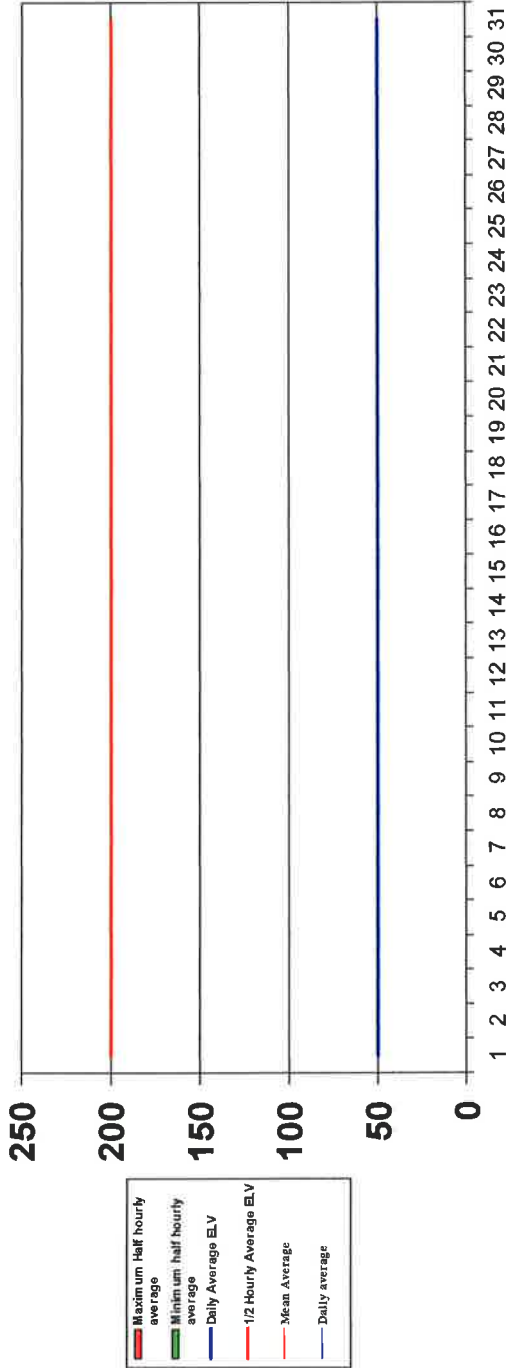
[illegible]

Signed \_\_\_\_\_

Date \_\_\_\_\_

17/11/2014

Reporting of Continuously Monitored Emissions to Air for Sulphur Dioxide Emissions Point A1 for the Month of October 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
Half-hourly average		Half-Hour average ELV	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	
	Monthly Maximum	0																															
	Monthly mean	#DIV/0!																															
	Monthly minimum	0																															
	Total Invalid results	0																															
		No of half hourly results																															
Daily average		No of invalid results																															
		No of exceedances																															
		Daily average ELV	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	
	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	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	N

Signed:  Date: 17/11/2014



Permit Reference Number: **BJ57751F**

Operator:

