



# Integrated Pollution Prevention and Control (IPPC) Licensing

*Waterford Plating Company Ltd.*

## Application Form

<b>EPA Reg. N<sup>o</sup>:</b> (Office use only)	<input type="text"/>
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**Environmental Protection Agency**  
P.O. Box 3000, Johnstown Castle Estate, Co. Wexford  
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## ABOUT THIS APPLICATION FORM

This form is for the purpose of making an application for an Integrated Pollution Prevention and Control (IPPC) Licence under the Environmental Protection Agency Acts, 1992 and 2003. There are separate application forms for licensees who wish to apply for a review of existing licences and for Pig & Poultry sector applicants.

The Application Form **must** be completed in accordance with the instructions provided in the *IPPC Licensing Application Guidance Note*. The Guidance Note gives an overview of IPPC Licensing, outlines the licence application process (including number of copies required) and specifies the information to be submitted in the application. The Guidance Note and application forms are available to download from the IPPC Licensing pages of the EPA's website at [www.epa.ie](http://www.epa.ie). A valid application for an IPPC licence must contain the information prescribed in the Environmental Protection Agency (Licensing) Regulations, 1994 to 2004. Article 10 of the Regulations sets out the statutory requirements for information to accompany a licence application. The application form is designed in such a way as to set out these questions in a structured manner and not necessarily in the order presented in Article 10. In order to ensure a legally valid application in respect of Article 10 requirements, please complete the Article 10 Checklist provided in Annex 2.

This Application Form does not purport to be and should not be considered a legal interpretation of the provisions and requirements of the Environmental Protection Agency Acts, 1992 and 2003 and the Environmental Protection Agency (Licensing) Regulations 1994 to 2004. While every effort has been made to ensure the accuracy of the material contained in the Application Form, the EPA assumes no responsibility and gives no guarantees, undertakings and warranties concerning the accuracy, completeness or up-to-date nature of the information provided herein and does not accept any liability whatsoever arising from any errors or omissions.

Should there be any contradiction between the information requirements set out in the Application Form and any clarifying explanation contained in the accompanying Guidance Note, then the requirements in this Application Form shall take precedence.

## SECTION A: NON-TECHNICAL SUMMARY

A non-technical summary of the application is to be included here. The summary should identify all environmental impacts of significance associated with the carrying on of the activity/activities, and describe mitigation measures proposed or existing to address these impacts. This description should also indicate the normal operating hours and days per week of the activity.

The following information must be included in the non-technical summary:

A description of:

- the installation and its activities,
- the raw and auxiliary materials, other substances and the energy used in or generated by the installation,
- the sources of emissions from the installation,
- the environmental conditions of the site of the installation (e.g. soil and groundwater, air, noise, surface water),
- the nature and quantities of foreseeable emissions from the installation into each medium as well as identification of significant effects of the emissions on the environment,
- the proposed technology and other techniques for preventing or, where this is not possible, reducing emissions from the installation,
- where necessary, measures for the prevention and recovery of waste generated by the installation,
- further measures planned to comply with the general principles of the basic obligations of the operator i.e.
  - (a) all the appropriate preventive measures are taken against pollution, in particular through application of the Best Available Techniques (BAT);
  - (b) no significant pollution is caused;
  - (c) waste production is avoided in accordance with Council Directive 75/442/EEC of 15 July 1975 on waste; where waste is produced, it is recovered or, where that is technically and economically impossible, it is disposed of while avoiding or reducing any impact on the environment;
  - (d) energy and other resources are used efficiently;
  - (e) the necessary measures are taken to prevent accidents and limit their consequences;
  - (f) the necessary measures are taken upon definitive cessation of activities to avoid any pollution risk and return the site of operation to a satisfactory state.
- measures planned to monitor emissions into the environment.

Supporting information should form **Attachment N<sup>o</sup> A.1**

## RESPONSE

**See Attachment A.1**

<b>SECTION B: GENERAL</b>
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**B.1. Owner/Operator**

<b>Name*:</b>	Waterford Plating Company Ltd.
<b>Address:</b>	Unit 604/605/606
	Northern Industrial Estate
	Old Kilmeadan Road
	Waterford
<b>Tel:</b>	051 378695
<b>Fax:</b>	051 378778
<b>e-mail:</b>	waterfordplating@indigo.ie

\* This should be the name of the applicant which is current on the date this IPPC Licence Application is lodged with the Agency. It should be the name of the legal entity (which can be a limited company or a sole trader). A trading/business name is not acceptable.

**Name and Address for Correspondence**

Only application documentation submitted by the applicant and by the nominated person will be deemed to have come from the applicant.

<b>Name:</b>	Same as above
<b>Address:</b>	
<b>Tel:</b>	
<b>Fax:</b>	
<b>e-mail:</b>	

**Address of registered or principal office of Body Corporate (if applicable)**

<b>Address:</b>	Same as above
<b>Tel:</b>	
<b>Fax:</b>	
<b>e-mail:</b>	

If the applicant is a body corporate, the following information must be attached as **Attachment B1**:

- a) a Certified Copy of the Certificate of Incorporation.
- b) the Company's Registration Number from the Companies Registry Office.
- c) Particulars of Registered Office of the Company.

<b>RESPONSE</b>
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**See Attachment B.1.**

**Name and address of the proprietor(s) of the Land on which the Activity is situated (if different from applicant named above):**

<b>Proprietor's Name:</b>	Mr. John Lyons, Atlas Waterford Partnership
<b>Address:</b>	Unit 605/606/655
	Northern Industrial Estate
	Old Kilmeadan Road
	Waterford
<b>Tel:</b>	061 493101
<b>Fax:</b>	061313077
<b>e-mail:</b>	jlyons@atlasalu.ie

**Name and address of the owner(s) of the building and ancillary plant in which the activity is situated ( if different from applicant named above):**

<b>Name:</b>	Same As above
<b>Address:</b>	
<b>Tel:</b>	
<b>Fax:</b>	
<b>e-mail:</b>	

**B.2. Location of Activity**

<b>Name:</b>	Waterford Plating Company Ltd.
<b>Address*:</b>	Unit 604/605/606
	Northern Industrial Estate
	Old Kilmeadan Road
	Waterford
<b>Tel:</b>	051 378695
<b>Fax:</b>	051 378778
<b>Contact Name:</b>	Edward Roche
<b>Position:</b>	Plant Manager
<b>e-mail:</b>	edwroche@eircom.net

\* Include any townland.

