



Notice of variation and consolidation with introductory note

The Environmental Permitting (England & Wales) Regulations 2016

Wanzl Limited
Tibshelf Plating Works
Sawpit Lane
Tibshelf
Alfreton
Derbyshire
DE55 5NH

Variation application number

EPR/HP3244QD/V003

Permit number

EPR/HP3244QD

Tibshelf Plating Works

Permit number EPR/HP3244QD

Introductory note

This introductory note does not form a part of the notice

Under the Environmental Permitting (England & Wales) Regulations 2016 (schedule 5, part 1, paragraph 19) a variation may comprise a consolidated permit reflecting the variations and a notice specifying the variations included in that consolidated permit.

Schedule 1 of the notice specifies the conditions that have been varied and schedule 2 comprises a consolidated permit which reflects the variations being made. All the conditions of the permit have been varied and are subject to the right of appeal.

This variation is for the following purposes:

1. Addition of 2 ovens as a directly associated activity
2. Addition of external chemical storage area
3. Addition of jetwash as a directly associated activity
4. Increase in site boundary

The rest of the installation is unchanged and continues to be operated as follows:

Wanzl Limited operates a surface metal finishing operation at Tibshelf, Derbyshire occupying approximately 0.1 hectare. This involves 1 automatic plating line, with a treatment capacity in excess of 30m³ (50m³ approx.). The process line can undertake a number of similar processes which involve: Raw materials inputs, degreasing (cleaning), pickling, alkaline zinc plating, passivating and the application of top coats of water based lacquer applied dependent upon customer specifications. The site perimeter is surrounded by a number of industrial units where a variety of products are manufactured. The land use to the North of the installation is predominantly farmland bisected by the M1. To the South and East of the installation again the land use is predominantly farmland.

The degreasing operation prepares the metal surface for plating and involves hot alkaline cleaners (65-70°C) and surfactant. The cleaning tanks are heated by two gas fired internal Lanemark gas burners with a combined thermal input of 0.56MW and single emission point to air.

The degreasing ovens have a thermal input capacity of 0.4MW each with separate emission points to air. They utilise high temperatures to remove the lacquer and as much Zinc as possible from the original plated shopping trolley in preparation for re-plating.

Process chemicals are restricted to required volumes and stored either in the chemical storage area or within the processing areas. Waste chemicals are either collected in bulk and tankered off site for disposal/recycling or treated at the onsite effluent treatment plant. Effluent generated is collected via a sump and pumped to the effluent treatment plant (ETP). The effluent treatment process comprises of neutralisation (to pH 9), flocculation (addition of polyelectrolyte) and settlement (to remove suspended solids). The settled suspended solids are collected as sludge which is disposed of as waste. The site no longer uses Chromium (VI) in the process.

The Zinc Plating Treatment installation is drained to trade effluent via the collection sump and effluent plant. The drains currently run parallel to the warehouse and under the adjacent office and then link with the industrial estate mains. Surface water runoff and down spouts are collected in the surface water drain, which ultimately discharges to Westwood Brook.

Blackwell Brook is identified as a surface water run off receptor in the event of accidental spillage or incident. Beneath the site is a minor aquifer, with the underlying strata not being highly permeable. These two factors have been identified as highly significant with regard to potentially polluting pathway. However, adequate containment should reduce the risk of the source reaching the receptor.

The process areas located on an impervious concrete hard standing surface. Further containment includes bunds to minimise the risk of any potential pollution.

There are three emission sources to air but no significant releases from the installation processes.

There are no Sites of Special Scientific Interest (SSSI) within 2km of the site and there are no Special Areas of Conservation (SAC) or Special Protection Areas (SPA) within a 10km radius.

The schedules specify the changes made to the permit.

The status log of a permit sets out the permitting history, including any changes to the permit reference number.

| Status log of the permit | | |
|--|-------------------------|--|
| Description | Date | Comments |
| Application received CP3832PY | 10/08/2004 | Application for an installation to carry out surface treating metals and plastic materials using an electrolytic or chemical process. |
| Request to extend determination | 02/12/2004 | Determination extended till 31/01/2005 |
| Additional information received | 11/01/2005 | Response received for the RFI sent on 13/12/2004 regarding <ul style="list-style-type: none"> ETP pipeline installation boundary Confirmation of location of Lanemark emission stacks. |
| Request to extend determination | 02/02/2005 | Determination extended till 28/02/2005 |
| Additional information received | 28/02/2005 | Response received for the RFI sent on 17/01/2005 regarding <ul style="list-style-type: none"> Confirmation of destination of surface waters. |
| Request to extend determination | 10/03/2005 | Determination extended till 31/03/2005 |
| Permit determined CP3832PY | 31/03/2005 | Permit issued to Nottingham Zinc Group Ltd. |
| Application Transfer EPR/QP3431GV /T001 | Duly Made 01/04/2009 | Full transfer of permit EPR/CP3832PY |
| Transfer determined EPR/QP3431GV | 15/04/2009 | Permit transferred in full to Storetec Limited. |
| Application variation EPR/QP3431GV/V002 | Duly made 30/03/2017 | Application to vary the permit. |
| Additional information received | 19/05/2017 | Response to schedule 5 notice - H1 tool assessing emissions to sewer |
| Additional information received | 26/05/2017 | Response to schedule 5 notice confirming effluent treatment conforms to BAT. |
| Variation determined EPR/QP3431GV | 23/06/2017 | Varied permit issued. |
| Application transfer EPR/HP3244QD/T001 | Duly made 22/08/2022 | Application to transfer the permit in full to Wanzl Limited |
| Transfer determined EPR/HP3244QD | 03/10/2022 | Permit transferred in full to Wanzl Limited. |
| Application EPR/HP3244QD/V003 (variation and consolidation) | Duly made 02/10/2024 | Application to vary and update the permit to modern conditions. |
| Additional information received | 13/11/2024 | Additional information on emissions points and Lanemark burner received along with updated site plan. |

