

BRIDGEND COUNTY BOROUGH COUNCIL

**POLLUTION PREVENTION AND CONTROL (ENGLAND AND WALES) REGULATIONS 2000
REGULATION 17**

VARIATION NOTICE

To: **Mr K James
Celtic Recycling
Units 17, 18 & 37
Village Farm Industrial Estate
Pyle
Bridgend CF33 6BZ**

Bridgend County Borough Council ("the Council"), in exercise of the power conferred on it by Regulation 17 of the Pollution Prevention and Control (England and Wales) Regulations 2000 ("the 2000 Regulations") hereby gives you notice as follows.

1. The Council has decided to vary the permit reference **060** granted under Part II of the 2000 Regulations in respect of the carrying on of the permitted activity at **Celtic Recycling, Units 17, 18 and 37 Village Farm Industrial Estate, Pyle, Bridgend.**
2. The variations and the date on which they are to take effect are specified in Schedule 1 to this notice. The permit as varied by this notice is set out in Schedule 2.
3. You are hereby required to notify the Council at the following address within **21 days** of the action (if any) you propose to take to ensure that the activity is carried on in accordance with the permit as varied by this notice.

Bridgend County Borough Council,
Public Protection Department, Civic Offices,
Angel Street, BRIDGEND, CF31 4WB.

Signed on behalf of Bridgend County Borough Council

DATED the 9th day of January, 2008

Signed.....

ACTING HEAD OF ENVIRONMENTAL SERVICES
(The officer appointed for this purpose)

Public Protection Department,
Civic Offices, Angel Street,
BRIDGEND, CF31 4WB.
(Address to which all communications should be sent)

EXPLANATORY NOTE

(This note does not form part of the Variation Notice, but is for the guidance of those served with the Notice).

This notice varies the terms of the permit specified in the Notice by amending or deleting existing conditions and/or adding new conditions and/or deleting conditions. Schedule 1 attached to the notice explains what conditions have been amended/added/deleted and the date or dates on which the amendments/additional/deletions have effect. The permit should, therefore be read in conjunction with this notice. Schedule 2 attached to the notice contains the revised permit - i.e. the permit updated so as to include all the amendments made by this and any previous variation notices.

It may be necessary for the holder of the permit to take certain action in order to comply with the permit as it has been varied by this Notice. The Notice requires the holder to notify what action (if any) he/she proposes to take and specifies a deadline for this information to be provided. Where the Council is of the opinion that the action needed to comply with the permit as varied by the Notice would involve a substantial change, the Notice also requires payment of a fee within a specified period.

Appeals

Anyone served with a variation notice can appeal to the Secretary of State under regulation 27 of the Pollution Prevention and Control (England & Wales) Regulations 2000. **Appeals must be sent to the Secretary of State no later than two months from the date of the enforcement notice (normally the date on the bottom of the notice).** In accordance with regulation 27 (11), appeal decisions can be delegated to persons appointed by the Secretary of State for that purpose in line with Section 114 of the Environment Act 1995. Appeals should be sent on the day they are dated and addressed to:

The Planning Inspectorate
Environmental Appeals Administration
Room 4/19 Eagle Wing
Temple Quay House
2 The Square
Temple Quay
Bristol
BS1 6PN
Tel No: 0117 372 8812
Fax: 0117 372 6093

Guidance on the appeal procedures is contained in Pollution Prevention and Control Regulations 2000: Guidance on the Appeal procedure. This is published by the Planning Inspectorate and is available from <http://www.inspectorate.gov.uk/forms/guidepollution-2000.pdf>

The appeal must be in the form of a written notice or letter stating that the person wishes to appeal against the enforcement notice. The following five items must be included:

- a) a statement of the grounds of appeal;
- b) a copy of any relevant permit;
- c) a copy of any relevant correspondence between the person making the appeal ("the appellant") and the Council;
- d) a copy of the enforcement notice which the appeal is against;
- e) a statement indicating whether the appellant wishes the appeal to be dealt with
 - by a hearing attended by both parties and conducted by an inspector appointed by the Secretary of State; or
 - by both parties sending the Secretary of State written statements of their case (and having the opportunity to comment on one another's statements).

