

Attachment G.1

- (EMP) ENVIRONMENTAL MANAGEMENT PROGRAMME 2012-2015

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BPJSS

**ENVIRONMENTAL MANAGEMENT
PLAN 2012 - 2015**

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Environmental Management Plan 2012 - 2015

The Environmental Management Program is summarized on the following tables.

<i>Program</i>	<i>Area / Category</i>	<i>Rationale</i>	<i>Details of Program</i>	<i>Responsible</i>	<i>Completion Status</i>
2012-1	Materials Handling/Storage/Bunding	Improved Environmental Management practices	Reduction of Fuel tank requirement on site from 3 tanks to 2. Replacement of Bund material and integrity testing carried out on Fixed bun No. 2	J.James / Eng	100%
2012-2	Noise Reduction	Reduction in Environmental Noise / Maintain compliant levels of environmental noise.	<ol style="list-style-type: none"> 1. Removal of open circuit cooling tower system in 2012. Replacement with enclosed circuit system . 2. Roof mounted Fan System <ul style="list-style-type: none"> - reduce power motors from 3 to 1, --intermittant powering of fan system as opposed to continuous use. 3. Restructuring of monitoring locations due to changes in local environment. Agency agreement Oct 2010 noise monitoring points from 7 to 4. Removal of noise sensitive location (former occupied dwelling) now derelict building. Noise monitoring in 2012 compliant. 	J.James / Eng	100%
2012-3	Reduction in Water Consumption	Optimisation of Manufacturing Systems / Efficiency - Reduce Water consumption on site	Replacement of Open Recirculating Cooling System with a Closed Circuit System	J.James / Eng	100%

2012 - 2014	Reduction in Energy consumption	Optimisation of Manufacturing Systems / Efficiency - Reduce Process Energy Consumption	1. Energy efficient closed circuit cooling system 2. 7 off energy efficient Tempering Ovens BU3, BU1 3. Inverter drives installed to MIR Machines 10 % reduction in total energy consumption achieved from 2012 – 2014	J.James / Eng	70%
	Reduction in Energy consumption		Inverter drives installed to 14 off MIR Machines, 10 off Vertical Injection Machines	J.James / Eng	
2013	Reduction in Energy consumption		3 energy efficient Tempering Ovens BU3, BU1? 4 more in 2013	J.James / Eng	
2013	Reduction in Energy consumption		Intelligent Soft Starter unit for 12 off compression moulding machines – low cost unit to stop motor when machine is in cycle with no demand.	J.James / Eng	100%
2013			870 energy efficient fluorescent tubes and electronic starters recently ordered to replace T8 fittings in existing lamp fittings saving 50% energy.	J.James / Eng	100%
2014			New mould designs - for certain products to reduce cryogenic deflashing – pin gate injection.	Production Env. Eng	25%
2014			New Heat exchange air compressor unit to eliminate 3 off existing boiler units and fuel oil consumption on site	Env. Eng	25%

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2013 – 2014	Prevention of contamination of surface water – continuous improvement	Preventative Action - Compliance with Licence conditions	<ol style="list-style-type: none"> 1. Drain Integrity - CCTV survey of all process drains and Foul Sewer. Repair work carried out as specified on survey report 2. Mobile bunds 1- 25 – inclusion of all mobile bunds on site in Bund Inventory. Bund integrity testing carried out on fixed and mobile bunds on site. 3. Weekly bund inspection on all bunds listed, records maintained,. 	A.Garvey	100%
2014			<p>Review of EPA report on 2013 Bund Inspections.</p> <ol style="list-style-type: none"> 1. Review of bund emptying procedure to bring in line with ISO 2. Update bund Inventory to include maximum capacity per bund unit. 3. Display capacity information at point of use – maximum number of drums where applicable 	A.Garvey	80%
2014-1	EMS Documentation	Effectiveness	System major review	A.Garvey	10%
2013-2	EMS Reporting	Effectiveness and Efficiency	Review of contractors for quality of information / efficiency of work	A.Garvey	70%

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Sign/Date Anna Garvey Rev 4 22.09.14
Environmental Officer

Sign/Date _____
Engineering Manager

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