| Status log of the permit | | |
|---|-------------|---|
| Description | Date | Comments |
| | 04/12/2024 | Additional information received related to surface run-off. |
| | 16/12/2024 | Updated site plan received. |
| Variation determined EPR/HP3244QD/V003 | 20/12/2024 | Varied and consolidated permit issued to Wanzl Limited. |

End of introductory note

Notice of variation and consolidation

The Environmental Permitting (England and Wales) Regulations 2016

The Environment Agency in exercise of its powers under regulation 20 of the Environmental Permitting (England and Wales) Regulations 2016 varies

Permit number

EPR/HP3244QD

Issued to

Wanzl Limited (“the operator”)

whose registered office is

Europa House

Heathcote Lane

Warwick

CV34 6SP

company registration number 01403566

to operate a regulated facility at

Tibshelf Plating Works

Sawpit Lane

Tibshelf

Alfreton

Derbyshire

DE55 5NH

to the extent set out in the schedules.

The notice shall take effect from 20/12/2024.

| Name | Date |
|---------------|------------|
| Sandra Cavill | 20/12/2024 |

Authorised on behalf of the Environment Agency

Schedule 1

All conditions have been varied by the consolidated permit as a result of the application made by the operator.

Schedule 2 – consolidated permit

Consolidated permit issued as a separate document.

Permit

The Environmental Permitting (England and Wales) Regulations 2016

Permit number

EPR/HP3244QD

This is the consolidated permit referred to in the variation and consolidation notice for application EPR/HP3244QD/V003 authorising,

Wanzl Limited (“the operator”),

whose registered office is

**Europa House
Heathcote Lane
Warwick
CV34 6SP**

company registration number 01403566

to operate an installation at

**Tibshelf Plating Works
Sawpit Lane
Tibshelf
Alfreton
Derbyshire
DE55 5NH**

to the extent authorised by and subject to the conditions of this permit.

| Name | Date |
|----------------------|-------------------|
| Sandra Cavill | 20/12/2024 |

Authorised on behalf of the Environment Agency

Conditions

1 Management

1.1 General management

1.1.1 The operator shall manage and operate the activities:

- (a) in accordance with a written management system that identifies and minimises risks of pollution, including those arising from operations, maintenance, accidents, incidents, non-conformances, closure and those drawn to the attention of the operator as a result of complaints; and
- (b) using sufficient competent persons and resources.

1.1.2 Records demonstrating compliance with condition 1.1.1 shall be maintained.

1.1.3 Any person having duties that are or may be affected by the matters set out in this permit shall have convenient access to a copy of it kept at or near the place where those duties are carried out.

1.2 Energy efficiency

1.2.1 The operator shall:

- (a) take appropriate measures to ensure that energy is used efficiently in the activities;
- (b) review and record at least every four years whether there are suitable opportunities to improve the energy efficiency of the activities; and
- (c) take any further appropriate measures identified by a review.

1.3 Efficient use of raw materials

1.3.1 The operator shall:

- (a) take appropriate measures to ensure that raw materials and water are used efficiently in the activities;
- (b) maintain records of raw materials and water used in the activities;
- (c) review and record at least every four years whether there are suitable alternative materials that could reduce environmental impact or opportunities to improve the efficiency of raw material and water use; and
- (d) take any further appropriate measures identified by a review.

1.4 Avoidance, recovery and disposal of wastes produced by the activities

1.4.1 The operator shall take appropriate measures to ensure that:

- (a) the waste hierarchy referred to in Article 4 of the Waste Framework Directive is applied to the generation of waste by the activities; and
- (b) any waste generated by the activities is treated in accordance with the waste hierarchy referred to in Article 4 of the Waste Framework Directive; and
- (c) where disposal is necessary, this is undertaken in a manner which minimises its impact on the environment.

- 1.4.2 The operator shall review and record at least every four years whether changes to those measures should be made and take any further appropriate measures identified by a review.

2 Operations

2.1 Permitted activities

- 2.1.1 The operator is only authorised to carry out the activities specified in schedule 1 table S1.1 (the "activities").

2.2 The site

- 2.2.1 The activities shall not extend beyond the site, being the land shown edged in red on the site plan at schedule 7 to this permit.

2.3 Operating techniques

- 2.3.1 The activities shall, subject to the conditions of this permit, be operated using the techniques and in the manner described in the documentation specified in schedule 1, table S1.2, unless otherwise agreed in writing by the Environment Agency.
- 2.3.2 If notified by the Environment Agency that the activities are giving rise to pollution, the operator shall submit to the Environment Agency for approval within the period specified, a revision of any plan or other documentation ("plan") specified in schedule 1, table S1.2 or otherwise required under this permit which identifies and minimises the risks of pollution relevant to that plan, and shall implement the approved revised plan in place of the original from the date of approval, unless otherwise agreed in writing by the Environment Agency.
- 2.3.3 Any raw materials or fuels listed in schedule 2 table S2.1 shall conform to the specifications set out in that table.
- 2.3.4 The operator shall ensure that where waste produced by the activities is sent to a relevant waste operation, that operation is provided with the following information, prior to the receipt of the waste:
- (a) the nature of the process producing the waste;
 - (b) the composition of the waste;
 - (c) the handling requirements of the waste;
 - (d) the hazardous property associated with the waste, if applicable; and
 - (e) the waste code of the waste.
- 2.3.5 The operator shall ensure that where waste produced by the activities is sent to a landfill site, it meets the waste acceptance criteria for that landfill.