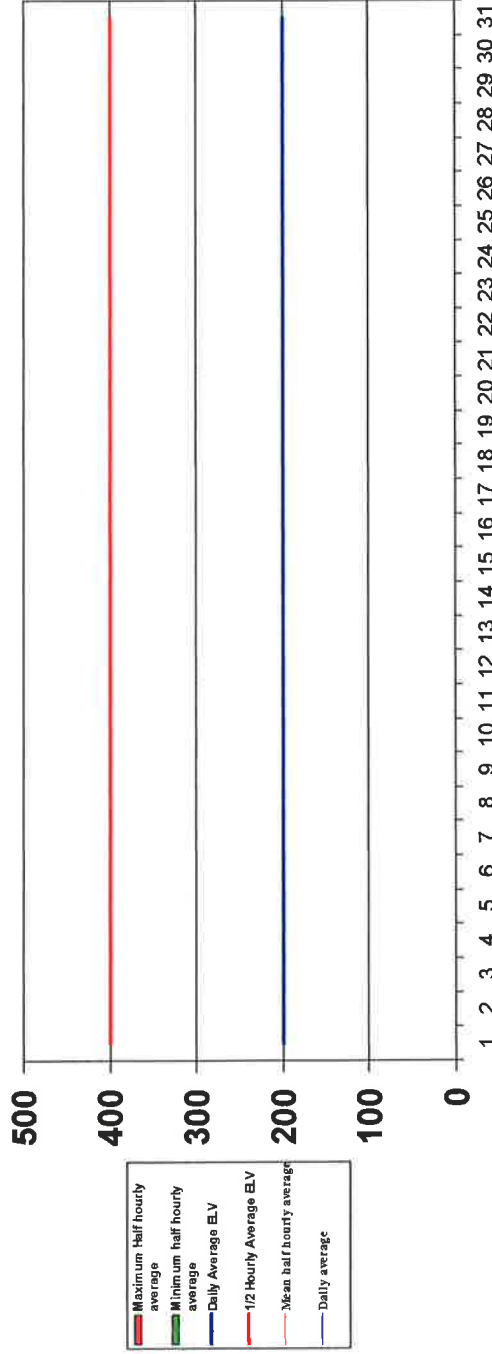
Neath Port Talbot (Recycling) Ltd

Installation: **Material Recovery and Energy Centre**

Form No:

Agency Form BJ5575/A3/Form Dated 08/12/05

**Reporting of Continuously Monitored Emissions to Air for Oxides of Nitrogen Emissions Point A1 for the Month of October 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
Half-hourly average		Half-Hour average ELV	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400
	Monthly Maximum	0																															
	Monthly mean	#DIV/0!																															
	Monthly minimum	0																															
	Total Invalid results	No of half hourly results																															
		No of Invalid results																															
Daily average	Sum of Exceedances	0																															
		Daily average ELV	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200
	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	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	

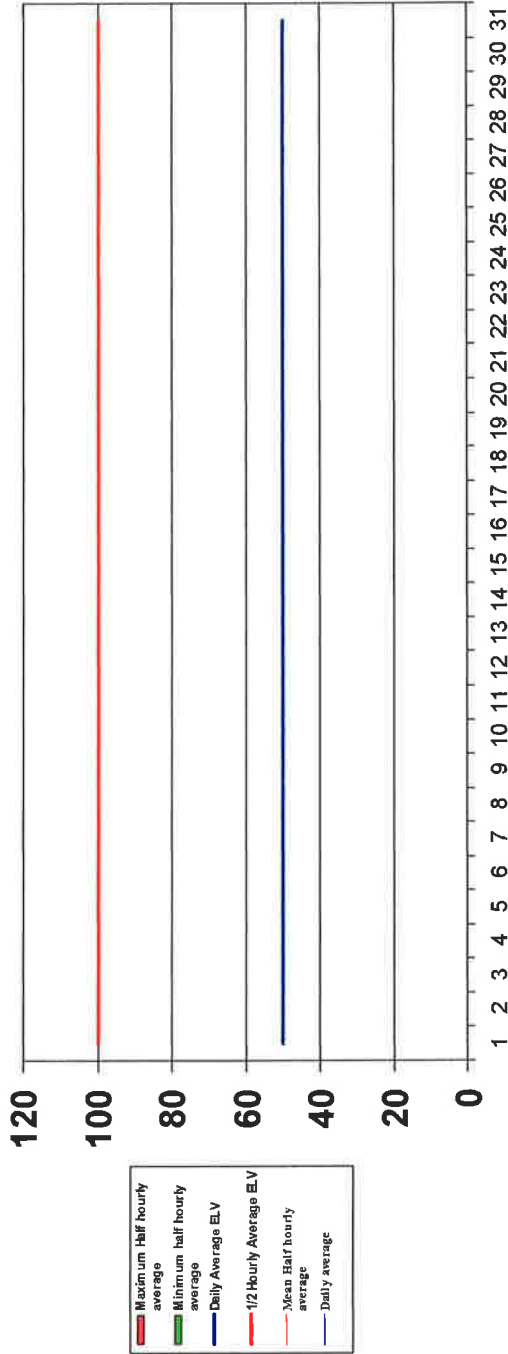
Signed

*Keon*

Date

17/11/2014

Reporting of Continuously Monitored Emissions to Air for Carbon Monoxide Emissions Point A1 for the Month of October 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
			100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Half-hourly average	Monthly Maximum	0																															
	Monthly mean	#DIV/0!																															
	Monthly minimum	0																															
	Total Invalid results	0																															
	No of Invalid results																																
Daily average	Sum of Exceedances	0																															
	Daily average ELV	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	
	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	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	N