<b>National Grid Reference (12 digit 6E,6N)</b>	258322E, 111887N
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Location maps ( $\leq A3$ ), appropriately scaled, with legible grid references should be enclosed in **Attachment B.2**. The site boundary must be outlined on the map in colour.

**RESPONSE**

**B2.1 Site Location**

Site location maps (Drawing reference WPP280-01-Rev-01a & Drawing reference WPP280-01-Rev-01b), a site ownership plan (Drawing reference WPP280-01-Rev-02), a site layout plan (Drawing reference WPP280-01-Rev-03) and an environmental monitoring plan (Drawing reference WPP280-01-Rev-04) in Irish Grid Projection are included in Attachment B.2.

Geo-referenced digital drawing files (e.g. AutoCAD files) in Irish Grid projection of the site boundary and overall site plan, including labelled emission, monitoring and sampling points, are also required. This data should be provided to the Agency on a separate CD-Rom containing sections B.2, E.6 and F.3.

<b>Name of geo-referenced digital drawing files</b>	WPP280-01-Rev-01a WPP280-01-Rev-01b WPP280-01-Rev-02 WPP280-01-Rev-03 WPP280-01-Rev-04 WPP280-01-Rev-05 WPP280-01-Rev-06 WPP280-01-Rev-07 WPP280-01-Rev-08 WPP280-01-Rev-09
<b>Name of CD-Rom with digital drawing files</b>	WPP280-01-Rev-drawings

**B.3. Class of Activity**

Identify the relevant activities in the First, Third or Fourth Schedule of the PoE Act 2004 to which the activity relates:

Schedule	Class	Description <sup>Note 1</sup>
First	12.3	See note below

**Class 12.3:** The surface treatment of metals and plastic materials using an electrolytic or chemical process where the volume of vats exceeds 30m<sup>3</sup>.

**Note 1:** In order to give a precise identification **select only those words** from the description of the class or classes that best describes the nature of the activity for which the licence is being applied for.

**B.4. Employees/ Capital Cost**

Give-

(i) In the case of an established activity, the number of employees and other persons working or engaged in connection with the activity on the date after which a licence is required and during normal levels of operation, or

(ii) In any other case, the gross capital cost of the activity to which the application relates.

<b>Number of Employees (existing facilities):</b>	16
<b>Gross Capital Cost (new proposals) €</b>	Not applicable

**B.5. Relevant Planning Authority**

Give the name of the planning authority in whose functional area the activity is or will be carried out.

<b>Name:</b>	Waterford City Council
<b>Address:</b>	City Hall
	The Mall
	Waterford
<b>Tel:</b>	051 309900
<b>Fax:</b>	051 879124

Planning Permission relating to this application:

<b>has been obtained</b>	√	<b>is being processed</b>	
<b>is not yet applied for</b>		<b>is not required</b>	

<b>Local Authority Planning File Reference N<sup>o</sup>:</b>	fs5905
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## RESPONSE

### B5.1 Planning Permission

#### Existing Planning Permission

A planning application was made to Waterford City Council on 23/12/2003 for 'construction of extensions to the front and rear of the existing facility comprising 2 No. light engineering workshops and offices and the provision of new offices to the front of the existing building including all associated site works'.

The planning application (Ref 03/175) was made to accommodate the expansion plan of Waterford Plating Company Ltd. for the construction of workshop extensions at the eastern end of Unit 605/606 and a new office/canteen at the western end of Unit 605/606. Permission was granted for this application on 30/07/2004. However, subsequent to receiving this planning permission, the planning application was re-lodged to Waterford City Council (file Ref fs/5905) to include further modifications to the existing building for the construction of an ESB substation. Planning permission for this subsequent application was granted on 03/10/2005 and the planning permission was unconditional.

#### Planning Permission : Stacks

Waterford Plating Company Ltd. is IPPC licensed for air emission points AE2-1 and AE2-2 under IPPC Licence P0280-01 granted 27/08/1998. The installation of these stacks has not been covered by any previous planning permission. The height of the existing stack located in Unit 605/606 and associated air emission point AE2-1 is 6 metres above ground level and has remained unchanged since the previous licence application. The stack and associated air emission point AE2-2 has been moved from Unit 605/606 into Unit 604 following consultation with the Agency. The height of this stack is 4.28m above ground level. A new stack and associated emission point AE2-3 which was not part of the previous licence application is located also in Unit 604 and the height of this stack is 5.18m above ground level.

Points AE2-2 and AE2-3 exit from eastern and western gable walls and do not protrude above the highest point of the roof of Unit 604. AE2-1 is situated on the roof of Unit 605/606 and is not visible from the area surrounding the Waterford Plating Company Ltd. facility in the industrial estate.

It is the intention of Waterford Plating Company Ltd. to decommission both stacks from Unit 604 and transfer the stacks, all activities and processes to the new extension referred to as Unit 655 for which planning permission Ref fs5905 was granted. Waterford Plating Company Ltd. will adhere to the Development and Planning Regulations 2001 where planning permission may be required for the installation of the two stacks in Unit 655 and the existing stack in Unit 605/606.



**Existing Integrated Pollution Prevention Control Licence**

The activities on site are conducted in accordance with the conditions of IPPC Licence Register No. P0280-01 which was granted on 27/08/1998. A copy of the licence and amendments are included in Attachment B.5.

**Attachment B.5** should contain all planning permissions, including a copy of **all** conditions, and the required copies of any EIS should also be enclosed. For existing activities, **Attachment N° B.5** should also contain all licences and permits past and present in force at the time of submission.

**B.6. Relevant Sanitary Authority.**

In the case of a discharge of any trade effluent or other matter to a sewer of a sanitary authority, give the name of the sanitary authority in which the sewer is vested or by which it is controlled.