At the same time, the notice of appeal and documents (a) and (e) must be sent to the Council, and the person making the appeal should inform the appropriate Secretary of State that this has been done.

An appeal will not suspend the effect of the notice; the notice must still be complied with.

An appellant may withdraw an appeal by notifying the Secretary of State in writing and must also send a copy of this notification to the council.

Offences

Failure to comply with a variation notice is an offence under section 32(1)(b) of the Pollution Prevention and Control (England and Wales) Regulations 2000. A person successfully prosecuted for this offence could be fined up to £20,000 in a Magistrates Court and/or 6 months imprisonment. If the case is dealt with by a Crown Court the maximum penalty is an unlimited fine and/or 5 years imprisonment. The Council is also empowered to take proceedings in the High Court for the purpose of securing compliance with a suspension notice.

SCHEDULE 1


The variations to the authorisation which the Council has decided to make

The date or dates on which the variations are to take effect

Permit **060** has been rewritten in its entirety to take into account the requirements of PG 2/1 (04).

As date specified on Variation Notice P/060/001

xx

Signature 

Date 

SCHEDULE 2

Cyngor Bwrdeistref Sirol



Pollution Prevention and Control Act 1999

**Pollution Prevention and Control (England & Wales) Regulations
2000 (as amended)**

Permit No: 060/01

Part B Permit for:

**Celtic Recycling Ltd
Unit 37
Village Farm Industrial Estate
Pyle
Bridgend
CF33 6NH**

**Public Protection Department
Bridgend County Borough Council
Environmental & Planning Services Directorate
Civic Offices
Angel Street
Bridgend
CF31 4WB**

Bridgend County Borough Council Permit No.: 060/01

Date Permit issued: 9th January 2008

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Explanatory Notes

These explanatory notes do not form part of the Permit

Introduction

The following Permit is issued under Regulation 10 of the Pollution Prevention and Control Regulations 2000 (S.I. 2000 No. 1973) ("the PPC Regulations") to operate an installation carrying out one or more of the activities listed in Part 1 to Schedule 1 of those Regulations, to the extent authorised by the Permit.

The Permit includes conditions that have to be complied with. It should be noted that aspects of the operation of the installation which are not regulated by those conditions are subject to the condition implied by Regulation 12(10) of the PPC Regulations, that the Operator shall use the best available techniques for preventing or, where that is not practicable, reducing emissions from the installation.

Brief description of Best Available Techniques (BAT)

Regulation 3(1) describes BAT mentioned above as the most effective and advanced stage in the development of activities and their methods of operation which indicates the practical suitability of particular techniques for providing in principle the basis for emission limit values designed to prevent and, where that is not practicable, generally to reduce emissions and the impact on the environment as a whole, and for the purpose of this definition:

- a) "available techniques" means those techniques which have been developed on a scale which allows implementation in the relevant industrial sector under economically and technically viable conditions, taking into consideration the cost and advantages, whether or not the techniques are used or produced inside the United Kingdom, as long as they are reasonably accessible to the operator.
- b) "best" means, in relation to techniques, the most effective in achieving a high general level of protection of the environment as a whole.
- c) "techniques" includes both the technology used and the way in which the installation is designed, built, maintained, operated and decommissioned.

Talking to us

To speak to someone concerned with this permit ring 01656 643260 and ask to speak with an officer from the Pollution Control section or e-mail on publicprotection@bridgend.gov.uk. Our fax number is 01656 643285.

Confidentiality

The Permit requires the Operator to provide information to the Council. The Council will place the information onto the public registers in accordance with the requirements of the PPC Regulations. If the Operator considers that any information provided is commercially confidential, it may apply to the Council to have such information withheld from the register as provided in the PPC Regulations. To enable the Council to determine whether the information is commercially confidential, the Operator should clearly identify the information in question and should specify clear and precise reasons.

