



II

(1) ACTS 1963 - 1976.

Irish Steel Holdings Ltd,
Steelmakers & Rollers,
Mallowline,
Co. Cork.

Register No.

1917/77

APPLICATION BY Irish Steel Holdings Ltd., Steelmakers & Rollers,
OF Mallowline ON 21/12/77 & 18/11/77
FOR PERMISSION/AN APPROVAL (revised date)
FOR Extensions & Modifications to Steel Making Plant
AT Mallowline

Further to notice dated 21/12/77 the Cork County Council
hereby conveys a grant of Permission/Approval for the development/extension described
above for ~~use of land~~ subject to the conditions set out in the
schedule (if any) attached to the said Notice dated 21/12/77 of
its intention to grant Permission/Approval.

Room 1001,
County Hall,
CORK.

Signed on behalf of the Cork County Council.

E. RODRE,

DATE: 23 JAN 1978

NOTE for guidance of Developers

A grant of Planning Permission or Approval does not of itself empower a person to carry out a development unless that person is otherwise legally entitled to do so.

CORK COUNTY COUNCIL.

(2)

LOCAL GOVERNMENT (PLANNING AND DEVELOPMENT) ACTS 1963-1976.

Notification of Decision to Grant a Permission/~~Authorisation~~(Subject to Conditions).

Reference No:

in Planning ... To - Irish Steel Holdings Ltd,
Register. Steel Makers & Rollers,
Haulbowline,
CO. CORK.

1907/77.

In pursuance of the powers conferred upon them by the above-mentioned Acts
the Council of the County of Cork have by order dated **20 DEC 1977**
decided to grant a permission/~~Authorisation~~ for the development of land namely:-

Extensions & modifications to Steel-Making Plant
at Haulbowline.

in accordance with the plans and particulars submitted by the applicant on

27/6/77, as amended on 18/11/77, and

subject to the conditions set out in Column 1 of the Schedule attached hereto.

The reasons for the imposition of the said conditions are set out in Column 2
of the Schedule.

If there is no appeal against the said decision, a grant of Permission/
~~Authorisation~~ in accordance with the decision will be issued after the expiration of
the period within which an appeal may be made to An Bord Pleanala. (See footnote).

It should be noted that until a grant of permission/~~Authorisation~~ has been issued,
the development in question is NOT AUTHORISED.

Planning Dept.
County Hall,
Cork.

Signed on behalf of the said Council.

Date:

21 DEC 1977

NOTE:

An appeal against a decision of a Planning Authority under section 26 of the Act of 1963 may be made to An Bord Pleanala. THE APPLICANT FOR PERMISSION may appeal within ONE MONTH beginning on the date of receipt by him of the decision. ANY OTHER PERSON may appeal to An Bord Pleanala within THREE WEEKS beginning on the date of the decision. Appeals should be addressed to the SECRETARY, AN BORD PLEANALA, HOLBROOK HOUSE, HOLLES STREET, DUBLIN 2, and will be invalid unless accompanied by a deposit of £10.

An appeal by the applicant for permission SHOULD BE ACCOMPANIED BY THIS FORM. In the case of an appeal by any other person the name of the applicant, particulars of the proposed development of the structure to be retained and the date of the decision of the Planning Authority should be stated.

SCHEDULE

(3)

Reference Number in
Planning Register: 320747.

Column 1 - Condition	Column 2 - Reason
	provided that-
(1) The siting of the boiler/compressor house shall be altered from the exposed Northern Perimeter to a protected location midway along the Eastern perimeter. The compressor shall be surrounded by an acoustically designed enclosure.	To reduce existing noise levels and to safeguard the environment of the area.
(2) (a) The net total Sound Power Emission levels of the steady and the quasi steady noise sources from the proposed total developed complex shall not be permitted to increase beyond 2 dBA above the existing level of 113 dBA re 10 ¹² watts measured at source. (b) A noise prediction programme (e.g. Comsol) shall be embarked upon and agreement reached with the Planning Authority on the best practical engineering methods to achieve these objectives. (c) All pure tones emanating from the complex shall be suppressed. (d) A noise monitoring system shall be installed in the vicinity of the scrap handling area aimed at a reduction of all impulsive noise emissions from this area.	To safeguard the environment of the area.
(3) Salt water only shall be utilised for- (i) Cooling the closed circulatory fresh water network serving the existing and proposed systems. (ii) Open cooling system controlling- (a) The mill Rolls, (b) Bearings, (c) Certain furnace components.	To limit the uses of fresh water for cooling purposes.

contd., /

SCHEDULE

(4)

Reference Number in
Planning Register: 1907/77 ~ page 2.

