

Form Number : A1 Reporting of Emissions to Air for the period from ...1st October 2015....to....31st December 2015.....

Emissions to Air								
Emission Point	Substance / Parameter	Emission Limit Value	Result ^[1]	Test Method ^[2]	Sample Date and Times ^[3]	Accreditation/ Certification ^[4]	Uncertainty ^[5]	
A1	Lead and its compounds	0.5 mg/m ³	0.15mg/m ³	BS:EN:14385:2004	15/10/15 11:23 - 12:03	UKAS & mCerts 2	± 0.02mg/m ³	
A2	Lead and its compounds	0.5 mg/m ³	0.05mg/m ³	BS:EN:14385:2004	21/12/15 11:18 - 11:54	UKAS & mCerts 2	< 0.01mg/m ³	
A3	Lead and its compounds	0.5 mg/m ³	Not Operating					
A4	Lead and its compounds	0.5 mg/m ³	0.18mg/m ³	BS:EN:14385:2004	12/10/15 11:30 - 12:18	UKAS & mCerts 2	± 0.02mg/m ³	
A5	Lead and its compounds	0.5 mg/m ³	0.11mg/m ³	BS:EN:14385:2004	14/10/15 09:52 - 10:34	UKAS & mCerts 2	± 0.01mg/m ³	
A6	Lead and its compounds	1.0 mg/m ³	0.16mg/m ³	BS:EN:14385:2004	14/10/15 11:10 - 11:58	UKAS & mCerts 2	± 0.02mg/m ³	
A7	Lead and its compounds	2.0 mg/m ³	0.84mg/m ³	BS:EN:14385:2004	30/10/15 10:04 - 11:04	UKAS & mCerts 2	± 0.11mg/m ³	
A9	Lead and its compounds	0.5 mg/m ³	0.12mg/m ³	BS:EN:14385:2004	15/10/15 10:01 - 10:37	UKAS & mCerts 2	± 0.02mg/m ³	
A11	Lead and its compounds	0.5 mg/m ³	0.03mg/m ³	BS:EN:14385:2004	13/10/15 10:20 - 11:15	UKAS & mCerts 2	< 0.01mg/m ³	
A12	Lead and its compounds	0.5 mg/m ³	0.02mg/m ³	BS:EN:14385:2004	13/10/15 12:09 - 12:51	UKAS & mCerts 2	< 0.01mg/m ³	
A13	Lead and its compounds	2.0 mg/m ³	Not Operating					
A14	Lead and its compounds	2.0 mg/m ³	Not Operating					
A15	Lead and its compounds	0.5 mg/m ³	Not Operating					
A16	Lead and its compounds	0.5 mg/m ³	Not Operating					

A17	Lead and its compounds	0.5 mg/m ³	<i>Not Operating</i>				
A18	Lead and its compounds	1.0 mg/m ³	0.06mg/m ³	BS:EN:14385:2004	14/10/15 13:43 - 14:19	UKAS & mCerts 2	< 0.01mg/m ³
A19	Lead and its compounds	0.5 mg/m ³	0.03mg/m ³	BS:EN:14385:2004	12/10/15 13:43 - 14:31	UKAS & mCerts 2	< 0.01mg/m ³
A20	Lead and its compounds	0.5 mg/m ³	0.09mg/m ³	BS:EN:14385:2004	30/10/15 11:45 - 12:25	UKAS & mCerts 2	± 0.01mg/m ³
A22	Lead and its compounds	2.0 mg/m ³	<i>Not Operating</i>				
A23	Lead and its compounds	0.5 mg/m ³	0.04mg/m ³	BS:EN:14385:2004	30/10/15 14:00 - 14:40	UKAS & mCerts 2	< 0.01mg/m ³
A24	Lead and its compounds	0.5 mg/m ³	0.23mg/m ³	BS:EN:14385:2004	13/10/15 14:16 - 14:52	UKAS & mCerts 2	± 0.03mg/m ³
A25	Lead and its compounds	0.5 mg/m ³	<i>Not Operating</i>				
A26	Lead and its compounds	0.5 mg/m ³	0.18mg/m ³	BS:EN:14385:2004	12/10/15 10:10 - 10:58	UKAS & mCerts 2	± 0.02mg/m ³

[1] The result given is the maximum value (or the minimum value in the case of a limit that is expressed as a minimum) obtained during the reporting period, corrected to reference conditions. Where the emission is expressed as a range, the result is given as the 'minimum – maximum' measured values.