<b>Name:</b>	Waterford City Council
<b>Address:</b>	City Hall
	The Mall
	Waterford
<b>Tel:</b>	051 309900
<b>Fax:</b>	051 879124

In the case of a discharge of any trade effluent or other matter to a sewer not vested by a sanitary authority, the applicant must supply as **Attachment N° B.6**; (a) the name and address of the owner(s) of the sewer and the waste water treatment plant to which the sewer discharges and who are responsible for the quality of the treated effluent discharging to waters and (b) a copy of the effluent regulations and the agreement between the applicant and the aforementioned.

<b>Name:</b>	Not applicable
<b>Address:</b>	
<b>Tel:</b>	
<b>Fax:</b>	

**B.7. Relevant Health Board Region**

The applicant should indicate the Health Board Region where the activity is or will be located.

<b>Name:</b>	Health Service Executive
<b>Address:</b>	Regional Office
	Laken
	Kilkenny
<b>Tel:</b>	056 7781400
<b>Fax:</b>	056 7784388

**B.8 Site Notice, Newspaper Advertisement and Planning Authority Notice.**

**Attachment N° B.8** should contain a copy of the text of the site notice, a map (no larger than A3) showing its location on site (in accordance with Article 7 of the Regulations) and a copy of the newspaper advertisement. A copy of the notice given to the Planning Authority should also be included.

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**RESPONSE**


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**B.8 Site Notice, Newspaper Advertisement and Planning Authority Notice.****B.8.1 Site Notice**

A site notice has been erected in accordance with Articles 5 and 7 of the Environmental Protection Agency (Licensing Regulations, 1994 (S.I. No. 85 of 1994)). The exact location of the site notice is shown on Drawing reference WPP280-01-Rev-01. A copy of the site notice is included in Attachment B.8.

**B.8.2 Newspaper Advertisement**

A notice was published in the Munster Express dated 30<sup>th</sup> May 2008 in accordance with Articles 5 and 6 of the Environmental Protection Agency (Licensing Regulations, 1994 (S.I. No. 85 of 1994)). A copy of the newspaper notice is included in Attachment B.8.

**B.8.3 Planning Authority Notice**

Notice in the form a letter has been given to the local Planning Authority (Waterford City Council) in accordance with Article 9 of the Environmental Protection Agency (Licensing Regulations, 1994 (S.I. No. 85 of 1994)). A copy of this letter is included in Attachment B.8.

**B.9 Seveso II Regulations**

State whether the activity is an establishment to which the EC (Control of Major Accident Hazards involving Dangerous Substances) Regulations (S.I. No. 74 of 2006) apply.

If yes, outline how the process comes under these regulations.

Supporting information should be included in **Attachment N° B.9**.

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**RESPONSE**


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**B.9 Seveso II Regulations**

There are no raw materials or fuels in storage or used at the Waterford Plating Company Ltd. facility that come under those substances named in Schedule 1, Annex 1 Part 1 (Named Substances) of the EC (Control of Major Accident Hazards involving Dangerous Substances) Regulations (S.I. No. 74 of 2006).

**B.10 IPPC Directive**

Specify whether the activity is a category of industrial activity referred to in Annex I of the IPPC Directive (96/61/EC) and if yes specify the category.

Supporting information should be included in **Attachment N° B.10**.

## RESPONSE

### B.10 IPPC Directive

The proposed activity comes under a category of industrial activity referred to in Annex 1 of the IPPC Directive (96/61/EC).

The relevant category is :

- 2.6 Installation for the surface treatment of metals and plastic materials using an electrolytic or chemical process where the volume of the vats exceeds 30m<sup>3</sup>.

## SECTION C: MANAGEMENT OF THE INSTALLATION

### C.1 Site Management & Control

Details should be provided on the management structures for the activity. Organisational charts and all relevant environmental management policy statements, including provisions for on-going assessment of environmental performance, are required.

### C.2 Environmental Management System (EMS)

Indicate whether an Environmental Management System has been developed for the installation. If yes, specify which standard and include a copy of the accreditation certificate.

### C.3 Hours of Operation

Provide details of the hours of operation for the installation, including:

- (a) Proposed hours of operation.
- (b) Proposed hours of construction and development works and timeframes.
- (c) Any other relevant hours of operation expected.

This information should form **Attachment N° C**.

## RESPONSE

### See Attachment C

**Note:** Section C has not been requested as a Section within the minimum required sections as per letter issued by the Agency on 15 May 2007 to Waterford Plating Company Ltd (See cover letter). However, aspects of Section C have changed since the original IPPC Licence application in 1997 and therefore updated details are included in this licence review application.

## SECTION D: INFRASTRUCTURE & OPERATION

### D.1. Operational Information Requirements

Describe the plant, methods, processes, ancillary processes, abatement, recovery and treatment systems, and operating procedures for the activity, to include a copy of such plans, drawings or maps, (site plans and location maps, process flow diagrams), and such other particulars, reports and supporting documentation as are necessary to describe all aspects of the activity. Maps and drawings must be no larger than A3 size.

A development and operational history of the site should be included here.

**Attachment N<sup>o</sup> D** should contain a list of all unit operations (processes) to be carried out, including flow diagrams of each with any relevant additional information.

**RESPONSE**

See Attachment D

**Section D has not been requested as a Section within the minimum required sections as per letter issued by the Agency on 15 May 2007 to Waterford Plating Company Ltd (See cover letter). However, a description of site infrastructure and operations is included in Attachment D.**

**SECTION E: EMISSIONS**

**E.1. Emissions to Atmosphere**

E.1.A. Details of all point emissions to atmosphere

Details of all point emissions to atmosphere should be supplied. Complete Table E.1(i) for Boiler Emissions and Table E.1(ii) and E.1(iii) for all other main emission points. Complete Table E.1(iv) for minor emission points.

A summary list of the emission points, together with maps and/or drawings (no larger than A3), and supporting documentation should be included as **Attachment N<sup>o</sup> E**. Plans of emission elevations, relevant roof heights, etc., should also be included, as should detailed descriptions and schematic of all abatement systems.

**RESPONSE**

See Attachment E.1

The applicant should address in particular any emission point where the substances listed in the Schedule of S.I. 394 of 2004 are emitted.