Variations of the Permit

This Permit may be varied in the future. Should a variation become necessary, then a variation notice will be served upon the operator which specifies the variation and the date or dates on which the variation is to take place. In addition to this, the operator may apply to the Regulator for variations in the Permit should the necessity arise. The Status Log within the Introductory Note to any such variation will include summary details of this Permit, variations issued up to that point in time and state whether a consolidated version of the Permit has been issued.

Surrender of the Permit

Before this Permit can be wholly or partially surrendered, an application to surrender the Permit has to be made in accordance with Regulation 20 of the PPC Regulations.

Transfer of the Permit

Before the Permit can be wholly or partially transferred to another person, a joint application to transfer the Permit has to be made by both the existing and proposed holders, in accordance with Regulation 18 of the PPC Regulations. A transfer will be allowed unless the Council considers that the proposed holder will not be the person who will have control over the operation of the installation or will not ensure compliance with the conditions of the transferred Permit.

Changes to the Permit

Any change in the activities covered by this permit must be notified to the Council for approval prior to implementation.

Offences

Regulation 32 of the PPC Regulations defines the offences that may arise as a result of non-compliance with the regulations or this permit. You are advised to be familiar with this regulation since a person guilty of an offence could be fined up to £20,000 and/or be subject to imprisonment.

Enforcement

If the conditions attached to this Permit are not adhered to, then an enforcement notice may be served upon the operator. This notice will specify the contraventions and the steps to be taken to remedy the situation. It is an offence not to comply with such an Enforcement Notice (see above).

Revocation

The Permit may be revoked at any time by the enforcing Local Authority. This will particularly be considered if fees are not paid or enforcement notices are not complied with.

Suspension

The Regulator has a duty to serve a suspension notice if it is considered that there is an imminent risk of serious pollution to the environment, whether or not there has been a breach of the Permit.

Appeals

Any person who has been refused a Permit, is aggrieved by the conditions attached to the Permit, has been refused a variation of a Permit on application or has had a Permit revoked may appeal against the decision of the Regulator to the Secretary of State.

Powers of entry

Any duly authorised officer of the Regulating Authority may enter premises to inspect an activity at all reasonable times.

On entry of the premises the officer also has powers to take any equipment or materials with him for which the power of entry is being exercised, to make such examination and investigation as may be necessary, to take such photographs, measurements or samples and seek any other assistance necessary to assist him in his duties.

Permit

Pollution Prevention and Control (England & Wales) Regulations 2000 (as amended)



Permit Number: 060/01

Bridgend County Borough Council (the Regulator) (i) in exercise of its powers under Regulation 10 of the Pollution Prevention and Control Regulations 2000 (S.I. 2000 No. 1973) hereby permits

Celtic Recycling Ltd ("the Operator") (ii)

To operate the installation (iii) at

**Celtic Recycling Ltd
Unit 37
Village Farm Industrial Estate
Pyle
Bridgend
CF33 6NH**

to the extent permitted by and subject to the conditions of this Permit and operated within the site boundary on the attached Site Plan A.

Signed

A rectangular box containing a handwritten signature that appears to be 'P. Stanton'.

Authorised by Bridgend County Borough Council to sign in that behalf

Dated

A rectangular box containing the handwritten date '9/1/2008'.

Status Log

Permit Reference Number: 060/01

Detail	Date	Comment
Date original LAPC application received	23/04/1993	
Date LAPPC application determined	31/03/2005	
Variation Notice	09/01/2008	Permit varied in entirety to reflect change of PG Note 2/1(04)

Table 1 - The Permitted Installation			
Activities under Schedule 1 of the PPC Regulations / Associated activity	Description of Specified Activity	Schedule 1 Activity Reference	Relevant Note
Section 2.2 Non Ferrous materials	Melting of non ferrous metals in any furnace which has a design capacity of 5 tonnes or more – Metal Decontamination Furnace	Section 2.2 Part B(b)(ii)	PG 2/1 (04) Furnaces for the extraction of non ferrous metal from Scrap

Brief Description of the Installation Regulated by this Permit

This activity involves the recovery of copper scrap, using heat, from mixed electrical generation components including coils, motors, joints, cables etc. The redundant transformers usually obtained from regional electricity boards are off loaded within the waste handling area and all residual oil is pumped out and stored in the waste oil storage tanks which is then resold for further recycling.