[2] Where an internationally recognised standard test method is used the reference number is given. Where another method that has been formally agreed with the Agency is used, then the appropriate identifier is given. In other cases the principal technique is stated, e.g. gas chromatography.

[3] For non-continuous measurements the date and time of the sample that produced the result is given. For continuous measurements the percentage of the process operating time covered by the result is given.

[4] The accreditation status of the equipment and/or the monitoring organisation, as appropriate, for the methods used for both sampling and analysis.

[5] The uncertainty associated with the quoted result at the 95% confidence interval, unless otherwise stated. The following uncertainties are quoted on a different basis (basis as stated)

Signed  Date 
 (authorised to sign as representative of the Operator)

Form Number : S1 Reporting of Emissions to Sewer for the period from1st October 2015....to....31st December 2015.....

Emissions to Sewer

Emission Point	Substance / Parameter	Emission Limit Value	Result ^[1]	Average Result ^[6]	Test Method ^[2]	Sample Date and Times ^[3]	Accreditation/ Certification ^[4]	Uncertainty ^[5]
S1	Lead and its compounds	10.0 mg/l	3.613 mg/l	n/a	EV OI 077	13/11/15 at 08:30 hrs	EV OI 077	
S1	pH	Min 6 max 11	7.1 Min 9.1 Max	7.82	EV OI 075	24/11/15 at 08:30 hrs 27/11/15 at 14:30 hrs	EV OI 075	
S1	Flow	None	N/A	n/a	N/A	N/A	N/A	N/A
S1	Copper and its compounds	None	N/A *	n/a	N/A	N/A	N/A	N/A
S1	Zinc and its compounds	None	N/A *	n/a	N/A	N/A	N/A	N/A
S1	Chromium and its compounds	None	N/A *	n/a	N/A	N/A	N/A	N/A
S1	Nickel and its compounds	None	N/A *	n/a	N/A	N/A	N/A	N/A
S1	Chemical Oxygen Demand	None	N/A *	n/a	N/A	N/A	N/A	N/A
S1	Sulphate	None	N/A *	n/a	N/A	N/A	N/A	N/A
S1	Total suspended solids	None	N/A *	n/a	N/A	N/A	N/A	N/A
S2	Lead and its compounds	5.0 mg/l	1.044 mg/l	n/a	EV OI 077	22/12/15 at 08:45 hrs	EV OI 077	
S2	pH	Min 6 max 11	7.5 Min 7.5 Max	7.5	EV OI 075	22/12/15 at 08:45 hrs	EV OI 075	
S2	Flow	None	N/A	n/a	N/A	N/A	N/A	N/A
S2	Copper and its compounds	None	N/A *	n/a	N/A	N/A	N/A	N/A
S2	Zinc and its compounds	None	N/A *	n/a	N/A	N/A	N/A	N/A
S2	Chromium and its compounds	None	N/A *	n/a	N/A	N/A	N/A	N/A
S2	Nickel and its compounds	None	N/A *	n/a	N/A	N/A	N/A	N/A

* Report due next quarter

Form Number : S1 Reporting of Emissions to Sewer for the period from1st October 2015....to....31st December 2015.....

Emissions to Sewer						
Emission Point	Substance / Parameter	Emission Limit Value	Result [1]	Average Result [6]	Test Method [2]	Sample Date and Times [3]
S2	Chemical Demand	None	N/A *	n/a	N/A	N/A
S2	Sulphate	None	N/A *	n/a	N/A	N/A
S2	Total suspended solids	None	N/A *	n/a	N/A	N/A

* Report due next quarter

[1] The result given is the maximum value (or the minimum value in the case of a limit that is expressed as a minimum) obtained during the reporting period, expressed in the same terms as the emission limit value. Where the emission limit value is expressed as a range, the result is given as the 'minimum – maximum' measured values.

[2] Where an internationally recognised standard test method is used the reference number is given. Where another method that has been formally agreed with the Agency is used, then the appropriate identifier is given. In other cases the principal technique is stated, e.g. colorimetry.

[3] For non-continuous measurements the date and time of the sample that produced the result is given. For continuous measurements, or flow/time proportional samples, the percentage of the process operating time covered by the monitoring is given.

[4] The accreditation status of the equipment and/or the monitoring organisation, as appropriate, for the methods used for both sampling and analysis.