For emissions outside the BAT guidance limit, a full evaluation of the existing abatement/treatment system must be provided. A planned programme of improvement towards meeting upgraded standards is required. This should highlight specific goals and a time scale, together with options for modification, upgrading or replacement as required to bring the emissions within the limits as set out in the BAT guidance note(s). These notes can be found on the EPA website at [www.epa.ie](http://www.epa.ie).

**RESPONSE**

See Attachment E.1

E.1.B. Fugitive and Potential emissions

Give summary details of fugitive and potential emissions in Table E.1(v).

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**RESPONSE**

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**See Attachment E.1**

In relation to activities listed in the Schedule of Council Directive 1999/13/EC on the limitation of emissions of volatile organic compounds due to the use of organic solvents in certain activities and installations;

- specify the relevant category of activity in the Schedule
- specify how the requirements in relation to fugitive emissions will be met.

Full details and any supporting information should form **Attachment E.1.B**

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**RESPONSE**

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**See Attachment E.1.B**

## **E.2 Emissions to Surface Waters**

Tables E.2(i) and E.2(ii) should be completed.

A summary list of the emission points, together with maps/drawings (no larger than A3) and supporting documentation should be included as **Attachment N° E.2**.

The applicant should address in particular any emission point where the substances listed in the Schedule of S.I. No. 394 of 2004 are emitted.

Details of all List I and List II substances listed in the Annex to EU Directive 76/464/EEC (as amended), contained in any emission must be presented. All surface water runoff and storm water drains discharging to surface water bodies must be included. A National Grid References (12 digit, 6E, 6N) must be given for all discharge points. The identity and type of receiving water (river, ditch, estuary, lake, etc.) must be stated.

For emissions outside the BAT guidance limit, a full evaluation of the existing abatement/treatment system must be provided. A planned programme of improvement towards meeting upgraded standards is required. This should highlight specific goals and a time scale, together with options for modification, upgrading or replacement as required to bring the emissions within the limits as set out in the BAT guidance note(s).

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**RESPONSE**

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**See Attachment E.2**

## **E.3 Emissions to Sewer**

Tables E.3(i) and E.3(ii) should be completed.

A summary list of the emission points, together with maps and/or drawings (no larger than A3) and supporting documentation should be included as **Attachment N° E.3**. Details of all List I and List II substances listed in the Annex to EU Directive 76/464/EEC (as amended), contained in any emission must be presented. All relevant information on the receiving sewer, including any effluent treatment/abatement systems, not already described, with schematics as appropriate should also be included in **Attachment N° E.3**.

For emissions outside BAT guidance limit (where given), a full evaluation of the existing abatement/treatment system must be provided. A planned programme of improvement towards meeting upgraded standards is required. This should highlight specific goals and a time scale, together with options for modification, upgrading or replacement as required to bring the emissions within any limits set out in the BAT guidance note(s).

**RESPONSE**

**See Attachment E.3**

**E.4. Emissions to Ground**

Describe the existing or proposed arrangements necessary to give effect to Articles 3,4,5,6, and 7 of Council Directive 80/68/EEC of 17 December 1979 on the protection of groundwater against pollution by certain dangerous substances.

The applicant should supply details of the nature and quality of the substance (agricultural and non-agricultural waste) to be landspread (slurry, effluent, sludges etc) as well as the proposed application rates, periods of application and mode of application (e.g., pipe discharge, tanker).

For emissions outside the BAT guidance limit, a full evaluation of the existing abatement/treatment system must be provided. A planned programme of improvement towards meeting upgraded standards is required. This should highlight specific goals and a time scale, together with options for modification, upgrading or replacement as required to bring the emissions within the limits as set out in the BAT guidance note(s).

**RESPONSE**

**Not Applicable, there are no emissions to ground at the installation.**

**E.5 Noise Emissions**

Give particulars of the source, location, nature, level, and the period or periods during which the noise emissions are made or are to be made.

Table E.5(i) should be completed, as relevant, for each source.

Supporting information should form **Attachment N<sup>o</sup> E.5**

For emissions outside the EPA Guidance Note for Noise in relation to Scheduled Activities 2<sup>nd</sup> Edition (2006), a full evaluation of the existing abatement/treatment system must be provided. A planned programme of improvement towards meeting upgraded standards is required. This should highlight specific goals and a time scale, together with options for modification, upgrading or replacement as required to bring the emissions within the limits as set out in the Guidance Note.

**RESPONSE**

**Not applicable, the installation is located in an IDA industrial estate.**

**E.6 Tabular Data on Emission Points**

Applicants should submit the following information for each emission point:

Point Code	Point Type	Easting	Northing	Verified	Emission
Provide label ID's assigned in section E	A=Atmospheric SW=Surface Water SE = Sewer GW=Groundwater N = Noise SL=Soil/Ground WS=Waste	6E-digit GPS Irish National Grid Reference	6N-digit GPS Irish National Grid Reference	Y = GPS used N = GPS not used	e.g. SO <sub>2</sub> , HCl, NH <sub>3</sub>

An individual record (i.e. row) is required for each emission point. Acceptable file formats include Excel, Access or other upon agreement with the Agency. A standard Excel template can be downloaded from the EPA website at [www.epa.ie](http://www.epa.ie). This data should be submitted to the Agency on a separate CD-Rom containing sections B.2, E.6 and F.3.

**RESPONSE**

See Table E.6 on CD-Rom

**SECTION F: CONTROL & MONITORING**

**Describe the proposed technology and other techniques for preventing or, where this is not possible, reducing emissions from the installation/facility.**

**F.1: Treatment, Abatement and Control Systems**

Details of treatment/abatement systems (air and effluent emissions) should be included, together with schematics as appropriate.

For each Emission Point identified complete Table F.1(i) and include detailed descriptions and schematics of all abatement systems.

**Attachment N<sup>o</sup> F.1** should contain any supporting information.

**F.2: Emissions Monitoring and Sampling Points**

Identify monitoring and sampling points and outline proposals for monitoring **emissions**. Table F.2(i) should be completed (where relevant) for air emissions, for emissions to surface waters, for emissions to sewers, for emissions to ground, and for waste emissions. Where **ambient** environment monitoring is carried out or proposed, Table F.2(ii) should be completed as relevant for each environmental medium.