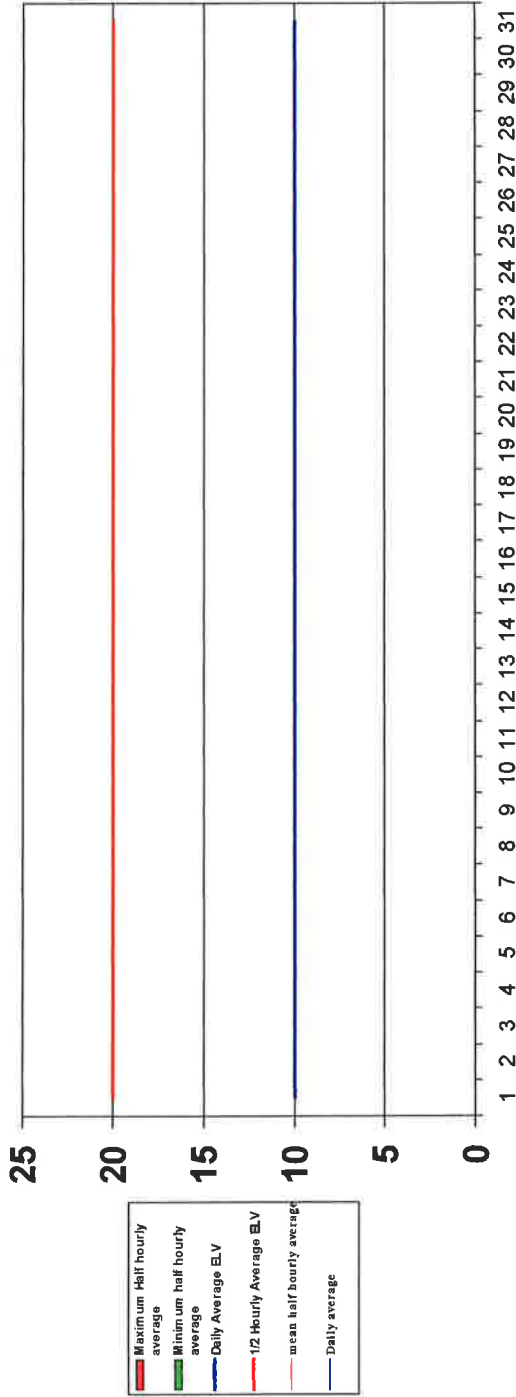
Signed

Date

17/11/2014



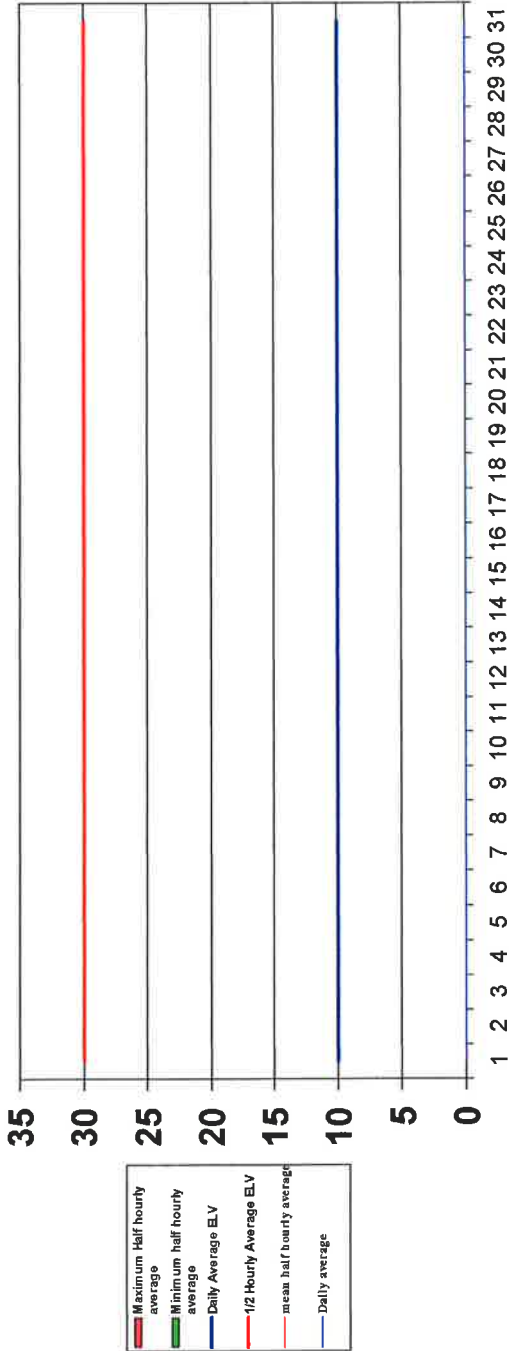
Reporting of Continuously Monitored Emissions to Air for Ammonia Emissions Point A1 for the Month of October 2014



