

7.0 Improvement programme

- 7.1** The Operator has satisfactorily completed the requirements specified in Table 7.1.1 of the original Permit, P01-SG6.

8.0 Interpretation

- 8.1. In this Permit, the following expressions shall have the following meanings:

Adhesive shall mean any preparation, including all the organic solvents or preparations containing organic solvents necessary for its proper application, which is used to adhere separate parts of a product;

Application of continuous film of coating shall mean the application of a film of coating to the surface of a substrate, by continuous methods such as dipping, spraying, air knife coating, application by roller etc, where no repeated pattern of breaks in the coating occur;

Authorised Officer means any person authorised by the Council under section 108(1) of The Environment Act 1995 to exercise, in accordance with the terms of any such authorisation, powers specified in Section 108(4) of that Act.

Coating shall mean any preparation, including all the organic solvents or preparations containing organic solvents necessary for its proper application, which is used to provide a decorative, protective or other functional effect on a surface;

Coating activity shall mean coating activity in which a single or multiple application of continuous film of a coating is applied. If the coating activity includes a step in which the same article is printed by whatever technique is used, that printing step is considered part of the coating activity;

Contained conditions shall mean conditions under which an installation is operated such that the VOCs released from the activity are collected and discharged in a controlled way either via a stack or abatement equipment and are therefore not entirely fugitive;

EP Regulations means the Environmental Permitting (England and Wales) Regulations 2010 (S.I. 2010 No. 675) and words and expressions defined in the EP Regulations shall have the same meanings when used in this Permit.

Food contact shall mean a coating which needs to comply with the requirements of the food safety legislation (the materials and articles in contact with food regulations) and is applied to packaging for food which may be consumed by humans or animals;

Fugitive VOC emissions shall mean any emissions not in waste gases of VOCs into air, soil and water as well as, unless otherwise stated in Annex IIA of the SED, solvents contained in any products. They include uncaptured emissions released to the outside environment via windows, doors, vents and similar openings;

Halogenated organic solvent shall mean an organic solvent which contains at least one atom of bromine, chlorine, fluorine or iodine per molecule;

Ink shall mean a preparation, including all the organic solvents or preparations containing organic solvents necessary for its proper application, which is used in a printing activity to impress text or images on to a surface;

Input shall mean the quantity of organic solvents and their quantity in preparations used when carrying out an activity, including the solvents recycled inside and outside the installation, and which are counted every time they are used to carry out the activity;

Installation shall have the same meaning as in the General Guidance Manual;

LAeq means the A-weighted equivalent continuous equal energy level (dBA)

Monitoring includes the taking and analysis of samples, instrumental measurements (periodic and continual), calibrations, examinations, tests and surveys.

Organic compound shall mean any compound containing at least the element carbon and one or more of hydrogen, halogens, oxygen, sulphur, phosphorus, silicon or nitrogen, with the exception of carbon oxides and inorganic carbonates and bicarbonates;

Organic solvent shall mean any VOC which is used alone or in combination with other agents, and without undergoing a chemical change, to dissolve raw materials, products or waste materials, or is used as a cleaning agent to dissolve contaminants, or as a dissolver, or as a dispersion medium, or as a viscosity adjuster, or as a surface tension adjuster, or a plasticiser, or as a preservative;

Oxidation shall mean either thermal oxidation or catalytic oxidation;

Oxidation plant means thermal or catalytic incineration plant;

Preparation shall mean mixtures or solutions composed of two or more substances;

Permitted Installation means the activities and the limits to those activities described in Table 1.1(a) of this Permit.

Printing activity shall mean any reproduction activity of text and/or images in which, with the use of an image carrier, ink is transferred onto whatever type of surface. Associated varnishing, coating, laminating techniques and cleaning of the equipment are included as part of the activity;

Regulator means High Peak Borough Council.

Reuse of organic solvents shall mean the use of organic solvents recovered from an installation for any technical or commercial purpose and including use as a fuel but excluding the final disposal of such recovered organic solvent as waste;

Risk Phrase shall mean the same as in Directive 67/548/EEC:

- ☐ R40 - limited evidence of a carcinogenic effect
- ☐ R45 - may cause cancer
- ☐ R46 - may cause heritable genetic damage
- ☐ R49 - may cause cancer by inhalation
- ☐ R60 - may impair fertility
- ☐ R61 - may cause harm to the unborn child
- ☐ R68 – possible risk of irreversible effects

Shortest possible time shall have the same meaning as in DEFRA Guidance on the Implementation of Solvent Emissions Directive (1999/13/EC) March 2002, as further explained in the General Guidance Manual, Chapter 34;

Staff includes employees, directors or other officers of the Operator, and any other person under the Operator's direct or indirect control, including contractors.

Site boundary shall have the same meaning as given in Annex 3 of the GGM;

Standard Conditions shall mean a temperature of 273.15 K and a pressure of 101.3 kPa;

Start-up and shutdown operations shall mean operations whilst bringing an activity, an equipment item or a tank into or out of service or into or out of an idling state. Regularly oscillating activity phases are not to be considered as start-ups and shut-downs;

Substances shall mean any chemical element and its compounds, as they occur in the natural state or as produced by industry, whether in solid, liquid or gaseous form;

Substances prescribed for water means those substances mentioned in paragraph 7 of Part 1 of Schedule 1 to the EP Regulations

Surface Cleaning shall mean any activity except dry cleaning using organic solvents to remove contamination from the surface of material including degreasing;

Technically connected shall have the same meaning as in the General Guidance Manual;

Varnish shall mean a transparent coating;

Volatile Organic Compound (VOC) shall mean any organic compound having at 293.15 K a vapour pressure of 0.01 kPa or more, or having a corresponding volatility under the particular conditions of use. For the purpose of the Solvents Directive, the fraction of creosote which exceeds this value of vapour pressure at 293.15 K shall be considered as a VOC;

VOC total emissions shall mean the sum of fugitive emissions and emissions in waste gases;

VOC waste gases shall mean the final gaseous discharge containing VOCs or other pollutants, from a stack or abatement equipment into air. The volumetric flow rates shall be expressed in Nm³/h at standard conditions.