[5] The uncertainty associated with the quoted result at the 95% confidence interval, unless otherwise stated. The following uncertainties are quoted on a different basis (basis as stated) – {The basis of any other uncertainty figure needs to be stated. Where no figure is available the Agency will need to agree an appropriate uncertainty value.}

[6] The result given is the average value of all results obtained during the reporting period.

Signed Date 28/11/16
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Emission Point	Substance / Parameter	Emission Limit Value	Result ^[1]	Annual mass ^[2]
S1 and S2	Mercury and its compounds	0.005 mg/l	<0.00010mg/l	
S1 and S2	Mercury and its compounds	0.9 g		0.0000346g/m³
S1 and S2	Cadmium and its compounds	0.01 mg/l	<0.0006mg/l	
S1 and S2	Cadmium and its compounds	0.3 g		0.000217g/m³

[1] The result is given as a mass balance calculation, definition as given in condition 6.1.1
[2] The Annual Mass is given as a mass balance calculation , definition as given in condition 6.1.1

SignedDate 28.1.16.....

(authorised to sign as representative of the Operator)

Form Number : R1 Reporting of Waste Disposal for the year ...2015.....

Waste Disposal & Recovery			
Waste Description	Disposal		Recovery
	Route	Tonnes	
1) Hazardous Wastes			
Lead and lead oxide waste	H.J.Enthoven	1022.0	1022.0
Other hazardous waste	See below	66.849	5.759
Total hazardous waste		1088.849	1027.759
2) Non-Hazardous Wastes			
Total non-hazardous waste	See below	160.762	72.476
		160.762	72.476
TOTAL WASTE	-	1249.611	1100.235

Trends in Waste Disposal and Recovery				
Year	Parameter		Total Waste	
	Hazardous waste	per unit output [1]	Tonnes	per unit output [1]
2007	1235.59	0.0784133	1622.98	0.1029979
2008	1417.76	0.1114617	1804.09	0.1418343
2009	1054.98	0.0727888	1362.11	0.0939794
2010	1344.89	0.0824059	1691.32	0.1036328
2011	1250.885	0.0719975	1542.276	0.0887692
2012	686.0394	0.0429621	923.3654	0.0578243
2013	1053.352	0.0542732	1264.863	0.0651712
2014	1054.71	0.0653937	1260.908	0.0781783
2015	1088.849	0.0649330	1249.611	0.0745200

[1] Waste per unit output should be quoted in units of waste produced from battery process / tonnes of battery produced per year.

Operator's comments :

Other Hazardous Waste comprises:-

Liquid Resin (styrene/methyl methacrylate) - Castle Waste Services = 2 Tonnes (2 Tonnes Recycled)
Oil/Water/Antifreeze - Castle Waste Services = 3.63 Tonnes (3.63 Tonnes Recycled)
Waste Metal Resin Containers - Castle Waste Services = 1.68 Tonnes (Nil Recycled)
Used extraction filters - Castle Waste Services = 375Kgs (Nil Recycled)
Lead Cell Test, Chloride and Iron Waste (Laboratory Chemicals) = 35kgs (Nil Recycled)
Dilute Sulphuric Acid - Qualitech Environmental Services = 59 Tonnes (Nil Recycled)
Fluorescent tubes and lamps - A.N. Supplies Ltd = 129kgs (129kgs Recycled)

Non Hazardous Waste comprises:-

Waste Cardboard/Paper - Adrian Lewis = 35.64 tonnes (35.64 Tonnes Recycled)
Waste Plastic - K P Plastic Recycling= 13.16 Tonnes (13.16 Tonnes Recycled)
Waste Timber - Westgate Pallets Ltd = 20.27 Tonnes (20.27 Tonnes Recycled)
General Commercial Waste - Veolia ES (UK) Ltd = 88.26 Tonnes (Nil Recycled)
Medical and Sanitary Waste - Cathedral Leasing = Estimated at 26kgs (Nil Recycled)
Waste Electrical Equipment - Adrian Lewis = 26kgs (26kgs Recycled)
Waste Metal - Adrian Lewis = 3.38 Tonnes (3.38 Tonnes Recycled)

I would add that a review of waste has been undertaken throughout 2015 to ensure the accuracy of the figures reported, however, it is likely to increase in 2016 due to some returnable packaging materials being included as waste which may influence the performance indicators provided.

Waste will continue to be targeted for improvement in 2016.