2.4 Improvement programme

- 2.4.1 The operator shall complete the improvements specified in schedule 1 table S1.3 by the date specified in that table unless otherwise agreed in writing by the Environment Agency.
- 2.4.2 Except in the case of an improvement which consists only of a submission to the Environment Agency, the operator shall notify the Environment Agency within 14 days of completion of each improvement.

3 Emissions and monitoring

3.1 Emissions to water, air or land

- 3.1.1 There shall be no point source emissions to water, air or land except from the sources and emission points listed in schedule 3 tables S3.1 and S3.2.
- 3.1.2 The limits given in schedule 3 shall not be exceeded.
- 3.1.3 Periodic monitoring shall be carried out at least once every 5 years for groundwater and 10 years for soil, unless such monitoring is based on a systematic appraisal of the risk of contamination.

3.2 Emissions of substances not controlled by emission limits

- 3.2.1 Emissions of substances not controlled by emission limits (excluding odour) shall not cause pollution. The operator shall not be taken to have breached this condition if appropriate measures, including, but not limited to, those specified in any approved emissions management plan, have been taken to prevent or where that is not practicable, to minimise, those emissions.
- 3.2.2 The operator shall:
- (a) if notified by the Environment Agency that the activities are giving rise to pollution, submit to the Environment Agency for approval within the period specified, an emissions management plan which identifies and minimises the risks of pollution from emissions of substances not controlled by emission limits;
 - (b) implement the approved emissions management plan, from the date of approval, unless otherwise agreed in writing by the Environment Agency.
- 3.2.3 All liquids in containers, whose emission to water or land could cause pollution, shall be provided with secondary containment, unless the operator has used other appropriate measures to prevent or where that is not practicable, to minimise, leakage and spillage from the primary container.

3.3 Odour

- 3.3.1 Emissions from the activities shall be free from odour at levels likely to cause pollution outside the site, as perceived by an authorised officer of the Environment Agency, unless the operator has used appropriate measures, including, but not limited to, those specified in any approved odour management plan, to prevent or where that is not practicable to minimise the odour.
- 3.3.2 The operator shall:
- (a) if notified by the Environment Agency that the activities are giving rise to pollution outside the site due to odour, submit to the Environment Agency for approval within the period specified, an odour management plan which identifies and minimises the risks of pollution from odour;
 - (b) implement the approved odour management plan, from the date of approval, unless otherwise agreed in writing by the Environment Agency.

3.4 Noise and vibration

- 3.4.1 Emissions from the activities shall be free from noise and vibration at levels likely to cause pollution outside the site, as perceived by an authorised officer of the Environment Agency, unless the operator has used appropriate measures, including, but not limited to, those specified in any approved noise and vibration management plan to prevent or where that is not practicable to minimise the noise and vibration.
- 3.4.2 The operator shall:

- (a) if notified by the Environment Agency that the activities are giving rise to pollution outside the site due to noise and vibration, submit to the Environment Agency for approval within the period specified, a noise and vibration management plan which identifies and minimises the risks of pollution from noise and vibration;
- (b) implement the approved noise and vibration management plan, from the date of approval, unless otherwise agreed in writing by the Environment Agency.

3.5 Monitoring

- 3.5.1 The operator shall, unless otherwise agreed in writing by the Environment Agency, undertake the monitoring specified in the following tables in schedule 3 to this permit:
 - (a) point source emissions specified in table S3.2
- 3.5.2 The operator shall maintain records of all monitoring required by this permit including records of the taking and analysis of samples, instrument measurements (periodic and continual), calibrations, examinations, tests and surveys and any assessment or evaluation made on the basis of such data.
- 3.5.3 Monitoring equipment, techniques, personnel and organisations employed for the emissions monitoring programme and the environmental or other monitoring specified in condition 3.5.1 shall have either MCERTS certification or MCERTS accreditation (as appropriate), where available, unless otherwise agreed in writing by the Environment Agency.
- 3.5.4 Permanent means of access shall be provided to enable sampling/monitoring to be carried out in relation to the emission points specified in schedule 3 table S3.2 unless otherwise agreed in writing by the Environment Agency.

4 Information

4.1 Records

- 4.1.1 All records required to be made by this permit shall:
 - (a) be legible;
 - (b) be made as soon as reasonably practicable;
 - (c) if amended, be amended in such a way that the original and any subsequent amendments remain legible, or are capable of retrieval; and
 - (d) be retained, unless otherwise agreed in writing by the Environment Agency, for at least 6 years from the date when the records were made, or in the case of the following records until permit surrender:
 - (i) off-site environmental effects; and
 - (ii) matters which affect the condition of the land and groundwater.
- 4.1.2 The operator shall keep on site all records, plans and the management system required to be maintained by this permit, unless otherwise agreed in writing by the Environment Agency.