Include details of monitoring/sampling locations and methods.

**Attachment N<sup>o</sup> F.2** should contain any supporting information.

**RESPONSE**

See Attachment F.2

**F.3: Tabular Data on Monitoring and Sampling Points**

Applicants should submit the following information for each monitoring and sampling point:

Point Code	Point Type	Easting	Northing	Verified	Pollutant
Provide label ID's assigned in section F3	M=Monitoring S=Sampling	6E-digit GPS Irish National Grid Reference	6N-digit GPS Irish National Grid Reference	Y = GPS used N = GPS not used	e.g. SO <sub>2</sub> , HCl, NH <sub>3</sub>

An individual record (i.e. row) is required for each monitoring and sampling point. Acceptable file formats include Excel, Access or other upon agreement with the Agency. A standard Excel template can be downloaded from the EPA website at [www.epa.ie](http://www.epa.ie). This data should be submitted to the Agency on a separate CD-Rom containing sections B.2, E.6 and F.3.

Point source monitoring/sampling refers to monitoring from specific emission points (e.g. from a boiler stack or outlet from a wastewater treatment plant). Examples of ambient monitoring includes monitoring of ambient air quality (e.g. boundary or off-site) or monitoring of river quality upstream/downstream of an effluent discharge.

## RESPONSE

See Table F.3 on CD-Rom

## SECTION G: RESOURCE USE AND ENERGY EFFICIENCY

### G.1 Give a list of the raw and ancillary materials, substances, preparations, fuels and energy which will be produced by or utilised in the activity.

The list(s) given should be very comprehensive, all materials used, fuels, intermediates, laboratory chemicals and product should be included.

Particular attention should be paid to materials and product consisting of, or containing, dangerous substances as described in the EU (Classification, Packaging, Labelling and Notification of Dangerous Substances) Regulations 1994 [SI 77/94]. The list must classify these materials in accordance with Article 2 of these Regulations, and must specify the designated Risk Phrases (R-Phrases) of each substance in accordance with Schedule 2 of the Regulations

Tables G.1(i) and G.1(ii) must be completed. Copy as required.

Supporting information should be given in **Attachment N<sup>o</sup> G**.

## RESPONSE

See Attachment G

### G.2 Energy Efficiency

A description of the energy used in or generated by the activity must be provided. Outline the measures taken to ensure that energy is used efficiently and where appropriate, an energy audit with reference to the EPA Guidance document on Energy Audits should be carried out.



## RESPONSE

### G.2 Energy Efficiency

Energy consumed at the facility includes natural gas and electricity only. Electricity is utilised to raise the solution temperatures in vats in surface treatment of components. The drying ovens are electrical. The dryer unit is operated by natural gas. Natural gas consumption and electricity use at the facility are at their lowest since monitoring of resource consumption began in 1999 while production has remained constant. An Energy Audit report has been submitted to the Agency to comply with Amendment by Section 82(11) to comply with Condition 2.10.1.

## SECTION H: MATERIALS HANDLING

### H.1 Raw Materials, Intermediates and Product Handling

All materials should be listed in Tables G.1(i) and G.(ii) of **Section G**.

Details of the storage conditions, location within the site, segregation system used and transport systems within the site should be outlined here. In addition, information relating to the integrity, impermeability and recent testing of pipes, tanks and bund areas should be outlined.

### H.2 Describe the arrangements for the recovery or disposal of solid and liquid wastes accepted into or generated by the installation/facility.

For each waste material, give full particulars of:

- (a) Name
- (b) Description & nature of waste
- (c) Source
- (d) Where stored and integrity/impermeability of storage areas
- (e) Amount (m<sup>3</sup>) and tonnage
- (f) Period or Periods of generation
- (g) Analysis ( include test methods and Q.C. )
- (h) European Waste Catalogue Code
- (i) Waste Category per EC Reg 1774/2002/EC where relevant

Where any waste would be classified as Hazardous Waste as defined in the Waste Management Acts, 1996 to 2003, this should be made clear in the information provided.

Summary Tables H.1(i) and H.1(ii) should also be completed, as appropriate, for each waste. The licence/permit register number of the waste collection agent or disposal/recovery operator should be supplied as well as the expiry date of the relevant permits.

Supporting information should form **Attachment N<sup>o</sup> H.2**

### H.3 Waste disposal by on-site landfilling

For wastes to be disposed of by landfilling on-site, full details of the disposal site should be submitted (to include *inter alia*, site selection procedures, location maps, (no larger than A3) geology, hydrogeology, operational plan, containment, gas and leachate management, post-closure care).

Supporting information should form **Attachment N° H.3.**

**RESPONSE**

**See Attachment H.**

**SECTION I: EXISTING ENVIRONMENT & IMPACT OF THE ACTIVITY**

**Describe the conditions of the site of the installation.**

**Provide an assessment of the effects of any emissions on the environment, including on an environmental medium other than that into which the emissions are made.**

**Describe, where appropriate, measures for minimising pollution over long distances or in the territory of other states.**

I.1. Assessment of atmospheric emissions

Describe the existing environment in terms of air quality with particular reference to ambient air quality standards.

Provide a statement whether or not emissions of main polluting substances (as defined in the Schedule of S.I. 394 of 2004) to the atmosphere are likely to impair the environment.

Give summary details and an assessment of the impacts of any existing or proposed emissions on the environment, including environmental media other than those into which the emissions are to be made.

**Attachment N° I.1** should also contain full details of any dispersion modelling of atmospheric emissions from the activity, where required. When carrying out dispersion modelling, regard should be had to the "Guidelines for the Preparation of Dispersion Modelling Assessments for Compliance with Regulatory Requirements – an Update to Royal Meteorological Society Guidance" or similar guidelines from a recognised authority.

**RESPONSE**

**See Attachment I.1**

I.2. Assessment of Impact on Receiving Surface Water

Describe the existing environment in terms of water quality with particular reference to environmental quality standards or other legislative standards. Table I.2(i) should be completed

Provide a statement whether or not emissions of main polluting substances (as defined in the Schedule of S.I. 394 of 2004) to water are likely to impair the environment.

Give summary details and an assessment of the impacts of any existing or proposed emissions on the environment, including environmental media other than those into which the emissions are to be made.