Signed Date 28/11/16
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Form Number : WU1
 Reporting of Water Usage for the year2015.....

Water Usage		
Water Source	Annual Usage (m³)	Water per unit output [1] (m³/t)
Abstraction Borehole	32821.0m³	
Mains water	29777.0m³	
Recycled Effluent	10216.0m³	
TOTAL WATER USAGE	72814.0m³	4.342232

Trends in Water Usage		
Year	Parameter	Water per unit output [1]
2010	Total Water usage	7.8644952
2011	128351.0m³	7.2332829
2012	125671.0m³	5.9856768
2013	95582.0m³	3.9280113
2014	76236.0m³	3.7313187
2015	60181.0m³	4.3422321

[1] Water per unit output should be quoted in units of total water use / tonnes of battery produced per year.

Operator's comments :

Abstracted water:-

Borehole A = 12122m³, Borehole B = 20699m³, Total = 32821m³

In 2014 the Dwr Cymru mains water meter was not functioning for 4 month, therefore, average water figures were used which may have resulted in a lower previous figure being used from which to target from.

It has operated satisfactorily in 2015 so is now an accurate reading, however, total water has again been listed for further monitoring during 2016.

Signed
 (authorised to sign as representative of the Operator)
 Date.....

Form Number : E1 Reporting of Energy Usage for the year ...2015.....

Energy Usage			
Energy Source	Energy Usage		CO ₂ Produced (tonnes)
	Quantity	Primary Energy (MWh)	
Electricity *	18804.284 MWh	45130.282	7491.627
Natural Gas	6359.829 MWh	6359.829	1208.368
TOTAL	25164.113 MWh	51490.111	8699.995

Trends in Energy Usage			
Year	Parameter	CO ₂ produced	CO ₂ per unit output [1]
2011	Primary Energy usage	10291.399	0.5923450
2012	51875.1766	8762.885	0.5487623
2013	58041.912	9798.341	0.5048532
2014	50154.654	8482.294	0.5259158
2015	51490.111	8699.995	0.5188205

* Conversion factor for delivered electricity to primary energy = 2.4

[1] CO₂ per unit output should be quoted in units of total CO₂ produced / tonnes of battery produced per year.

Operator's comments :

CO₂ release from electricity supply is calculated by multiplying delivered electricity by 2.4 (to primary energy) and then by 0.166 kg CO₂ / kWh. Gas usage is multiplied by 0.19 kg CO₂ / kWh. This is in line with previous submissions.

I would add that energy efficiency continues to be an objective and target for further improvement and that new energy efficient lighting has now been installed in factory Nos. 1, 3, 4 and 5.

Factory No.2 has previously had the lighting updated.

Signed Date.....
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Form Number : PI1 Reporting of Performance Indicators for the year ...2015.....

Annual Production/Treatment	
Production of batteries produced per year	16768.795 tonnes

Environmental Performance Indicators

Performance Indicators		
Parameter [1]	Annual Mass	Units
COD	0.1387867	kg/tonne
Mass of lead released from A1 – A7 and A9 - A26	0.0051848	kg/tonne
Mass of lead released to sewer	0.0104550	kg/tonne

Trends in Environmental Performance		
Year	Parameter [1]	
2008	0.0327909	0.0049244
2009	0.0449475	0.003942
2010	0.0719370	0.0031003
2011	0.0878032	0.0040374
2012	0.1057535	0.0037291
2013	0.0610321	0.0043773
2014	0.1252405	0.0048269
2015	0.1387867	0.0051848

[1] Performance indicators should be quoted in units of parameter / tonnes of battery produced per year

Operator's comments:

COD mass to sewer = 2327.286 kg/year / 16768.795 tonnes of battery produced = 0.1387867 kg/tonne.

Lead mass from stacks = 86.943 kg/year / 16768.795 tonnes of battery produced = 0.0051848 kg/tonne.

Lead mass to sewer = 175.3191 kg/year / 16768.795 tonnes of battery produced = 0.0104550 kg/tonne.

COD:- I would add that the annual COD release has been calculated from the average of the maximum monthly figures recorded from both Welsh Water and Yuasa quarterly samples. Samples were taken in each month of January to December inclusive for factory No. 2 (S1) and January, February, April, May, July and October for factory No.4 (S2). Stacks:- In 2015, there has been an increase in the Lead mass from stacks against 2014, which is affected by an increase in stack operational hours of 186.7 hours. As in previous years, all LEV systems continue to be shut-down at break times.