Column 1 - Condition	Column 2 - Reason
(4) The return cooling water from the combined cooling water streams to the estuary shall meet the following standards:-	To prevent injury to the Fauna, Flora and marine life in the estuary and to safeguard the amenities of the area.
(a) In respect of the waste heat water from the cyclones, the daily flow shall not exceed 25,000 cubic metres, with a suspended Solids content not exceeding 75 mgs./litre.	
(b) The mass intake of Dissolved Solids in the abstracted incoming sea water for all cooling purposes, measured on a daily basis, shall not be exceeded in the returned cooling water to the estuary by more than 10% of dissolved solids in the intake sea water.	
(c) The maximum flow of returned cooling water from all sources shall be 43,000 cubic metres/day discharged into the tidal stream at a point not less than 1 metre below low water Ordinary Spring tide. Flow shall not exceed 2,200 cubic metres in any one hour period.	
(d) Temperature shall not exceed 30°C.	
(e) Heavy metals shall not exceed 1 mg./litre.	
(5) Mill scale and other suspended matter shall be removed by cyclones or lagoon system. The extracted matter shall be disposed of on the company's disposal dump.	To ensure orderly disposal of waste and to safeguard the environment of the area.
(6) The following solid waste materials which have been heated to a minimum of 1,000°C, and which are non-toxic and cannot be leached by fresh or salt water shall be disposed of on the company's disposal dump in the area licenced by the Minister for Transport & Power.	

contd.../

SCHEDULE

(5)

Reference Number in
Planning Register: 1907/77 - page 3.

Column 1 - Condition	Column 2 - Reason
(a) Melting Furnace Slag.	
(b) Re-heating furnace slag (clinker scale),	
(c) Cycloco scale.	
(d) Demolition rubble from furnaces and ladles.	
(7) The emission of polluting matter to atmosphere presently through ten existing chimney stacks shall be discontinued and emissions shall in future be restricted to two stacks as follows:-	To reduce emissions to atmosphere and to safeguard the environment of the area.
(a) Emissions from the billet re-heating furnace,	
(b) Waste heat boiler including re-heating furnace.	
(8) Fume and dust generated -	do.
(a) From the melting operation shall be discharged by direct extraction method into the main flue leading to the bag filter house.	
(b) From the Basket Charging operation by Furnace Hood.	
(c) From the Furnace Tapping by Tapping Hood.	
(d) General leakage from the Furnaces by Furnace Hood.	
(e) Fume generated during the casting by Casting Machine Hood.	
All collected fume and dust shall be directed to the bag filter house rated at 11,300m ³ /min for the extraction of dust. The emission from the bag filter house to atmosphere shall not exceed 115 mg/m ³ . The stack height shall be 95 metres.	

contd.../

SCHEDULE

(6)

Reference Number in
Planning Register: 1807/77 - page 4.

Column 1 - Condition	Column 2 - Reason
(f) Fume collection equipment shall be installed in the galvanizing plant house to limit the emission to 230. m ³ .	
(9) Dust collected by the bag filters shall be -	To protect the environment of the area.
(a) Removed off-site in sealed containers for export by sea or road, or,	
(b) Pelletised on site and thereafter shipped by sea in bulk, or,	
(c) Dumped in a location in Cork County, details of which shall be agreed with the Planning Authority within 6 months of the grant of permission.	
(10) Burnt lime shall be conveyed to the site in covered containers or trucks and stored in covered storage hoppers on site.	do.
(11) The basic boiler stack height for emissions from billet re-heating process shall be not less than 40 metres. The total emission of gas containing sulphur dioxide and compressed sulphur dioxide shall not exceed 290 kgs./hour.	do.
(12) Recording and sampling points on the final cooling water pipe and atmospheric emission points shall be provided by the developer. The developer shall arrange at his own expense for regular sampling, testing and analyses of effluent and emissions to be carried out by an independent and competent person(s). The results of the analyses shall be furnished regularly to the Planning Authority and at least once every two months.	To ensure satisfactory monitoring of discharge of the effluents to receiving water and the emissions to atmosphere.

contd.../

SCHEDULE

(7)

Reference Number in
Planning Register: 1907/77 - page 5.

Column 1 - Condition	Column 2 - Reason
<p>The monitoring of the following emissions shall be provided for:-</p> <ul style="list-style-type: none"> (1) Emissions from Furnace and melting shop Bag Filter to measure Kg/hour and mg/Nm³ and the chemical composition of the dust. (2) Emission from re-heating Furnace to measure Sulphur Dioxide in Kg/hour. (3) Emission from Galvanised Bath to measure Kg/hour and mg/Nm³ and the chemical composition of the Emission. (4) A baseline monitoring programme for atmospheric and Air Quality shall be carried out by the developer. This programme shall cater for continuous monitoring for a period of 6 months (with the existing plant in operation) prior to the commissioning of the new plant. <p>This programme shall continue for a 12 month period after commissioning of the new plant and thereafter as required by the Planning Authority. The locations of the 4 monitoring stations shall be as follows:-</p> <ol style="list-style-type: none"> 1. Naval Base - Haulbowline Island; 2. Cobh - at nearest point to Island as practicable, 3. Corktown - at nearest point practicable due West of Irish Steel Holdings. 4. Ringaskiddy Village near Catholic Church. 	To ensure satisfactory baseline monitoring.

contd.../

SCHEDULE

(8)

Reference Number in
Planning Register: 1907777 page 6.

Column 1 - Condition	Column 2 - Reason
<p>The monitoring requirements at each station shall be as follows:-</p> <p>(1) Daily average Concentration of Sulphur Dioxide.</p> <p>(2) Daily average Concentration of Particulates.</p> <p>(3) Monthly average dustfall. In addition the daily average Concentration of lead shall be monitored at Station No (1) above.</p>	