4.2 Reporting

- 4.2.1 The operator shall send all reports and notifications required by the permit to the Environment Agency using the contact details supplied in writing by the Environment Agency.
- 4.2.2 A report or reports on the performance of the activities over the previous year shall be submitted to the Environment Agency by 31 January (or other date agreed in writing by the Environment Agency) each year. The report(s) shall include as a minimum:

- (a) a review of the results of the monitoring and assessment carried out in accordance with the permit including an interpretive review of that data;
- (b) the annual production/treatment data set out in schedule 4 table S4.2; and
- (c) the performance parameters set out in schedule 4 table S4.3 using the forms specified in table S4.4 of that schedule.

4.2.3 Within 28 days of the end of the reporting period the operator shall, unless otherwise agreed in writing by the Environment Agency, submit reports of the monitoring and assessment carried out in accordance with the conditions of this permit, as follows:

- (a) in respect of the parameters and emission points specified in schedule 4 table S4.1;
- (b) for the reporting periods specified in schedule 4 table S4.1 and using the forms specified in schedule 4 table S4.4; and
- (c) giving the information from such results and assessments as may be required by the forms specified in those tables.

4.2.4 The operator shall, unless notice under this condition has been served within the preceding four years, submit to the Environment Agency, within six months of receipt of a written notice, a report assessing whether there are other appropriate measures that could be taken to prevent, or where that is not practicable, to minimise pollution.

4.3 Notifications

4.3.1 In the event:

- (a) that the operation of the activities gives rise to an incident or accident which significantly affects or may significantly affect the environment, the operator must immediately—
 - (i) inform the Environment Agency,
 - (ii) take the measures necessary to limit the environmental consequences of such an incident or accident, and
 - (iii) take the measures necessary to prevent further possible incidents or accidents;
- (b) of a breach of any permit condition the operator must immediately—
 - (i) inform the Environment Agency, and
 - (ii) take the measures necessary to ensure that compliance is restored within the shortest possible time;
- (c) of a breach of permit condition which poses an immediate danger to human health or threatens to cause an immediate significant adverse effect on the environment, the operator must immediately suspend the operation of the activities or the relevant part of it until compliance with the permit conditions has been restored.

4.3.2 Any information provided under condition 4.3.1 shall be confirmed by sending the information listed in schedule 5 to this permit within the time period specified in that schedule.

4.3.3 Where the Environment Agency has requested in writing that it shall be notified when the operator is to undertake monitoring and/or spot sampling, the operator shall inform the Environment Agency when the relevant monitoring and/or spot sampling is to take place. The operator shall provide this information to the Environment Agency at least 14 days before the date the monitoring is to be undertaken.

4.3.4 The Environment Agency shall be notified within 14 days of the occurrence of the following matters, except where such disclosure is prohibited by Stock Exchange rules:

Where the operator is a registered company:

- (a) any change in the operator's trading name, registered name or registered office address; and
- (b) any steps taken with a view to the operator going into administration, entering into a company voluntary arrangement or being wound up.

Where the operator is a corporate body other than a registered company:

- (a) any change in the operator's name or address; and
- (b) any steps taken with a view to the dissolution of the operator.

In any other case:

- (a) the death of any of the named operators (where the operator consists of more than one named individual);
- (b) any change in the operator's name(s) or address(es); and
- (c) any steps taken with a view to the operator, or any one of them, going into bankruptcy, entering into a composition or arrangement with creditors, or, in the case of them being in a partnership, dissolving the partnership.

4.3.5 Where the operator proposes to make a change in the nature or functioning, or an extension of the activities, which may have consequences for the environment and the change is not otherwise the subject of an application for approval under the Regulations or this permit:

- (a) the Environment Agency shall be notified at least 14 days before making the change; and
- (b) the notification shall contain a description of the proposed change in operation.

4.3.6 The Environment Agency shall be given at least 14 days' notice before implementation of any part of the site closure plan.

4.3.7 Where the operator has entered into a climate change agreement with the Government, the Environment Agency shall be notified within one month of:

- (a) a decision by the Secretary of State not to re-certify the agreement;
- (b) a decision by either the operator or the Secretary of State to terminate the agreement; and
- (c) any subsequent decision by the Secretary of State to re-certify such an agreement.

4.4 Interpretation

4.4.1 In this permit the expressions listed in schedule 6 shall have the meaning given in that schedule.

4.4.2 In this permit references to reports and notifications mean written reports and notifications, except where reference is made to notification being made "immediately", in which case it may be provided by telephone.

Schedule 1 – Operations

| Table S1.1 activities | | | |
|-------------------------------------|--|--|---|
| Activity reference | Activity listed in Schedule 1 of the EP Regulations | Description of specified activity | Limits of specified activity |
| AR1 | Section 2.3 Part A(1)(a): Surface treating metals and plastic materials using an electrolytic or chemical process where the aggregated volume of the treatment vats is more than 30m ³ . | Electroplating, degreasing, pickling and alkaline zinc plating. | Receipt of raw materials to despatch of finished product and transfer of waste off-site or to effluent treatment plant. One process line with a treatment capacity in excess of 30m ³ (50m ³ total volume). Degreasing operation to prepare the metal surface for plating and involves hot alkaline cleaners and surfactants. The cleaners are heated by two gas fired internal Lanemark gas burners with a combined thermal input of 0.56MW. |
| Directly Associated Activity | | | |
| AR2 | Ovens to remove surface contamination | The ovens are used to remove the lacquer and zinc from the original plated shopping trolley in preparation for re-plating. | Receipt of raw materials after removal of accessories and repairs, removal of lacquer and zinc followed by jetwash to prepare for surface treatment. Oven 1 - 0.4MWth Oven 2 - 0.4MWth These ovens are fired on natural gas |
| AR3 | Effluent Treatment Plant | Process comprises of neutralisation (to pH 9), flocculation (addition of polyelectrolyte) and settlement (to remove suspended solids). | From receipt of effluent generated from process and jetwash to treatment and disposal via foul sewer to <u>Westwood Brook or recycling/disposal off-site.</u> |
| AR4 | Cleaning process | Cleaning of degreased raw materials by jetwash. | From receipt of degreased raw materials to jetwash without using detergents/surfactants and prepared for surface treatment. |
| AR5 | Chemical Storage | Storage of raw materials in IBCs, drums | For use within production process. |
| AR6 | Waste storage | Spent treatment chemicals etc | Storage of process waste chemicals collected in bulk and either tankered off site for disposal/recovery or treated as effluent. |