Sewer:- The annual Lead release for S1 has been calculated from the average of the maximum monthly figures recorded for each month of 2015, and for S2, has been calculated from the maximum monthly figures recorded in February, March, April, June and December 2015.

Total Lead to sewer has decreased in 2015 which is due to lower average maximum Lead results being recorded throughout the year, however, the volume of rain water processed through effluent plant S1 is also likely to affect the mass lead and COD calculations.

COD and Lead in trade effluent will continue to be targeted for improvement in 2016.

Signed Date.....
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2015 Environmental Objectives and Targets	
Item No.	Environmental Objective
1	To better by 4 % the KWh of energy per KWh of production against that of 2014 results. 2015 target = 49KW energy per KWh of production. At the end of the year, the result achieved was 49.7KW/KWh which is very slightly behind target, therefore, it will continue to be targeted for improvement in 2016.
2	Reduce the scrap level from the 2014 figure of 0.68% to 0.5% in 2015. At the end of the year, the result achieved was 0.55% therefore the target has not been met. It will continue to be targeted for improvement in 2016.
3	Maintain total waste at around the same level as that of 2013 therefore the target for 2015 will be a performance indicator of <0.0651712. The performance indicator for total waste between 1st January and 31st December 2015 is 0.0745200 therefore the target has not been met, however, it is an improvement over the 2014 figure but also takes into consideration a review to the waste management Regulations (WM3) which is likely to include additional items in 2016. A new performance indicator will be set for 2016 which will be based on the changes being made.
4	Maintain total trade effluent discharge at around the same level as that of 2013 therefore in 2015 it will be targeted for a maximum of 21,913m³ or a performance indicator of around 1.1290533 as the volume of trade effluent significantly affects the mass of Lead and COD. The performance indicator for trade effluent discharge between 1st January and 31st December 2015 amounts to 44015m³ or a performance indicator of 2.6248159 therefore the target for 2015 has not been met and will be targeted for improvement in 2016.
Item No.	Environmental Tracking Items
1	Maintain the 2014 total water per unit output at around the same level therefore by the end of 2015 the target is a performance indicator of around 3.7313187 The performance indicator for total water usage between 1st January and 31st December 2015 amounts to 72814m³ or a performance indicator of 4.3422321, therefore, the target has not been met and will continue to be monitored throughout 2016. However, it may also have been affected by a previous malfunction of the Dwr Cymru mains water meter which may have resulted in a lower previous figure being used from which to target from.
2	Maintain Lead in effluent results at around the same level as that of 2013. The mass Lead to effluent in 2013 was an annual total of 59.8124kgs therefore in 2015 it will be targeted for <59.8124kgs. The mass Lead emission to sewer for the period 1st January to 31st December 2015 is 175.3191kgs but is dependent on the total volume discussed in 4 above, therefore, Lead and total effluent discharge will continue to be targeted for improvement in 2016.

2016 Environmental Objectives and Targets

Item No.	Environmental Objective
1	<i>To better by 2 % the KWh of energy per KWh of production against that of 2015 results. 2016 target = 48.7KW energy per KWh of production.</i>
2	<i>Reduce the scrap level from the 2015 figure of 0.55% to 0.48% in 2016.</i>
3	<i>Maintain total waste at around the same level as that of 2015, therefore, the target for 2016 will be a performance indicator of <0.074520 0 (taking into consideration the likely increase in returnable packaging which will be subject to waste carrier notes)</i>
4	<i>Reduce the total trade effluent discharge by 5% against 2015 to a maximum of 41,814 m³ or a performance indicator of around 2.4935752 as the volume of trade effluent significantly affects the mass of Lead and COD.</i>
Item No.	Environmental Tracking Items
1	<i>Reduce the 2015 total water per unit output by 2% from 72,814m³ or a performance indicator of 4.3422321 in 2015 to 71,358m³ or a performance indicator of 4.2553875 by the end of 2016.</i>
2	<i>Reduce the mass Lead in effluent by 5% from 175.3191kgs in 2015 or a performance indicator of 0.0104550 to 166.553kgs or a performance indicator of 0.0099323 by the end of 2016.</i>



ENERGY MANAGEMENT

Energy Monitoring and Targeting

Yuasa Battery (UK) Ltd has improved its energy efficiency by 57% since its energy monitoring and improvements started in 2004.

