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02 MAY 2013

Permit Reference No: **AP3833HZ**

Operator: **2 Sisters Poultry Ltd.**

Installation: **Llangefni**

Form Number: **WU1**

Reporting of Water Usage for the period : Q1 - Jan '13 to Mar '13 incl.

Water Source	Usage (m^3)	Water KPI (Litres per Bird)	
Potable Water (Mains) - Prod'n	37,861.23	12.48	
Potable Water (Mains) Non-Prod'n	3,245.95	0.00	
Mains Total	**41,107.2**	**13.54**	
Non-Potable (Bore Hole)*	1,800.00		
TOTAL	**42,907.2 ***	**13.54**	

Trends in Water Usage

Year	Parameter			
	Named Water Source	Total Water Usage (m3)	Water KPI (Litres per Bird)	% change
2006	Mains	299,034	19.90	-
2007	Mains	238,160	21.60	-8.5%
2008	Mains	229,696	19.10	11.6%
2009	Mains	181,807	15.53	18.7%
2010	Mains	174,542	14.38	7.4%
2011	Mains	180,548	14.41	-0.2%
2012	Mains	55,495	13.68	5.1%

Current year Usage & KPI may include volume not related to reporting period

Operator's Comments:
Non-Potable (Borehole) water is no-longer abstracted due to a malfunction of the pump

Non-Production day Water IS included in the Total KPI and amounts to approx. 8% of Mains Total.

signed: ----------

(authorised to sign as representative of the Operator)

Date: 02 May 2013

MONITORING RETURNS N. WALES
INITIALS DATE
CHECKED for AUTHORISATION SK 9.8.13
TRACKING JB 3-5-13
OK FOR PUBLIC REGISTER SK 9.18.13
COPIED TO PUBLIC REGISTER JB EDRM

Permit Reference No: **AP3833HZ** Operator: **2 Sisters Poultry Ltd.**

Installation: **Llangefni** Form Number: **E1**

Reporting of Energy Usage for the period : Q1 - Jan '13 to Mar '13 incl.

Energy Source	Energy Usage		
	Qty	Energy	CO_2 produced (tonnes)
Electricity	MWh	4,412.36	732.45
Delivered Electricty - Prod'n	MWh	*1,424.30*	*764.85*
Delivered Electricty - Non Prod'n	MWh	*272.76*	*146.47*
Natural Gas	MWh	1,393.00	264.58
Gas Oil		N/A	
Heavy Fuel Oil		N/A	-
TOTAL		***1,697.06***	***911.32***

Trends in Energy Usage				
Year	Parameter			
	Delivered Energy (Total)	Primary Energy (Total)	Primary Energy CO_2	% change
2006	8,186.1	21,283.82	3,533.11	-
2007	7,449.3	19,368.31	3,215.14	9.0%
2008	7,617.6	19,805.71	3,287.75	-2.3%
2009	7,271.5	18,905.95	3,138.39	4.5%
2010	6,952.8	18,077.29	3,000.83	4.4%
2011	6,842.2	17,789.64	2,953.08	1.6%
2012	2,263.5	5,885.07	976.92	66.9%

Operator's Comments:

Electricity values (delivered) collated from on-line telemetry.
Conversion Factors as quoted on Carbon Trust & DEFRA websites.
Delivered electricity to Primary electricity multiply by 2.6
Delivered electricity to CO2 equivalent multiply by 0.537
Primary electricity to CO2 equivalent multiply by 0.166

signed: .....

(authorised to sign as representative of the Operator)

Date: 02 May 2013

Permit Reference No: **AP3833HZ** Operator: **2 Sisters Poultry Ltd.**

Installation: **Llangefni** Form Number: **PI1**

Reporting of Performance Indicators: Q1 - Jan '13 to Mar '13 incl.

Annual Production / Treatment	
Quarterly Production of Poultry products 3,034,960 Birds	Quarterly Liveweight tonnes = 11,696.2
Annual Production of Poultry products 4,057,280 Birds	Annual Liveweight tonnes = 15,729.0

Environmental Performance Indicators

Item	Parameter	Q1 Value
Refrigerant Consumption	Kg/pa	830
Water Usage	Litres/Bird	13.54
Mains Water	m^3	41,107
Effluent Discharge	m^3	46,497
Average Effluent Flow	m^3/day	517
COD Qtr Average	mg/l	1,123
COD*	Tonnes	5.80

Trends in Environmental Performance				
Year	Water (m^3)	Electricity (MWh)	Effluent (m^3)	Birds
2006	299,034	8,186	271,324	14,996,999
2007	238,160	7,449	245,914	11,030,638
2008	229,696	7,618	242,500	11,980,188
2009	181,807	7,272	210,592	11,970,652
2010	174,542	6,953	173,553	12,141,841
2011	180,548	6,842	186,895	11,671,403
2012	55,495	2,263	195,469	4,057,280

Operator's Comments:

COD tonnage is based on Effluent Flow per Qtr x Avg COD per Qtr.
Effluent Flow average includes weekends (i.e non-production days, as some Trade Effluent is processed on these days)
Refrigerant Consumption = 830kg of Ammonia replaced into system following leak on 13th Aug 2012.

signed: .....

(authorised to sign as representative of the Operator)

Date: 02 May 2013

Permit Reference No: **AP3833HZ** Operator: **2 Sisters Poultry Ltd.**

Installation: **Llangefni** Form Number: **S2**

Reporting of Emissions to Sewer for the period: Q1 - Jan '13 to Mar '13 incl.

Emission Point	Substance / Parameter	Emission Limit Value/µg l^{-1}	Emissions Level /µg l^{-1}	Annual Mass Limit /g	Annual Mass Release /g
S1	Mercury	3	0	30	0

Emission Point	Substance / Parameter	Maximum /mg l^{-1}		Minimum /mg l^{-1}		Average /mg l^{-1}	Number of Results
		Date	Value	Date	Value		
S1	Chemical Oxygen Demand (COD)	21 Feb 13	1510	09 Feb 13	450	1123	124

Emission Point	Average Effluent Flow m^3 day
S1	517

Note: Mercury values are estimates based on previous submissions and data determined at time of permit application

Operator's Comments:
Effluent Discharged over 91 days = 46,497 m3

Note: Discharge Consent to change to COD level of 1000 mg/l and Flow Volume to 750m^3 per day

signed: ..... Date: 02 May 2013

(authorised to sign as representative of the Operator)

Permit Reference No: **AP3833HZ** Operator: **2 Sisters Poultry Ltd.**

Installation: **Llangefni** Form Number: **R1**

Reporting of Waste Disposal & Recovery for the period: Q1 - Jan '13 to Mar '13 incl.

	Disposal		Recovery (Tonnes)
	Route	Tonnes	
Hazardous Waste			
Oils	R		0
Fluorescent Tubes	R		0
Chemicals			0
Total Haz. Waste		**0**	**0**
Non-Hazardous Waste			
General Waste	D1	16.38	
Paper & Card	R		3.50
Plastics	R		0.61
Metals	R		1.62
Total Non-Haz. Waste		16.38	5.73
TOTAL WASTE		**22.11**	

Operator's Comments:
General Waste is collected twice weekly in segregated skip. Each collection contains approx. 1 tonne mixed domestic waste (General/Card/Metal/Plastic). Everything bar General goes for recycling - < 25% (approx.) goes to Landfill.

signed: ----------

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