Full details of the assessment and any other relevant information on the receiving environment should be submitted as **Attachment N<sup>o</sup> I.2.**

#### RESPONSE

**Not applicable**

**Section I.2 has not been included in Sections requiring completion for this licence review as per letter issued by the Agency on 15 May 2007 to Waterford Plating Company Ltd.**

#### I.3. Assessment of Impact of Sewage Discharge.

Give summary details and an assessment of the impacts of any existing or proposed emissions on the environment, including environmental media other than those into which the emissions are to be made.

Full details of the assessment and any other supporting information should form **Attachment N<sup>o</sup> I.3.**

#### RESPONSE

**Not applicable**

**Section I.3 has not been included in Sections requiring completion for this licence review as per letter issued by the Agency on 15 May 2007 to Waterford Plating Company Ltd.**

#### I.4 Assessment of Impact of Ground/Groundwater Emissions

Describe the existing groundwater quality. Tables I.4(i) should be completed.

Give summary details and an assessment of the impacts of any existing or proposed emissions on the ground (aquifers, soils, sub-soils and rock environment), including any impact on environmental media other than those into which the emissions are to be made. This includes landspreading, land injection etc.

Land on which material may be landspread shall be identified on a suitable scaled map (1:10,560 and 1:50,000) and submitted as no greater than A3 size. All vulnerable (as a result of ground emissions) surface water bodies must be identified on these maps. Additional information should be included in **Attachment N<sup>o</sup> I.4.**

#### Landspreading of Agricultural/Non Agricultural Wastes

Tables I.4(ii) and I.4.(iii) should be complete where applicable. Further information is available in the Application Guidance Document.

#### RESPONSE

**Not applicable**

**Section I.4 has not been included in Sections requiring completion for this licence review as per letter issued by the Agency on 15 May 2007 to Waterford Plating Company Ltd.**

#### I.5 Ground and/or Groundwater Contamination

Summary details of known ground and/or groundwater contamination, historical or current, on or under the site must be given.

Full details including all relevant investigative studies, assessments, or reports, monitoring results, location and design of monitoring installations, plans, drawings, documentation,

including containment engineering, remedial works, and any other supporting information should be included in **Attachment N° I.5.**

#### RESPONSE

**Not applicable**

**Section I.5 has not been included in Sections requiring completion for this licence review as per letter issued by the Agency on 15 May 2007 to Waterford Plating Company Ltd.**

#### I.6 Assessment of the Environmental Impact of On-site Waste Recovery and/or Disposal.

Describe the arrangements for the prevention and recovery of waste generated by the activity.

Give details, and an assessment of the impact of any existing or proposed on-site waste recovery/disposal on the environment, including environmental media other than those into which the emissions are to be made.

This information should form **Attachment N° I.6.**

#### RESPONSE

**Not applicable**

**Section I.6 has not been included in Sections requiring completion for this licence review as per letter issued by the Agency on 15 May 2007 to Waterford Plating Company Ltd.**

#### I.7 Noise Impact

Give details and an assessment of the impacts of any existing or proposed emissions on the environment, including environmental media other than those into which the emissions are to be made.

Ambient noise measurements

Complete Table I.7(i) in relation to the information required below:

- (i) State the maximum Sound Pressure Levels which will be experienced at typical points on the boundary of the operation. (State sampling interval and duration)
- (ii) State the maximum Sound Pressure Levels which will be experienced at typical noise sensitive locations, outside the boundary of the operation.
- (iii) Give details of the background noise levels experienced at the site in the absence of noise from this operation.

Prediction models, maps (no larger than A3), diagrams and supporting documents, including details of noise attenuation and noise proposed control measures to be employed, should form **Attachment N° I.7.**

#### RESPONSE

**Not applicable**

**Section I.7 has not been included in Sections requiring completion for this licence review as per letter issued by the Agency on 15 May 2007 to Waterford Plating Company Ltd.**

I.8 Environmental Considerations and BAT

**Describe in outline the main alternatives, if any, to the proposals contained in the application.**

Describe any environmental considerations which have been made with respect to the use of cleaner technologies, waste minimisation and raw material substitution.

Describe the measures proposed or in place to ensure that:

- (a) The best available techniques are or will be used to prevent or eliminate or, where that is not practicable, generally reduce an emission from the activity;
- (b) no significant pollution is caused;
- (c) waste production is avoided in accordance with Council Directive 75/442/EEC of 15 July 1975 on waste; where waste is produced, it is recovered or, where that is technically and economically impossible, it is disposed of while avoiding or reducing any impact on the environment;
- (d) energy and other resources are used efficiently;
- (e) the necessary measures are taken to prevent accidents and limit their consequences;
- (f) the necessary measures are taken upon definitive cessation of activities to avoid any pollution risk and return the site of operation to a satisfactory state.

Supporting information should form **Attachment N° I.8.**

**RESPONSE**

**See attachment I.8.**

**SECTION J: ACCIDENT PREVENTION & EMERGENCY RESPONSE**

Describe the existing or proposed measures, including emergency procedures, to minimise the impact on the environment of an accidental emission or spillage.

Also outline what provisions have been made for response to emergency situations outside of normal working hours, i.e. during night-time, weekends and holiday periods.

Describe the arrangements for abnormal operating conditions including start-up, leaks, malfunctions or momentary stoppages.

Supporting information should form **Attachment N° J.**

**RESPONSE**

**See Attachment J.**

**SECTION K: REMEDIATION, DECOMMISSIONING, RESTORATION & AFTERCARE**

Describe the existing or proposed measures to minimise the impact on the environment after the activity or part of the activity ceases operation, including provision for post-closure care of any potentially polluting residuals.

Supporting information should be included as **Attachment No. K.**

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**RESPONSE**


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**The facility has a Residual Management Plan in place that will ensure that in the event of cessation of operation the facility will be decommissioned in line with all environmental legislation with consideration to waste disposal, vat sterilization, hazardous materials removal and decommissioning of equipment. The facility will be rendered environmentally benign.**

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**SECTION L: STATUTORY REQUIREMENTS**


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Indicate how the requirements of Section 83(5)(a)(i) to (v) and (vii) to (x) of the EPA Acts, 1992 and 2003 shall be met, having regard, where appropriate, to any relevant specification issued by the Agency under section 5 (3) of the Act and the reasons for the selection of the arrangements proposed.