In 2015, Yuasa has continued to internally monitor energy usage; we now have full confidence in the readings we are obtaining and our partner energy monitoring company has assisted in reinforcing our shut-down procedures and suggesting new ideas in ways to reduce energy use further.

In 2016, we have a couple of projects to investigate, mainly to do with motor and transformer efficiency, however, they will require quite high capital investment but if we target the relevant equipment, the payback is short and efficiency improvement large. It is proving more difficult to gain large savings as we have already introduced the easier projects, however, we are confident that we can still improve.

We still continue to strive to push energy costs even lower through improved efficiency procedures and more controlled management. The company's main objectives are to raise awareness, improve efficiency levels and reduce costs.

At the beginning of 2015, we received confirmation that our site would become exempt from the Climate Change Levy as we are classified as metal smelters, we continue to remain exempt from CRC. At the end of 2015 we submitted our ESOS report in line with our legal obligation.

The two lists below indicate some of the projects which were undertaken in 2015, as well as proposed further actions for 2016. These projects were identified in order to further drive down costs and improve environmental management and monitoring.

Improvements completed in 2015:

- Used our UPS to reduce loadings at Triad periods.
- Installed new lighting in areas of the factory still using SON & low frequency equipment in factory Nos. 1, 3, 4 & 5.
- Installed LED external factory lighting with lux sensors to replace old equipment.
- Placed all shop floor heating onto thermostats.
- Aligned our compressor sequencing to ensure the most efficient machines were run at certain times of the week.
- Up-rated and maintained our power factors to ensure >0.95

We obviously continue to repair any compressed air leaks in a timely manner and monitor our shut down procedures continuously.

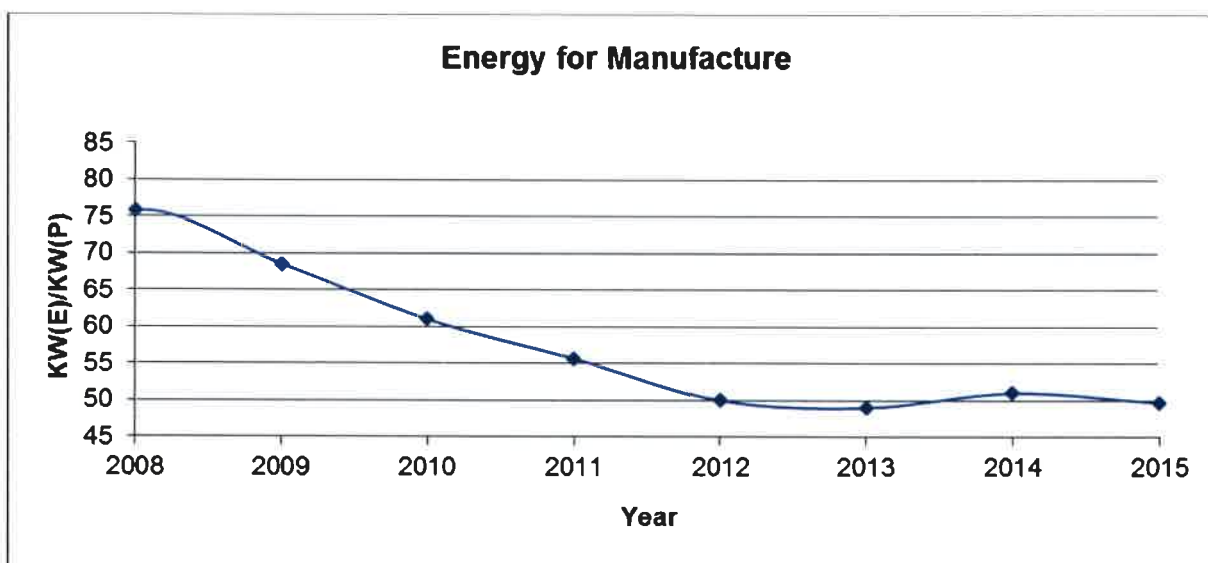
In addition, the following is planned in 2016:

- Replace old motors with new high efficiency rated equivalents.
- Investigate the savings and payback that can be obtained by replacing 30 year old transformers with new equipment.

The graph below shows the reduction in KWh of energy used to manufacture KWh of production (Battery capacity measurement) over the last 7 years.

It shows a reduction of 35% in the energy required to manufacture 1KW of battery power.