| Table S1.2 Operating techniques | | |
|--|--|-------------------------|
| Description | Parts | Date Received |
| Application | <ul style="list-style-type: none"> The response to questions 2.1 and 2.2 given in process controls section B2.1.1 pages 9 and 10 of the application. Site Protection and Monitoring Programme | 30/07/2004 |
| Application | <ul style="list-style-type: none"> Best Available Techniques Assessment – PG2/09(13) Best Available Techniques Assessment – EPR 2.07 Recommendations under Section 4 of the document Containment assessment Section 10.2 (page 24) Recommendations of the Site Condition Report Site specific risk assessment addressed in the documents – Chemical storage and Jetwash | Duly made 02/10/2024 |

| Table S1.3 Improvement programme requirements | | |
|--|--|-------------|
| Reference | Requirement | Date |
| IC1 | The Operator shall submit a written report to the Agency detailing the proposed bunding improvements to the process areas, effluent treatment plant, chemical storage areas and waste storage areas as identified in the application. The report shall demonstrate how the requirements of section 2.2.5 of the Surface Treatment Sector Guidance Note IPPC S2.07 have been addressed by the proposals and shall include a confirmed timetable for completion of the works. | Complete |
| IC2 | The Operator shall review the techniques described in sector guidance note IPPC S2.07 for the reduction of releases of heavy metals at source and for water conservation. A report shall be prepared which reviews the feasibility of applying such techniques to the permitted installation and proposes a programme of improvements with an implementation timetable for the agreement of the Agency. | Complete |
| IC3 | The Operator shall investigate the replacement of chromium plating from hexavalent electrolyte with a trivalent process for decorative uses. In particular in the case of Chromium (VI) being used for decorative coating service levels 1 & 2, the report shall detail how alternatives shall be used by the end of 2006. A written report shall be submitted to the Agency together with a timetable for implementing process changes should a suitable alternative be identified. | Complete |
| IC4 | The Operator shall review options available for installing a calibrated integrated flow meter and a pH meter at release point S1. A written report shall be submitted to the Agency summarising options available and detailing the preferred option which is to be installed by 31/12/2005. | Complete |
| IC5 | The Operator shall develop and implement an intensive monitoring programme for 3 months to characterise the typical composition of effluent discharged into sewer. The Operator shall have regard to Section 2.2.2 and 2.10 of the Agency's Section Guidance Note IPPC S2.07 and Agency M18 Guidance Note: Monitoring of discharges to water and sewer. Prior to commencement of the monitoring, the programme and associated methodologies shall be agreed in writing with the Agency. A full report detailing the monitoring undertaken and the results obtained shall be submitted to the Agency by the due date. | Complete |

| Table S1.3 Improvement programme requirements | | |
|--|---|-------------|
| Reference | Requirement | Date |
| IC6 | The Operator shall install a Filter press on their effluent treatment plant paying due regard to section 2.6 Surface Sector Guidance Note IPPC S2.07. The Operator shall submit a written report to the Agency detailing all available options and a timetable for the completion of works. | Complete |

Schedule 2 – Waste types, raw materials and fuels

| Table S2.1 Raw materials and fuels | |
|------------------------------------|---------------|
| Raw materials and fuel description | Specification |
| - | - |

Schedule 3 – Emissions and monitoring

| Emission point ref. & location | Source | Parameter | Limit (including unit) | Reference period | Monitoring frequency | Monitoring standard or method |
|--|---|--|------------------------|------------------|----------------------|-------------------------------|
| A1 [Point A1 on site plan in Schedule 7] | Lanemark gas burners 2 burners sharing single emission point | Oxides of nitrogen | - | - | - | - |
| | | Carbon monoxide | - | - | - | - |
| A2 [Point A2 on site plan in Schedule 7] | Oven 1 | VOCs | No limit set | - | - | - |
| | | Particulate Matter (PM ₁₀) | No limit set | - | - | - |
| | | Hydrogen Chloride | No limit set | - | - | - |
| A3 [Point A3 on site plan in Schedule 7] | Oven 2 | VOCs | No limit set | - | - | - |
| | | Particulate Matter (PM ₁₀) | No limit set | - | - | - |
| | | Hydrogen Chloride | No limit set | - | - | - |

| Emission point ref. & location | Source | Parameter | Limit (incl. Unit) | Reference period | Monitoring frequency | Monitoring standard or method |
|---|------------------------------|---------------------|--------------------|------------------|----------------------|-------------------------------|
| S1 on site plan in schedule 7 emission to Severn Trent PLC Foul sewer | Effluent treatment plant | Total Chromium (Cr) | 1mg/l | Periodic | Monthly | ICP-MS |
| S1 on site plan in schedule 7 emission to Severn Trent PLC Foul sewer | Effluent treatment plant | Total Zinc (Zn) | 2mg/l | Periodic | Monthly | ICP-MS |
| W1 on site plan in schedule 7 emission of uncontaminated surface water to Westwood Brook. | Uncontaminated surface water | No parameters set | - | - | - | - |