	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
Half-hourly average		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	20
	Monthly Maximum	0 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																															
Daily average		No of Invalid results																															
		0 No of exceedances																															
		Daily average ELV	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	0	10	10	10	10	10	10	10	10	10	10
	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	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
	Sum of Exceedances	Value Exceeds EL V?	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: *Heam* Date: 17/11/2014

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



	Monthly summary		Date																																
		Half-Hour average ELV		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	0																																	
	Monthly mean	0																																	
	Monthly minimum	0																																	
	Total invalid results	0																																	
	No of half hourly results																																		
Daily average	Sum of Exceedances	0																																	
	Monthly Maximum	0																																	
	No of invalid days																																		
	Value Valid?																																		
	Sum of Exceedances																																		

#DIV/0!

Signed

*Kern Ash*

Date

17/11/2014

## OPERATIONAL INFORMATION

## REPORTING OF MONITORING DATA

## ABNORMAL OPERATION SUMMARY FOR THE MONTH – October 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

Signed on behalf of the Operator: ..... Dated: 17<sup>th</sup> November 2014

**Location:** Materials Recovery & Energy Centre, Cymyllyn Burrows, Swansea SA1 8PZ

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
Waste Received (tonnes)													
NPT Refuse collection	3,052.96	2,423.76	2,570.86	2,657.72	2,666.80	2,430.46	2,517.92	2,296.62	2,401.42	2,440.12			26,518.64
NPT Probation Services	3.88	2.16	3.50	9.74	1.90	3.56	7.38	3.44	4.10	3.94			43.60
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
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
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
NPT CA Sites	65.24	21.98	25.90	19.46	48.84	31.22	46.50	47.22	54.80	54.40			415.56
NPT kerbside collections	1,505.28	1,157.96	1,444.24	1,841.52	2,018.60	2,004.42	2,083.10	1,772.46	1,870.76	1,710.76			17,403.10
NPT recycling Banks collections	0.00	10.74	2.94	3.22	6.30	0.28	4.00	6.20	1.54	0.00			34.22
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
Garmarthen Recycling	140.18	182.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			322.72
													0.00
Derwent Plant Trial Load	0.00	0.00	0.00	7.72	0.00	0.00	0.00	0.00	0.00	0.00			7.72
AJA Recycling	61.60	43.38	0.00	65.03	24.30	63.66	44.66	0.00	0.00	0.00			307.58
LAS Black Bag Waste	0.00	0.00	0.00	0.00	0.00	0.00	0.00	23.74	367.56	411.60			802.90
Biffa Commercial Waste	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.68			5.68
Peters Pies	24.14	34.10	34.58	32.96	32.78	28.92	37.60	44.38	21.28	21.42			372.16
Bridgend Refuse collection	2,282.38	1,763.66	1,841.12	1,912.88	1,913.76	1,788.06	1,899.04	1,760.54	1,833.72	1,945.06			18,900.22
Bridgend Civic Amenity	379.24	283.12	338.32	374.80	366.28	381.42	386.76	335.42	337.76	286.98			3,462.10
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