Year means year ending 31 March.

8.2 Where a minimum limit is set for any emission parameter, references to "exceeding the limit" shall mean that the parameter shall not be less than that limit.

8.3 Unless otherwise stated, any references in this Permit to concentrations of substances in emissions into air means:

in relation to gases from combustion processes, the concentration in dry air at a temperature of 273.15K, at a pressure of 101.3 kPa and with an oxygen content of 3% dry for liquid and gaseous fuels, 6% dry for solid fuels; and/or

in relation to gases from non-combustion sources, the concentration at a temperature of 273.15K and at a pressure of 101.3 kPa, with no correction for water vapour content.

9.0 Written agreement to changes

- 9.1 When the qualification "or as otherwise agreed in writing" is used in a condition of this Permit, the operator shall seek such agreement in the following manner:
- 9.2 The Operator shall give the Regulator written notice of the details of the proposed change, indicating the relevant part(s) of this Permit; and
- 9.3 Such notice shall include an assessment of the possible effects of the proposed change (including waste production) on risks to the environment from the Permitted Installation.
- 9.4 Any change proposed according to condition 9.2, and agreed in writing by the Regulator, shall not be implemented until the operator has given the Regulator prior written notice of the implementation date for the change. As from that date, the operator shall operate the Permitted Installation in accordance with that change, and any relevant documentation referred to in this Permit shall be deemed to be amended.
- 9.5 Any modifications or replacement to any of the existing equipment as mentioned in the updated application for a Permit dated January 2004 and the variation application dated November 2010 shall be notified in writing to the Regulator as soon as reasonably practicable, but not later than one month before modification or replacement takes place. Emergency replacements or modification of equipment can be agreed verbally, at the time they occur. Verbal agreements made in an emergency will be confirmed in writing within three days by the operator, and subsequently by the Regulator.
- 9.6 Any change to the sequence of processing shall be reported to the Regulator at the earliest opportunity. This shall include:
- a) an increase in plant throughput;
 - b) any change in the nature of the raw materials;
 - c) any significant change in the operating conditions
 - d) a change of arrestment equipment design or construction.

- 9.7 The installation may not be utilised for any other process, other than that described in the updated Permit application dated January 2004, and the variation application dated November 2010 and this Permit, until and unless the Regulator has agreed in writing and the plant meets the current or future requirements of the Pollution Prevention and Control Act 1999, the Environmental Permitting (England and Wales) Regulations 2010 and Secretary of State's Sector Guidance Note SG6 (2011).

Schedule 1

Confirmation of condition 6.1.1 notifications, in accordance with condition 6.3.3

This Schedule outlines the information that the Operator must provide to the Regulator to satisfy condition 6.3.3 of this Permit.

Units of measurement used in information supplied under Part A and B requirements must be appropriate to the circumstances of the emission. Where appropriate, a comparison shall be made of actual emissions and authorised emission limits.

If any information is considered commercially confidential, it shall be separated from non-confidential information, supplied on a separate sheet and accompanied by an application for commercial confidentiality under the provisions of the EP Regulations.

Returns shall contain:

Part A

- ☐ Name of operator.
- ☐ Permit Number
- ☐ Location of Installation.
- ☐ Date information provided.
- ☐ Time, date and location of the emission.
- ☐ Identity and details of the substance[s] emitted to include:-
 - ☐ Best estimate of the quantity or the rate of emission, and the time during which the emission took place.
 - ☐ Environmental medium into which the emission took place.
 - ☐ Measures taken, or intended to be taken, to stop the emission.

Part B

- ☐ Any more accurate information on the matters notified under Part A.
- ☐ Measures taken, or intended to be taken, to prevent a recurrence of the incident.
- ☐ Measures taken, or intended to be taken, to rectify, limit or prevent any pollution of the environment or harm which has been or may be caused by the emission.
- ☐ The dates of any Part A notifications within in the previous 24 months.

☐ Name

☐ Post

☐ Signature

☐ Date

☐ Statement that the signatory is authorised to sign on behalf of Tann UK Limited

Schedule 2

Reporting of monitoring data

Parameters for which reports shall be made in accordance with conditions 3.1.1 of this Permit are listed below.

Table S2: Reporting of monitoring data

Parameter	Emission point	Reporting period	Period begins	Method
<i>Volatile Organic Compounds (contained emissions) mg m^{-3} (as carbon)</i>	05	<i>Every 12 months</i>	01/01/05	BS EN 13526
<i>Volatile Organic Compounds (fugitive emissions), % of solvent input</i>	N/a	<i>Every 12 months</i>	01/01/05	N/a
<i>Carbon Monoxide mg m^{-3}</i>	05	<i>Every 12 months</i>	01/01/05	BS EN 15058
<i>Oxides of nitrogen (as NO_2) mg m^{-3}</i>	05	<i>Every 12 months</i>	01/01/05	BS EN 14792
<i>Particulate matter (from laser exhaust) mg m^{-3}</i>	01	<i>Every 12 months</i>	01/01/05	BS EN 13284-1

END OF PERMIT

Appendix K: Zetica UXO Report