The copper coils contained within the transformers which are wrapped in paper soaked with mineral oil, are then cut down to furnace size and placed onto the furnace burning pallets.

When a sufficient number of copper cores have been processed to enable a minimum use of one full days production, they are placed in a Lees Hall 1500 twin chamber metal recovery furnace which is fuelled by red diesel. Combustion gases are passed through an after burner at 850°C and then discharged to atmosphere via a fully lined 13.7 metre chimney. The oily paper is burnt off the copper coils within the furnace leaving clean separated copper which is then sold loose or baled as required by the customer.

Electrical motors and greasy cables are processed in the same way and charged into the furnace on steel pallets. Bitumen is "sweated out" from within cast iron junction boxes at low temperatures. The bitumen is run off into steel moulds where it solidifies and is thereafter disposed of to a licensed company or sold for recycling depending on market conditions.

CONDITIONS

1. This Permit gives condition for the operation of a metal decontamination activity (iv) at Celtic Recycling Limited, Unit 37 Village Farm Industrial Estate, Pyle, Bridgend, CF33 6NM, as outlined in red on Plan A accompanying this Permit by the application of heat in a Lees Hall 1500 twin chamber metal recovery furnace.

Emission Limits and Controls

1. All emissions shall be free from offensive odour as perceived at ground level by the Regulatory Officer (v) outside the installation boundary.
2. All emissions to air, other than steam or condensed water vapour, shall be colourless (vi), free from droplets (vii) and from persistent mist (viii) and persistent fumes (ix).
3. Emissions from the combustion process shall, in normal operation, including start up and shut down, be free from visible smoke and in any case shall not exceed the equivalent of Ringelmann Shade 1 (x).
4. All pollutant concentrations shall be expressed at reference conditions, 273K, 101,3kPa, 121% oxygen and dry gas.
5. The introduction of dilution air to achieve emission concentration limits in this Permit shall not be permitted.
6. Emissions to air shall not exceed the following emission concentration limits:

Total particulate matter	20mg/m ³
Total of lead, cadmium and their compounds	2mg/m ³ (as the metal)
7. All emissions from the appliances shall be discharged through the stack (xi) as indicated on Plan B accompanying this Permit.
8. Scrap materials shall be sorted prior to loading into the furnace to prevent the introduction of deleterious materials.
9. The furnace casing, ductwork and furnace doors shall be maintained as gas tight as is practicable.

Monitoring of Emissions

10. All sampling (xii) and tests (xiii) required shall be carried out when the incinerators are operating at their usual operating capacity.
11. All instruments used for monitoring shall be checked daily for correct operation.

12. All continuous monitoring equipment shall be calibrated by external means at least once per year.
13. Sampling and analysis of the stack gases shall be carried out once every 12 months. The gas shall be analysed for the pollutants detailed in condition 6 above.
14. Non-continuous emissions monitoring of particulate matter shall be carried out according to the main procedural requirements of BS150 12141: 2002 or BSEN 13284: Part 1 with samples taken during periods of maximum emission.
15. The Regulator shall be advised at least 7 days in advance of any periodic monitoring exercise to determine compliance with emission limit values of the provisional time and date of monitoring, pollutants to be tested and methods to be used.
16. Emissions from the furnace shall be continuously monitored and recorded for particulate matter using a suitable cross-stack optical device. In addition to continuously measuring total particulate matter in the exhaust gases, a continuous smoke monitor shall be fitted and connected to an audible alarm which is adjusted to be triggered where the smoke emission approaches Ringlemann Shade 1. The activation of the alarm shall be automatically recorded. The method of achieving compliance with this condition shall be in agreement with the Regulator.
17. When any warning, visual or otherwise, gives notification of any malfunction, breakdown or any other circumstance leading to an abnormal emission to air:-
 - a. Immediate investigation shall be carried out
 - b. Prompt correction action shall be taken
 - c. If the corrective action is not immediately effective, then action to mitigate any effects shall be taken
 - d. The observations, finding/results of the investigation and action taken under (b) and (c) in this condition shall be entered in the operation log as required in condition 23 below.
 - e. If there is likely to be affect on the local community the Regulator must be informed without delay.
18. In any case where the emission measurement carried out in compliance with condition 13, exceeds the concentration limits specified in condition 6 the results shall be forwarded promptly to the Regulator. Where any emission concentration is more than twice the specified emission concentration limit, the local authority must be advised immediately.
19. The results of any non-continuous monitoring shall be forwarded to the Regulator within 8 weeks of the completion of the sampling.