AJ Recycling MSW	0.00	0.00	864.74	871.38	978.66	869.64	950.22	806.56	614.20	413.36			6,967.76
NPT Waste Solutions	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17.54			17.54
										0.00			0.00
										0.00			0.00
										0.00			0.00
										0.00			0.00
Total Received	7,454.59	5,918.40	7,126.20	7,755.48	8,057.22	7,551.64	7,977.18	7,085.68	7,507.14	7,305.06	0.00	0.00	73,534.50
Recyclate Sales													
Non Ferrous Cans (NPT) MSW Line					1.72	0.00	0.00	0.00	0.00	0.00			1.72
Ferrous Cans (NPT) MSW Line					3.54	0.00	0.00	0.00	0.00	0.00			3.54
Non Ferrous Metals (BRIANPT & BG)					0.00	10.92	7.46	0.00	22.12	18.78			78.24
Ferrous Residual	458.76	238.08	316.72	270.16	359.30	288.54	311.24	287.02	183.66	144.94			2,863.42
Hinkcroft Drift Bales	1,246.72	1,163.84	892.00	1,130.80	880.04	2,128.76	1,579.26	982.88	537.46	308.68			10,640.34
TEXITLES	30.18	29.14	12.70	29.54	27.96	5.90	24.36	19.06	14.28	27.78			250.90
Paper(NPT)	281.70	190.88	116.92	136.96	131.82	166.24	112.78	0.00	0.00	26.08			1,163.38
Gen Ferrous scrap	0.00	0.00	9.92	45.58	6.38	0.00	0.00	10.02	10.08	9.98			91.96
Mixed Glass & Cans	468.42	246.74	307.90	323.56	279.10	313.60	161.42	455.54	318.56	366.58			3,241.42
Plastics (NPT Kerbside)	140.20	104.60	114.80	68.94	66.16	98.60	190.06	118.50	92.48	132.90			1,127.24
FOOD WASTE	436.20	315.90	317.96	324.18	371.66	330.32	363.00	321.22	356.80	430.22			3,667.46
Drift Fuel Cemex	1,263.22	910.80	3,290.36	2,893.60	2,979.86	1,260.94	1,480.94	2,199.34	2,618.24	1,642.18			20,102.48
Cardboard	397.88	254.78	289.30	329.70	278.04	277.02	416.72	407.40	374.66	632.90			3,569.00
Cans-Plastic Mix (NPT)								7.02	51.36	46.20			104.58
Green waste(NPT)								708.82	344.68	344.68			4,867.84
La Farge	62.18	41.16	284.34	580.98	802.24	949.66	703.70	500.08	386.70	945.04			1,330.74
NPT K'side Glass	0.00	0.00	0.00	0.00	0.00	0.00	1.88	9.34	0.00	0.00			11.22
Glass from MSW line	0.00	0.00	0.00	0.00	13.44	0.00	0.00	0.00	0.00	0.00			13.44
Total Recycle Sales Tonnes	4,794.42	3,096.92	5,852.92	8,100.00	8,272.18	5,854.04	6,245.35	5,539.54	5,870.88	4,967.95	0.00	0.00	53,002.92
Fly ash For treatment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			0.00
Waste to landfill													
Process Rejects	157.82	62.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			220.24
65mm dry Drift	0.00	0.00	0.00	0.00	0.00	0.00	94.62	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
Organic rejects	430.10	356.72	446.18	574.86	591.82	620.30	604.68	644.54	801.54	839.10			5,949.84
Ded household Waste	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
Total waste to landfill	687.92	459.14	446.18	574.86	591.82	620.30	609.30	644.54	801.54	839.10	0.00	0.00	6,261.70
Drift Incinerated													
Monthly Diversion %	92.15%	92.24%	93.74%	92.63%	92.65%	91.90%	91.23%	90.90%	89.32%	88.52%	#DIV/0!	#DIV/0!	91.63%





# NEATH PORT TALBOT (RECYCLING) LTD

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

Form Number: BJ5775 – Ash 1

Reporting of Ash Composition for the Period from October 1<sup>st</sup> 2014 to October 31<sup>st</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			DIOXIN LIKE PCBs		
															WHO – TEQ ng/kg			WHO – TEQ ng/kg		
															Humans/ mammals	Birds	Fish	Humans/ mammals	Birds	Fish
Bottom Ash – Line 1 (Incinerators 1 & 2 combined)																				
APC residues – Line 1 (Incinerators 1 & 2 combined)																				

Name: Kevin Stewart

On behalf of Neath Port Talbot (Recycling) Ltd

Signed:

Date: 17<sup>th</sup> November 2014