Schedule 4 – Reporting

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

| Table S4.1 Reporting of monitoring data | | | |
|--|---|-------------------------|----------------------|
| Parameter | Emission or monitoring point/reference | Reporting period | Period begins |
| Point source emissions to sewer Parameters as required by condition 3.5.1 | S1 | Every 6 months | 1 January |

| Table S4.2: Annual production/treatment | |
|--|--------------|
| Parameter | Units |
| N/A | - |

| Table S4.3 Performance parameters | | |
|--|--------------------------------|----------------------------|
| Parameter | Frequency of assessment | Units |
| Water usage | Annually | m ³ |
| Energy usage | Annually | MWh |
| Waste disposal and/or recovery | Annually | tonnes per production unit |

| Table S4.4 Reporting forms | | |
|-----------------------------------|---|-------------------------------------|
| Parameter | Reporting form | Form version number and date |
| Point source emissions to sewer | Emissions to Sewer Reporting Form, or other form as agreed in writing by the Environment Agency | Version 1, 08/03/2021 |
| Water usage | Water Usage Reporting Form, or other form as agreed in writing by the Environment Agency | Version 1, 08/03/2021 |
| Energy usage | Energy Usage Reporting Form, or other form as agreed in writing by the Environment Agency | Version 1, 08/03/2021 |
| Other performance parameters | Other Performance Parameters Reporting Form, or other form as agreed in writing by the Environment Agency | Version 1, 08/03/2021 |

Schedule 5 – Notification

These pages outline the information that the operator must provide.

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

If any information is considered commercially confidential, it should 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.

Part A

| | |
|--------------------------------|--|
| Permit Number | |
| Name of operator | |
| Location of Facility | |
| Time and date of the detection | |

| | |
|---|--|
| (a) Notification requirements for any malfunction, breakdown or failure of equipment or techniques, accident, or emission of a substance not controlled by an emission limit which has caused, is causing or may cause significant pollution | |
| To be notified within 24 hours of detection | |
| Date and time of the event | |
| Reference or description of the location of the event | |
| Description of where any release into the environment took place | |
| Substances(s) potentially released | |
| Best estimate of the quantity or rate of release of substances | |
| Measures taken, or intended to be taken, to stop any emission | |
| Description of the failure or accident. | |

| | |
|---|--|
| (b) Notification requirements for the breach of a limit | |
| To be notified within 24 hours of detection unless otherwise specified below | |
| Emission point reference/ source | |
| Parameter(s) | |
| Limit | |
| Measured value and uncertainty | |
| Date and time of monitoring | |

| | |
|---|--|
| (b) Notification requirements for the breach of a limit | |
| To be notified within 24 hours of detection unless otherwise specified below | |
| Measures taken, or intended to be taken, to stop the emission | |

| | |
|---|----------------------------|
| Time periods for notification following detection of a breach of a limit | |
| Parameter | Notification period |
| | |
| | |
| | |

| | |
|--|--|
| (c) Notification requirements for the breach of permit conditions not related to limits | |
| To be notified within 24 hours of detection | |
| Condition breached | |
| Date, time and duration of breach | |
| Details of the permit breach i.e. what happened including impacts observed. | |
| Measures taken, or intended to be taken, to restore permit compliance. | |

| | |
|--|--|
| (d) Notification requirements for the detection of any significant adverse environmental effect | |
| To be notified within 24 hours of detection | |
| Description of where the effect on the environment was detected | |
| Substances(s) detected | |
| Concentrations of substances detected | |
| Date of monitoring/sampling | |

Part B – to be submitted as soon as practicable

| | |
|--|--|
| Any more accurate information on the matters for notification under Part A. | |
| Measures taken, or intended to be taken, to prevent a recurrence of the incident | |

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| Measures taken, or intended to be taken, to rectify, limit or prevent any pollution of the environment which has been or may be caused by the emission | |
| The dates of any unauthorised emissions from the facility in the preceding 24 months. | |

| | |
|-----------|--|
| Name* | |
| Post | |
| Signature | |
| Date | |

* authorised to sign on behalf of the operator

Schedule 6 – Interpretation

“accident” means an accident that may result in pollution.

“application” means the application for this permit, together with any additional information supplied by the operator as part of the application and any response to a notice served under Schedule 5 to the EP Regulations.

“authorised officer” means any person authorised by the Environment Agency under section 108(1) of The Environment Act 1995 to exercise, in accordance with the terms of any such authorisation, any power specified in section 108(4) of that Act.

“disposal” means any of the operations provided for in Annex I to the Waste Framework Directive.

“emissions to land” includes emissions to groundwater.

“EP Regulations” means The Environmental Permitting (England and Wales) Regulations SI 2016 No.1154 and words and expressions used in this permit which are also used in the Regulations have the same meanings as in those Regulations.

“emissions of substances not controlled by emission limits” means emissions of substances to air, water or land from the activities, either from the emission points specified in schedule 3 or from other localised or diffuse sources, which are not controlled by an emission limit.

