

Permit Reference Number: DP3430LX

Operator: TRW Limited

Installation: TRW Automotive

Form Number: R1

**Reporting of Waste Disposal and Recovery for the year .....2016.....**

Waste Description	Disposal Route	Tonnes	Recovery Tonnes
1a) Hazardous Wastes - Solid	Landfill	59.6	6.68
1b) Hazardous Wastes - Liquids	Chemical Treatment	1099.71	
2) Non-Hazardous Wastes			
<b>TOTAL WASTE</b>	-	<b>1159.31</b>	<b>6.68</b>

Year	Named Waste	Total Waste
2013	644.28	644.28
2014	885.275	885.275
2015	867.84	867.84
2016	1165.99	1165.99

Operator's comments :

The increased waste in 2016 is related to production volume increases through the zinc nickel plant



Signed ....  
(Authorised to sign as representative of TRW Limited)

Date.....17/01/17 .....

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**Reporting of Energy Usage for the year .....2016.....**

Energy Source	Energy Usage Quantity	Primary Energy, (MWh)	CO <sub>2</sub> Produced (tonnes)
Electricity *	3.66 MWh	9.516	1.580
Natural Gas	105521 m <sup>3</sup>	0.09	0.017
Gas Oil	0 tonnes		
<b>TOTAL</b>	-	9.606	1.597

\* Conversion factor for delivered electricity to primary energy = 2.6

Year	Primary Energy usage	CO <sub>2</sub> produced Tonnes
2013	4.938 MWh	0.820 Tonnes
2014	9.57 MWh	1.622 Tonnes
2015	9.568 MWh	1.612 Tonnes
2016	9.606 MWh	1.597 Tonnes

**Operator's comments :**

The site now has significant sub-metering in place to allow more accurate measurement of electricity and gas usage associated with permitted activities as opposed to previous years where usage was estimated.

Gas Conversion m<sup>3</sup> = ((m<sup>3</sup>\*29.31)/35)/1000000) MWh

The conversion factors used to calculate the CO<sub>2</sub> produced were taken from the sector guidance H2 section 3.1 and were 190 for natural Gas and 166 for electricity. ((MWh \* Co<sub>2</sub> factor)/1000)

2016 Conversion factor for delivered electricity to primary energy = 2.6, previously 2.4



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**Reporting of Water Usage for the year .....2016.....**

Water Source	Usage (m <sup>3</sup> )	Specific Usage (m <sup>3</sup> /t)
Mains water	53254	
TOTAL WATER USAGE	53254	

Trends in Water Usage Parameter		
Year	Named Water source	Total Water usage
2013	Town's Mains	39385
2014	Town's Mains	46302
2015	Town's Mains	52422
2016	Town's Mains	53254

Operator's comments :

The increase in water usage in 2016 is due to the increased production on the Zinc Nickel Plating process



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Date.....17/01/17 .....