20. Adequate facilities for sampling shall be provided whilst ensuring that the design and location is such as to allow representative samples to be taken.
21. Sampling points on new plant shall be designed to comply with BSEN 13284-1 or BS 150 12141: 2002 for sampling particulate matter in stacks.
22. Efficient functioning of burners shall be checked at least once a week and burners shall be regularly maintained. The results of these checks shall be recorded in accordance with Condition 23.

Record Keeping

23. The results of all monitoring and inspection(xiv) shall be recorded in a log book, retained by the operator for a minimum of 2 years and made available for examination by the Regulator. All entries in the log book shall contain the following information:-
 - a. The time
 - b. The date
 - c. The position of the monitoring point of observation
 - d. The wind and weather conditions
 - e. The results/assessments
 - f. The identification of the observer
 - g. The signature of the observer

Materials Handling

24. Suitable precautions shall be taken in the handling and disposal of ash, dust or other residues to minimize any emission to the atmosphere.
25. Metals which have been processed shall not be removed from the primary combustion chambers (xv) until all combustible contaminants have been completely burned or until no further smoke or fume emissions are likely to arise.
26. Any accidental spillage of materials shall be cleaned up immediately and placed either in a suitable closed contained or sealed bags prior to disposal. Solids shall be cleared by vacuuming, wet methods or other appropriate techniques. Dry sweeping of dusty spillages shall not be permitted.
27. No waste material of any description shall be burnt in the open air.
28. A high standard of housekeeping shall be maintained at all times.

Arrestment Plant

29. The temperature at the outlet of the secondary combustion Chamber (xvi) shall be maintained at least 850°C and the residence time of these gases shall be at least 0.5 seconds. The addition of further materials to the furnace at any time when the temperature in the secondary combustion chamber (xxi) falls below 850°C is prohibited. The temperature at the outlet of the secondary combustion chamber shall be continuously monitored and continuously recorded and an audible and visual alarm shall be fitted to activate when the temperature falls below 850°C.

Chimney

30. All gases from the secondary combustion chambers shall be directed via the secondary combustion chamber to the 13.716 metre stack.
31. The stack shall not be fitted with any restriction at the final opening such as a plate, cap or cowl.
32. Exhaust gases discharged through the stack should have an exhaust velocity greater than 15 m/sec during normal operating conditions.
33. The flues and ductwork to both chimneys shall be cleansed regularly to prevent accumulation. The material resulting from the cleaning shall be collected, contained and transported in sealed bags or other dust tight containers.

Training

34. Staff at all levels shall receive proper training and instructions in their duties relating to control of the process and emissions to air. Particular emphasis shall be given to training for start-up, shut down, and abnormal conditions according to the operational instructions to avoid unacceptable emissions.
35. A statement of training for each operational post and a record of training received by all operating staff must be kept and maintained.

General

36. Effective control of emissions requires the maintenance and proper use of equipment in accordance with the manufacturer's instructions, and the proper supervision of activity operations. Effective preventative maintenance shall be employed on all plant and equipment concerned with control of emissions to air. There shall be adequate provisions for the supply of essential spares and consumables.