“groundwater” means all water, which is below the surface of the ground in the saturation zone and in direct contact with the ground or subsoil.

“Hazardous property” has the meaning in Annex III of the Waste Framework Directive.

“Hazardous waste” has the meaning given in the Hazardous Waste (England and Wales) Regulations 2005.

“Industrial Emissions Directive” means DIRECTIVE 2010/75/EU OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 24 November 2010 on industrial emissions, as read in accordance with Schedule 1A to the Environmental Permitting (England and Wales) Regulations 2016.

“MCERTS” means the Environment Agency’s Monitoring Certification Scheme.

“quarter” means a calendar year quarter commencing on 1 January, 1 April, 1 July or 1 October.

“recovery” means any of the operations provided for in Annex II to the Waste Framework Directive.

“Waste Framework Directive” or “WFD” means Waste Framework Directive 2008/98/EC of the European Parliament and of the Council on waste, as read in accordance with Schedule 1A to the Environmental Permitting (England and Wales) Regulations 2016.

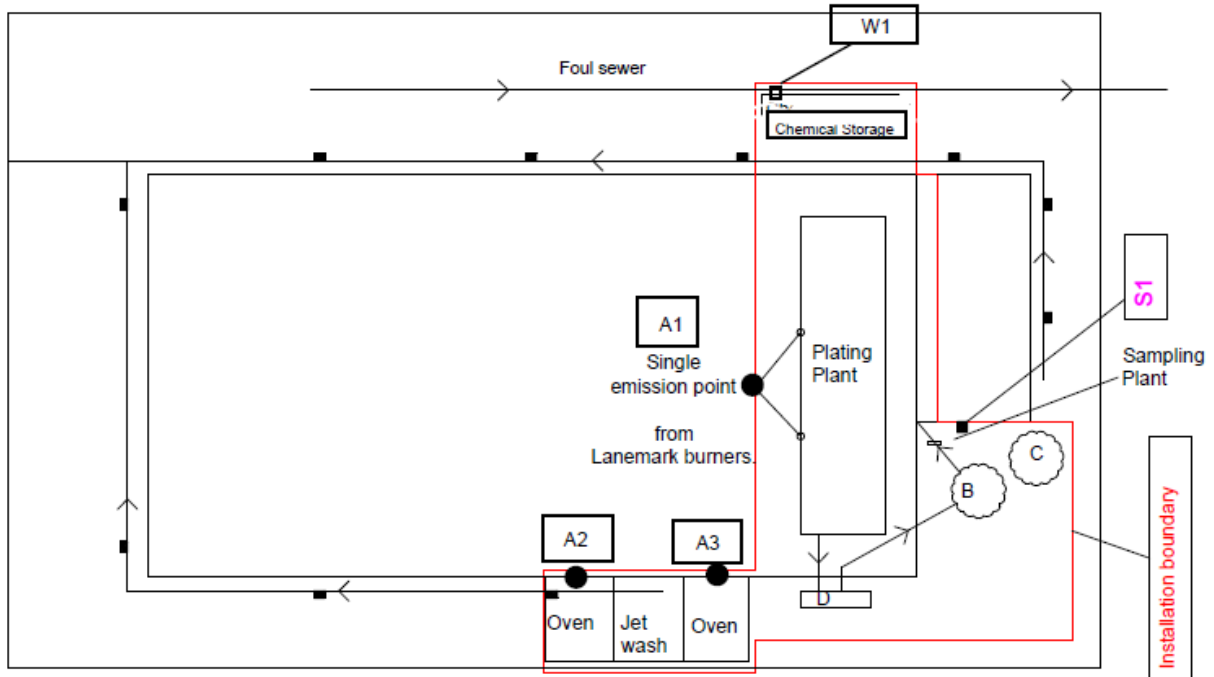
Where a minimum limit is set for any emission parameter, for example pH, reference to exceeding the limit shall mean that the parameter shall not be less than that limit.

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

- in relation to emissions from combustion processes, the concentration in dry air at a temperature of 273K, at a pressure of 101.3 kPa and with an oxygen content of 3% dry for liquid and gaseous fuels other than gas engines or gas turbines, 6% dry for solid fuels; and/or
- in relation to emissions from gas engines or gas turbines, the concentration in dry air at a temperature of 273K, at a pressure of 101.3 kPa and with an oxygen content of 15% dry for liquid and gaseous fuels ; and/or
- in relation to emissions from non-combustion sources, the concentration at a temperature of 273K and at a pressure of 101.3 kPa, with no correction for water vapour content “year” means calendar year ending 31 December.

Schedule 7 – Site plan

SITE PLAN FOR TIBSHELF INCLUDING EMISSION POINTS TO AIR AND WATER



- S1. Effluent Sampling Point
- W1 Uncontaminated surface water drain
- B. SETTLEMENT TOWER.
- C. SLUDGE TANK.
- D. SUMP
- A2, A3 Emission points to air from ovens
- A1 Emission point to air or extraction from Lanemark burners one stack only two meters above factory roof.
- SURFACE WATER DRAINS WITH DROP PIPES FROM ROOF GUTTERS.
- Emission points to air

END OF PERMIT

Signed: *[Name]*

Date: *[DD/MM/YY]*

(Authorised to sign as representative of the operator)

Guidance for use: Use this form to report your monitoring results.

Example text is shown in bracketed grey italics. Replace the example text by entering your own site specific information. Complete columns 1 to 5 using the information from schedule 3 of your permit. Complete columns 6 to 8 with your monitoring data. Add additional rows as necessary.