In 2015, we regained the low level previously achieved in 2013 and we hope that in 2016, we can maintain or even reduce this further, however, some part of this will be related to operational shift patterns whilst new capital equipment is delivered for installation.



Waste Type	EWC Code	Waste Type	D & R Code	SIC Code	Q1	Q2	Q3	Q4	2015 Total	Unit	Classification	Carrier	EA/NRW Cert No.	Exp. Date
Lead Oxide incl. Paste and Stack Dust	06 03 15*	MH R4	31.40	31.40	71	71	74	85	301	Tonnes	Hazardous	Matlock/H.J. Enthoven	NEI217	14/07/2016
Lead Plates, Cells & Off cuts	06 04 05*	MH R4	31.40	31.40	48	122	91	32	293	Tonnes	Hazardous	Matlock/H.J. Enthoven	NEI217	14/07/2016
Sump Sludge	06 05 02*	MH R4	31.40	31.40	7	4	18	18	47	Tonnes	Hazardous	Matlock/H.J. Enthoven	NEI217	14/07/2016
Liquid Resins (Styrene/methyl methacrylate)	08 04 09*	MH R13	31.40	31.40	0	2	0	0	2	Tonnes	Hazardous	Castle Waste Services	CBVNS271YZ	26/03/2016
Lead Dross	10 04 02*	AH R4	31.40	31.40	100	62	74	78	314	Tonnes	Hazardous	Matlock/H.J. Enthoven	NEI217	14/07/2016
Waste Oil/Water/Antifreeze	13 01 10*	AH R13	31.40	31.40	0	3.63	0	0	3.63	Tonnes	Hazardous	Castle Waste Services	CBVNS271YZ	26/03/2016
Waste Cardboard/Paper	15 01 01	AN R3	27.20	27.20	11.26	8.8	8.38	7.2	35.64	Tonnes	Non Hazardous	Adrian Lewis	CB/CPS912DT	16/03/2016
Waste Plastic	15 01 02	AN R5	27.20	27.20	4.31	2.57	3.1	3.18	13.16	Tonnes	Non Hazardous	KP Plastic Recycling	CB/IFES743TT	11/12/2017
Waste Wood	15 01 03	AN R3	27.20	27.20	0	7.58	8.25	4.44	20.27	Tonnes	Non Hazardous	Westgate Pallets Ltd	CB/ZM3550DA	03/07/2016
Waste Metal Resin Containers	15 01 10*	AH D9	31.40	31.40	0	1.68	0	0	1.68	Tonnes	Hazardous	Castle Waste Services	CBVNS271YZ	26/03/2016
Used Filters Containing Lead/Oil	15 02 02*	MH D15	31.40	31.40	0	0.375	0	0	0.375	Tonnes	Hazardous	Castle Waste Services	CBVNS271YZ	26/03/2016
Waste Oil Absorbent Materials	15 02 02*	MH R13	31.40	31.40	0	0	0	0	0	Tonnes	Hazardous	Castle Waste Services	CBVNS271YZ	26/03/2016
Lead Cell Test, Chloride and Iron Waste (Water Plant)	16 05 06*	MH D15	31.40	31.40	0	0.035	0	0	0.035	Tonnes	Hazardous	Natural Solutions	CBVNS271YZ	26/03/2016
Batteries	16 06 01*	AH R4	31.40	31.40	12	22	22	11	67	Tonnes	Hazardous	Matlock/H.J. Enthoven	NEI217	14/07/2016
Dilute Sulphuric Acid	16 06 06*	AH D9	31.40	31.40	15.14	0	20.34	23.52	59	Tonnes	Hazardous	Qualitech Env. Services	CB/UE5701TV	13/05/2017
Spent Fire Extinguishers	17 04 07	MN R10	31.40	31.40	0	0	0	0	0	Tonnes	Non Hazardous	Blackwood Fire	CB/JUP3213JH	15/02/2016
Fluorescent Tubes and Lamps	20 01 21*	AH R13	31.40	31.40	0.022	0.088	0.01936	0	0.12936	Tonnes	Hazardous	A N Supplies Ltd	CB/UUM3688QQ	03/02/2016
General Waste	20 03 01	AN D1	27.20	27.20	21.84	25.62	20.14	20.66	88.26	Tonnes	Non Hazardous	Veolia ES (UK) Ltd	CB/TE5190ST	21/12/2017
Weights of Reportable Hazardous and Non-Hazardous Wastes					290.572	333.378	339.2294	283.00	1246.1794	Tonnes				