37. All maintenance and repair operations shall be carried out by competent trained persons and written details of said maintenance and repair operations shall be kept by the operator on the premises for at least 2 years.
38. The activity or any part thereof shall not be operated if there are any faults or doubts about its operation and the details must be recorded in the operator's log as outlined in Condition 23.
39. Any future change of the person having operational control of the activity shall be identified in writing to the Regulator within 14 days of taking control.
38. Where any modification or alteration to the activity that is likely to have an adverse impact on airborne emissions with the exception of the fitting of standard replacement parts, details shall be notified to the Regulator giving at least 14 days prior notice and approval shall be obtained before the work is undertaken. In the event of an emergency, modifications and alterations may be carried out but the Regulator must be notified within 24 hours of the modification or alteration being undertaken.
39. Copies of correspondence with other regulatory agencies shall be forwarded to the Regulator as soon as possible if they are likely to effect the general operation of the permitted activity or have an impact on airborne emissions.

Appendix 1

Definitions

- (i) The term "Regulator" in this Permit shall be taken to mean Bridgend County Borough Council, Public Protection Department, situated at the Civic Offices, Angel Street, Bridgend, CF31 4WB. Tel. No. 01656 643260 Emergency No. 01656 720213
- (ii) The term "Operator" in this Permit shall be taken to mean the person having legal responsibility for the process.
- (iii) The term "Installation" in this Permit shall be taken to mean:
 - (a) a stationary technical unit where one or more activities (defined in (iv) below) are carried out; and
 - (b) any other location on the same site where any other directly associated activities are carried out which have a technical connection with the activities carried out in the stationary technical unit and which could have an effect on pollution.
- (iv) The term "Activity" in this Permit shall be taken to mean the whole process including the treating, handling and storage of any materials used in and products and wastes produced by the installation.
- (v) The term "Regulatory Officer" in this Permit shall be taken to mean an officer authorised by the Bridgend County Borough Council to implement the provision of the pollution Prevention and Control (England & Wales) Regulations 2000 (as amended).
- (vi) The term "Colourless" in this Permit shall not be taken to mean white, grey or black emissions.
- (vii) The term "Droplets" in this Permit shall be taken to mean liquid fractions, large than 1 micron diameter which are released from the rim of the chimney and subsequently precipitate or fall out from the emission plume within the locality of the emission source.
- (viii) The term "Mist" in this Permit shall be taken to mean particulate matters of less than 1 micron diameter, vapours and aerosols of colloidal particles which are visible.
- (ix) The term "Fume" in this Permit shall be taken to mean a gas or vapour which has a choking or unpleasant smell.
- (x) The term "Ringlemann Shade 1" in this Permit shall be taken to have the meaning of that contained in British Standard BS.2742:1969.

- (xi) The term "Stack" in this Permit shall be taken to mean that indicated in blue on Plan B accompanying this Permit.
- (xii) The term "Sampling" in this Permit shall be taken to mean a means of obtaining a discrete portion of material which is representative of the whole.
- (xiii) The term "Tests" in this Permit shall be taken to mean a method of investigation to identify a particular substance.
- (xiv) The term "Inspection" in this Permit shall be taken to mean the careful physical examination of the process, or a part thereof, to assess performance in relation to a predetermined standard.
- (xv) The tem "Primary Combustion Chamber" in this Permit shall be taken to mean either of the identical capacity burning chambers in the Lees Hall 1500 Furnace, as indicated on Plan B accompanying this Permit.
- (xvi) The term "Secondary Combustion Chamber" in this Permit shall be taken to mean the afterburner chamber of the Lees Hall 1500 Furnace, as indicated on Plan B accompanying this Permit.