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**RESPONSE**


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**Section 83(5) (a) (i): The activity will not lead to a breach of Section 50 or Section 51 of the Air Pollution Act, 1987 (See section E.1, AERMOD dispersion model subsequent to application)**

**Section 83(5) (a) (ii): The activity will not lead to a breach of section 26 of the local government (Water Pollution) Act 1977. (See sections E.2 and I.2 of the application form and associated attachments)**

**Section 83(5) (a) (iii): There are no relevant Regulations or standards requiring being addressed arising from the nature of the proposed activities and the receiving environment.**

**Section 83(5) (a) (iv): The activity will not lead to a breach of Section 106 of the EPA Acts**

**Section 83(5) (a) (v): The activity will not result in emissions that will cause significant environmental pollution**

**Section 83(5) (a) (vii): The activity will be managed to ensure that the production of waste is prevented or minimised and where waste is produced, it will be recovered and where it is not economically and technically possible to recover it, be disposed of in a manner which will prevent or minimise any impact on the environment.**

**Section 83(5) (a) (viii): The activity will be managed in order that energy is to be used efficiently in the carrying out of the licensed activity.**

**Section 83(5) (a) (ix): The activity will be operated so that necessary measures will be taken to prevent accidents in the carrying out of the activity. In addition, it is ensured that where an accident occurs, its consequences for the environment are limited, and where there are consequences for the environment, these consequences are remedied.**

**Section 83(5) (a) (x): The activity will ensure that necessary measures are taken upon the permanent cessation of the activity (including such a cessation resulting from the abandonment of the activity) to avoid any risk of environmental pollution and return the site of the activity to a satisfactory state.**

Indicate whether or not the activity is carried out, or may be carried out, or is located such that it is liable to have an adverse effect on -

(a) a site placed on a list in accordance with Chapter 1 of SI 94 of 1997, or

(b) a site where consultation has been initiated in accordance with Article 5 of the EU Habitats Directive (92/43/EEC), or

**RESPONSE**

**The activity will not impact on such sites**

Indicate whether or not the activity is liable to have an adverse effect on water quality in light of S.I. No. 258 of 1998 (Local Government (Water Pollution) Act, 1977 (Water Quality Standards for Phosphorus) Regulations, 1998).

**RESPONSE**

**The activity will not have an adverse effect on water quality in light of S.I. No. 258 of 1998 (Local Government (Water Pollution) Act, 1977 (Water Quality Standards for Phosphorus) Regulations, 1998).**

Indicate whether any of the substances specified in the Schedule of the EPA (Licensing)(Amendment) 2004, S.I. 394 of 2004, are discharged by the activity to the relevant medium.

**RESPONSE**

**The following substances as specified in the Schedule of the EPA (Licensing) (Amendment) Regulations, 2004 (S.I. No. 394 of 2004) are discharged by the activity:**

**Air:**

- (4) Volatile Organic Compounds**
- (6) Dust**

**Water:**

- (6) Cyanides**
- (7) Metals and their compounds**
- (11) Substances which contribute to eutrophication**
- (12) Substances which have unfavourable influence on the oxygen balance**

**The emissions of these substances are predicted not to have a significant impact on the nearest sensitive receptors or receiving waters.**

Fit and Proper Person

The PoE Act in Section 83(5)(xi) specifies that the Agency shall not grant a licence unless it is satisfied that the applicant or licensee or transferee as the case may be is a fit and proper person. Section 84(4) of the PoE Act specifies the information required to enable a determination to be made by the Agency.

- Indicate whether the applicant or other relevant person has been convicted under the PoE Act, the Waste Management Act 1996, the Local Government (Water pollution) Acts 1977 and 1990 or the Air Pollution Act 1987.

**RESPONSE**

**No, there have been no convictions associated with operations at the facility.**

- Provide details of the applicant's technical knowledge and/or qualifications, along with that of other relevant employees.

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**RESPONSE**

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**The plant manager has been employed at the facility since operations commenced over ten years ago and has an extensive knowledge of electroplating and chemical coating industry in conjunction with the use of solvent and powder paints at the installation.**

- Provide information to show that the person is likely to be in a position to meet any financial commitments or liabilities that may have been or will be entered into or incurred in carrying on the activity to which the application relates or in consequence of ceasing to carry out that activity.

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**RESPONSE**

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**The facility currently has not evaluated environmental liabilities; however intend to proceed with a risk assessment of unknown liabilities.**

Supporting information should be included as **Attachment N<sup>o</sup> L** with reference to where the information can be found in the application.

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**SECTION M: DECLARATION**

**Declaration**

I hereby make application for a licence / revised licence, pursuant to the provisions of the Environmental Protection Agency Acts, 1992 and 2003 and Regulations made thereunder.

I certify that the information given in this application is truthful, accurate and complete.

I give consent to the EPA to copy this application for its own use and to make it available for inspection and copying by the public, both in the form of paper files available for inspection at EPA and local authority offices, and via the EPA's website. This consent relates to this application itself and to any further information, submission, objection, or submission to an objection whether provided by me as Applicant, any person acting on the Applicant's behalf, or any other person.

Signed by: Edward Roche Date: 03/06/2008  
(on behalf of the organisation)

Print signature name: EDWARD ROCHE

Position in organisation: GENERAL MANAGER

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Company stamp or seal  
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## ANNEX 2: CHECKLIST FOR ARTICLE 10 COMPLIANCE

Article 10 of the Environmental Protection Agency (Licensing) Regulations, 1994 to 2004 sets out the statutory requirements for information to accompany a licence application. The Application Form is designed in such a way as to set out these questions in a structured manner and not necessarily in the order presented in Article 10. In order to ensure a legally valid application in respect of Article 10 requirements, all Applicants should complete the following checklist and submit it with the completed Application Form.