Non-Hazardous Waste Reportable as Below the Reporting Threshold (brr)

Waste Type	EWC Code	Waste Type	D & R Code	SIC Code	Q1	Q2	Q3	Q4	2015 Total	Unit	Classification	Carrier	EA/NRW Cert No.	Exp. Date
Sharps.(E)	18 01 01	AN D10	27.20	27.20	0.0025	0.0025	0.0025	0.0025	0.01	Tonnes	Non Hazardous	Cathedral Leasing	CB/BU550033	28/07/2018
Used Swabs, Dressing etc.(E)	18 01 04	AN D10	27.20	27.20	0.002	0.002	0.002	0.002	0.008	Tonnes	Non Hazardous	Cathedral Leasing	CB/BU550033	28/07/2018
Sanitary Waste (E)	20 01 99	AN D10	27.20	27.20	0.002	0.002	0.002	0.002	0.008	Tonnes	Non Hazardous	Cathedral Leasing	CB/BU550033	28/07/2018
Discarded WEEE.	20 01 36	AN R4	27.20	27.20	0	0.026	0	0	0.026	Tonnes	Non Hazardous	Adrian Lewis	CB/CP3912DT	16/03/2016
Waste Metals	20 01 40	AN R4	27.20	27.20	1.62	1.76	0	0	3.38	Tonnes	Non Hazardous	Adrian Lewis	CB/CP3912DT	16/03/2016
Weights of Non-Hazardous Waste Below the Reporting Threshold					1.6265	1.7925	0.0065	0.0065	3.432	Tonnes				
Total Hazardous Waste Weight					253.162	288.808	299.3594	247.52	1088.8494	Tonnes				
Total Non-hazardous Waste Weight					39.0365	46.3625	39.8765	35.4865	160.762	Tonnes				
Total of All Waste									1249.611	Tonnes				
Hazardous Waste Transferred for Disposal								(REPI A)	61.09	Tonnes				
Hazardous Waste Transferred for Recovery								(REPI B)	1027.759	Tonnes				
Non-Hazardous Waste Transferred for Disposal								(REPI C)	88.286	Tonnes				
Non-Hazardous Waste Transferred for Recovery								(REPI D)	72.476	Tonnes				
Net Total Waste Produced								(REPI E)	149.376	Tonnes				
								(REPI F)		Tonnes				

Performance Indicators

Non-hazardous waste weights reportable if above a 5 tonne threshold but record brr if below.

All hazardous waste to be reported regardless of weight.

Keys

Lead Waste

Waste Type

AH Absolute Hazardous

AN Absolute Non-Hazardous

MH Mirror Hazardous Entries

MN Mirror Non-Hazardous Entries

REPI - Resource Efficiency Physical Index

EWC Code - European Waste Catalogue Code

D & R Code - Disposal and Recovery Code

E - Estimate based on 2007 figures (carrier does not weigh waste)

Cumulative Battery Tonnage Performance Indicator

Q1 -

Qs 1 & 2 -

Qs 1 to 3 -

Qs 1 to 4 -

2015 Water Usage

	Q1	Q2	Q3	Q4	2015 Total	Unit
Abstracted from Borehole A	0.00	0.00	0.00	12122.00	12122.00	m ³
Abstracted from Borehole B	2215.00	4967.00	7615.00	5902.00	20699.00	m ³
Total used each quarter	2215.00	4967.00	7615.00	18024.00	32821.00	m ³
Mains Water	12536.00	6707.00	6931.00	3603.00	29777.00	m ³
% recycled to date	16.78%	18.27%	18.08%	16.32%	16.32% for year	
Recycled Water	2474.00	2354.00	2578.00	2810.00	10216.00	m ³
Total Water Usage	17225.00	14028.00	17124.00	24437.00	72814.00	m ³
Battery Tonnages Produced	3645.613	4222.262	4629.252	4271.668	16768.795	Tonnes

Water Performance Indicator 4.7248570 3.9722288 3.8710497 4.3422321

Gross Water Used	(REPI A)	62598.00	m ³
Net Water Used De-ionised water used in product (Insert figure from spread sheet)	(REPI B)	1728.447	m ³
Mains Water	(REPI C)	29777.00	m ³
Direct Abstraction	(REPI D)	32821.00	m ³

REPI - Resource Efficiency Physical Index