Appendix 2

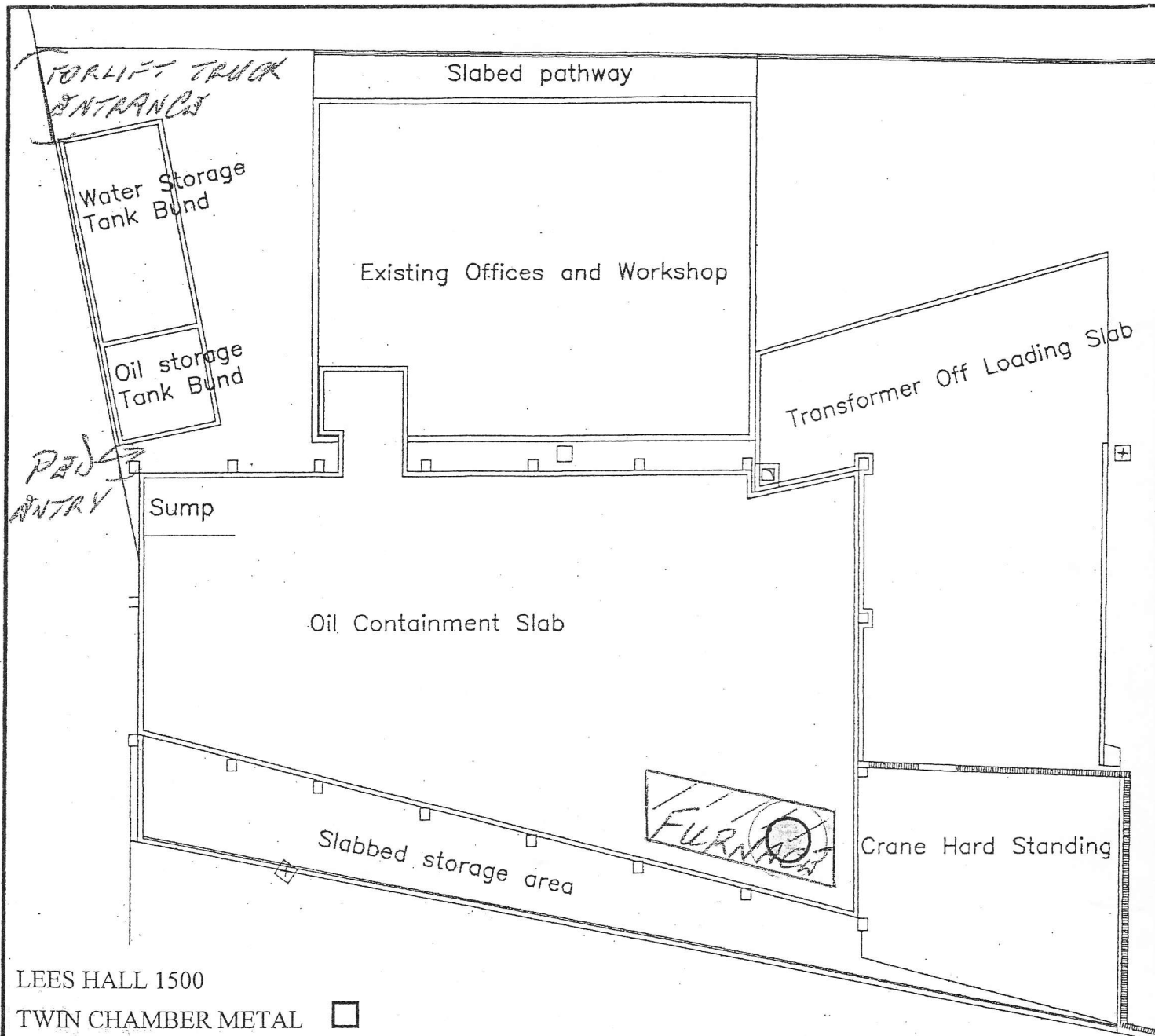
Plans Accompanying Permit

Plan A - Location Plan

Plan B - Site Plan

Permit No. 060
 Plan A - Location Plan
 Celtic Recycling Ltd
 Unit 37 Village Farm Industrial Estate
 Pyle
 Bridgend