Article 10(2)		Section in Application	Checked by Applicant ✓
(a)	give the name, address and telephone number of the applicant and, if different, any address to which correspondence relating to the application should be sent and, if the applicant is a body corporate, the address of its registered or principal office,	B.1	✓
(b)	give - (i) in the case of an established activity, the number of employees and other persons working or engaged in connection with the activity on the date after which a licence is required and during normal levels of operation, or  (ii) in any other case, the gross capital cost of the activity to which the application relates,	B.4	✓
(c)	give the name of the planning authority in whose functional area the activity is or will be carried on,	B.5	✓
(d)	in the case of a discharge of any trade effluent or other matter (other than domestic sewage or storm water) to a sewer of a sanitary authority, give the name of the sanitary authority in which the sewer is vested or by which it is controlled,	B.6	✓
(e)	give the location or postal address (including where appropriate, the name of the relevant townland or townlands) and the National Grid reference of the premises to which the activity relates,	B.2	✓
(f)	specify the relevant class or classes in the First Schedule to the Act to which the activity relates,	B.3	✓
(g)	specify the raw and ancillary materials, substances, preparations, fuels and energy which will be produced by or utilised in the activity,	G	✓
(h)	describe the plant, methods, processes, ancillary processes, abatement, recovery and treatment systems, and operating procedures for the activity,	D	✓

<b>Article 10(2) continued.. /</b>		<b>Section in Application</b>	<b>Checked by Applicant ✓</b>
(i)	indicate how the requirements of section 83(5)(a)(i) to (v) and (vii) to (x) of the Act shall be met, having regard, where appropriate, to any relevant specification issued by the Agency under section 5(3) of the Act and the reasons for the selection of the arrangements proposed,	<i>L</i>	✓
(j)	give particulars of the source, nature, composition, temperature, volume, level, rate, method of treatment and location of emissions, and the period or periods during which the emissions are made or are to be made,	<i>E</i>	✓
(k)	describe the arrangements for the prevention or minimisation of waste and, where waste is produced, the on and of site arrangements for the recovery or disposal of solid and liquid wastes,	<i>H</i>	✓
(l)	specify, by reference to the relevant European Waste Catalogue codes as prescribed by Commission Decision 2000/532/EC of 03 May 2000, the quantity and nature of the waste or wastes produced or to be produced by the activity,	<i>NA</i>	
(m)	provide: (i) details, and an assessment, of the impacts of any existing or proposed emissions on the environment, including on an environmental medium other than that or those into which the emissions are or are to be made, and (ii) details of the proposed measures to prevent or eliminate, or where that is not practicable, to limit, reduce or abate emissions,	<i>I.1</i>	✓
(n)	identify monitoring and sampling points and outline proposals for monitoring emissions and the environmental consequences of any such emissions,	<i>F.3</i>	✓
(o)	describe the condition of the site of the installation,	<i>I.1</i>	✓
(p)	describe in outline the main alternatives, if any, to the proposals contained in the application which were studied by the applicant,	<i>I.8</i>	✓
(q)	specify the measures to be taken to comply with an environmental quality standard where such a standard requires stricter conditions to be attached to a licence than would otherwise be determined by reference to best available techniques,	<i>NA</i>	

<b>Article 10(2) continued../</b>		<b>Section in Application</b>	<b>Checked by Applicant ✓</b>
(r)	describe the measures to be taken for minimising pollution over long distances or in the territory of other states,	<b>A</b>	✓
(s)	describe the measures to be taken under abnormal operating conditions, including start-up, shutdown, leaks, malfunctions, breakdowns and momentary stoppages,	<b>J</b>	✓
(t)	describe the measures to be taken on and following the permanent cessation of the activity or part of the activity to avoid any risk of environmental pollution and to return the site of the activity to a satisfactory state,	<b>K</b>	✓
(u)	describe, in the case of an activity which gives, or could give rise, to an emission containing a hazardous substance which is discharged to an aquifer and is specified in the Annex to Council Directive 80/68/EEC of 17 December 1979 on the protection of groundwater against pollution caused by certain dangerous substances, the arrangements necessary to comply with said Council Directive,	<b>NA</b>	
(v)	include any other information required under Article 6(1) of Council Directive 96/61/EC of 24 September 1996 concerning integrated pollution prevention and control,	<b>NA</b>	
(w)	include a non-technical summary of information provided in relation to the matters specified in paragraphs (f) to (v) above,	<b>A</b>	✓
(x)	state whether the activity consists of, comprises, or is for the purposes an establishment to which the European Communities (Control of Major Accident Hazards involving Dangerous Substances) Regulations, 2000 apply,	<b>NA</b>	

<b>Article 10(3)</b> Without prejudice to Article 12(1), an application for a licence shall be accompanied by -		<b>Section in Application</b>	<b>Checked by Applicant ✓</b>
(a)	a copy of the relevant page of the newspaper in which the notice in accordance with article 6 has been published,	<b>B.8</b>	✓
(b)	a copy of the text of the site notice erected or fixed on the land or structure in accordance with article 7,	<b>B.8</b>	✓
(c)	a copy of the notice given to the planning authority under section 85(1)(a) of the Act,	<b>B.8</b>	✓
(d)	a copy of such plans, including a site plan and location map (no larger than A3), and such other particulars, reports and supporting documentation as are necessary to identify and describe -		
	(i) the activity	<b>B.2</b>	✓
	(ii) the position of the site notice in accordance with article 7	<b>B.2</b>	✓
	(iii) the point or points from which emissions are made or are to be made, and	<b>B.2</b>	✓
	(iv) monitoring and sampling points, and	<b>B.2</b>	✓
(e)	a fee specified in accordance with section 94 of the Act.	<b>Fee Included</b>	✓

<b>Article 10(4)</b>		<b>Checked by Applicant ✓</b>
(b)	<p>A signed original and 2 hardcopies of the application and accompanying documents/particulars in hardcopy format plus 2 copies of all files in electronic searchable PDF format on CD-Rom shall be submitted to the headquarters of the Agency.</p> <p>In cases where an E.I.S. is required to be submitted to the Agency in support of the application, a signed original and 2 hardcopies of the EIS plus 16* copies of all files in electronic searchable PDF format on CD-Rom shall be submitted to the headquarters of the Agency.</p> <p>* Energy sector applicants = 18 copies</p>	
	Hardcopies submitted.	✓
	CD version submitted.	✓

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