- ¹ Where an internationally recognised standard test method is used, give the reference number. Where another method that has been formally agreed with the Environment Agency, give the appropriate identifier. In other cases state the principal technique, for example gas chromatography.
- ² Give the result as 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, give the result as the 'minimum to maximum' of the measured values.
- ³ For non-continuous measurements give the date and time of the sample that produced the result. For continuous measurements give the percentage of the process operating time covered by the result.
- ⁴ Complete if the uncertainty associated with the result is not a 95% confidence interval. Leave blank for 95% confidence intervals.

Water Usage Reporting Form

Permit number: EPR/HP3244QD

Operator: Wanzl Limited

Facility name: Tibshelf Plating Works

Water Usage Reporting Form: version 1, 08/03/2021

Reporting of water usage for the year [YYYY]

| Water source | Water usage (m ³) | Specific water usage (m ³ /unit) ² |
|---|--|---|
| Mains water | <i>[insert annual usage in m³ where mains water is used]</i> | <i>[insert annual usage in m³/unit where mains water is used]</i> |
| Site borehole | <i>[insert annual usage in m³ where water is used from a site borehole]</i> | <i>[insert annual usage in m³/unit where water is used from a site borehole]</i> |
| River abstraction | <i>[insert annual usage in m³ where abstracted river water is used]</i> | <i>[insert annual usage in m³/unit where abstracted river water is used]</i> |
| Other – <i>[specify other water source where applicable. Add extra rows where needed]</i> | <i>[insert annual usage in m³ where applicable]</i> | <i>[insert annual usage in m³/unit where applicable]</i> |
| Total water usage | <i>[insert total annual water usage in m³]</i> | <i>[insert total annual water usage in m³/unit]</i> |

Operator's comments

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Signed: *[Name]*

Date: *[DD/MM/YY]*

(Authorised to sign as representative of the operator)

Guidance for use: Use this form to report your annual water usage.

Example text is shown in bracketed grey italics. Replace the example text by entering your own site specific information. Add additional rows as necessary.

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Energy Usage Reporting Form

Permit number: EPR/HP3244QD

Operator: Wanzl Limited

Facility name: Tibshelf Plating Works

Energy Usage Reporting Form: version 1, 08/03/2021

Reporting of energy usage for the year [YYYY]

| Energy source | Energy consumption / production (MWh) | Specific energy consumption (MWh/unit) ² |
|---|---|--|
| Electricity imported as delivered - source [specify source, e.g. supplied from the national grid] | <i>[insert annual consumption in MWh where electricity is imported]</i> | <i>[insert annual consumption in MWh/unit where electricity is imported]</i> |
| Electricity imported as primary energy 1 – conversion factor of [specify conversion factor used to convert electricity delivered to primary energy] | <i>[insert annual consumption in MWh where electricity is imported]</i> | <i>[insert annual consumption in MWh/unit where electricity is imported]</i> |
| Natural gas | <i>[insert annual consumption in MWh where natural gas is used]</i> | <i>[insert annual consumption in MWh/unit where natural gas is used]</i> |
| Gas oil – conversion factor of [specify conversion factor used to convert tonnes to MWh] | <i>[insert annual consumption in MWh where gas oil is used]</i> | <i>[insert annual consumption in MWh/unit where gas oil is used]</i> |
| Imported heat | <i>[insert annual consumption in MWh where heat is imported]</i> | <i>[insert annual consumption in MWh/unit where heat is imported]</i> |
| Other – <i>[specify other energy source and conversion factors where applicable, e.g. renewable fuel. Add extra rows where needed]</i> | <i>[insert annual consumption in MWh where applicable]</i> | <i>[insert annual consumption in MWh/unit where applicable]</i> |
| Electricity exported | <i>[insert annual production in MWh where electricity is exported]</i> | Not applicable |
| Heat exported | <i>[insert annual production in MWh where heat is exported]</i> | Not applicable |

| |
|--|
| Operator's comments |
| |

Signed: *[Name]*

Date: *[DD/MM/YY]*

(Authorised to sign as representative of the operator)

Guidance for use: Use this form to report your annual energy usage.

Example text is shown in bracketed grey italics. Replace the example text by entering your own site specific information. Add additional rows as necessary.

¹ Multiply delivered electricity by 2.4 to convert to primary energy where the electricity is supplied from the national grid. If the electricity is supplied from another source, specify the conversion factor used. Add additional rows as needed if electricity is imported from multiple sources.

² Divide energy consumption by an appropriate unit of raw material processed or product output.

Other Performance Parameters Reporting Form**Permit number:** EPR/HP3244QD**Operator:** Wanzl Limited**Facility name:** Tibshelf Plating Works**Other Performance Parameters Reporting Form: version 1, 08/03/2021**Reporting of other performance parameters for the period from *[DD/MM/YY]* to *[DD/MM/YY]*

| Parameter | Units |
|--|--|
| <i>[e.g. Total raw material usage]</i> | <i>[e.g. tonnes per production unit]</i> |
| | |
| | |
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| | |

Operator's comments

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Signed: *[Name]*

Date: *[DD/MM/YY]*

(Authorised to sign as representative of the operator)

Guidance for use: Use this form to report the performance parameters (other than water and energy) required by your permit. Example text is shown in bracketed grey italics. Replace the example text by entering your own site specific information. The parameters to report and units to be used can be found in the 'Performance parameters' table in schedule 4 of your permit. Add additional rows as necessary.

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