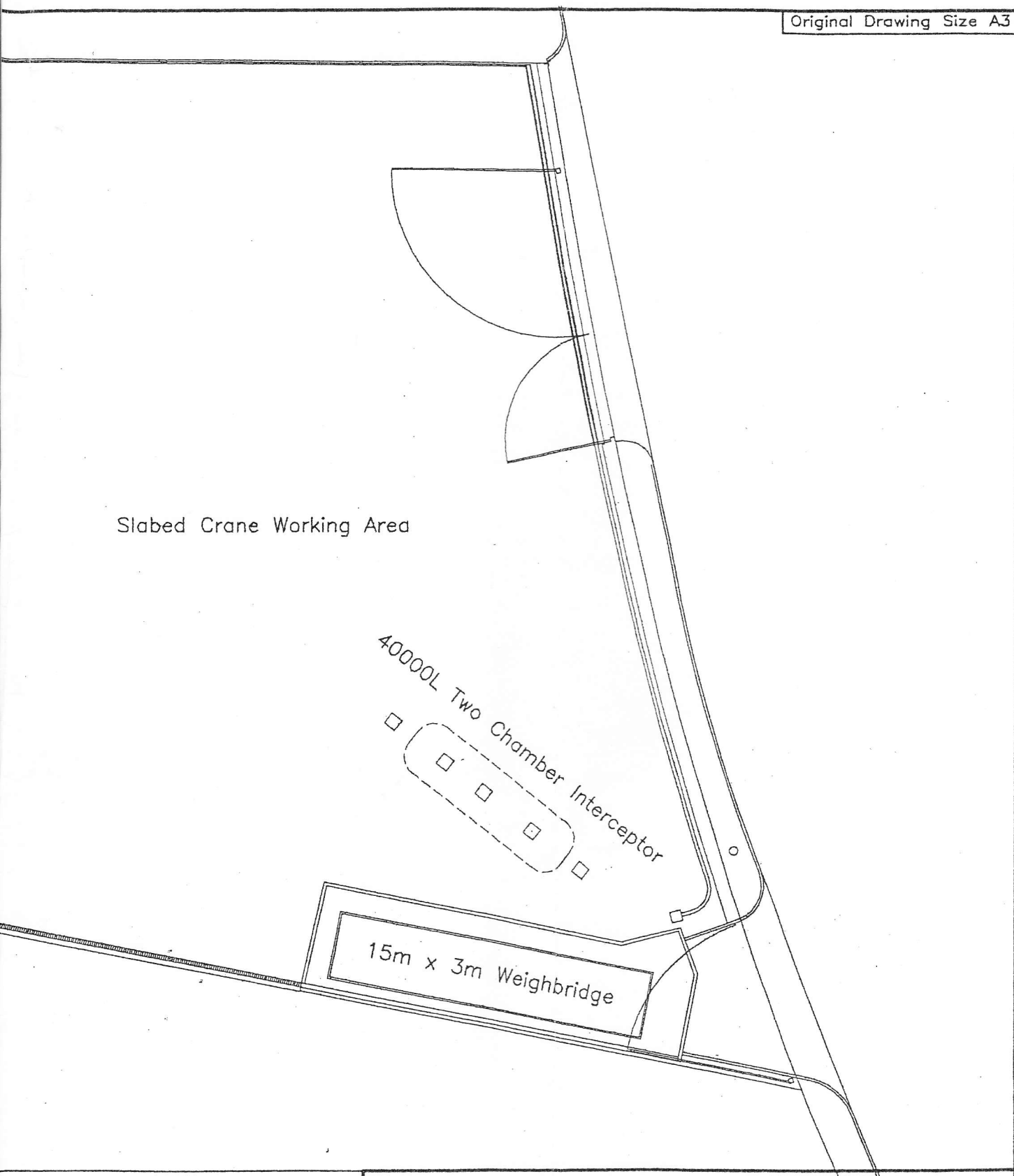


LEES HALL 1500

TWIN CHAMBER METAL ☐
RECOVERY FURNACE

STACK A ☐

Drawn D Grewar	Date	Checked	Date	Approved	Date
Scales 1:250		Project No. 95014		Drawing Number 71	Rev.
Permit No. 060 Plan B - Site Plan Celtic Recylcing Ltd Unit 37 Village Farm Industrial Estate Pyle Bridgend					Celtic Recycling L Unit 37 Village Farm Indus Pyle, Mid Glamorg
No.	Date	Revision			



td.

ustrial Estate
an

Morgan & Grewar Ltd.

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