



Encia Limited

Report No: DRAFT MS FERODO/REV 0
Date: DECEMBER 2011

**THE CONSTRUCTION (DESIGN AND MANAGEMENT) REGULATIONS 2007:
DEMOLITION METHOD STATEMENT**

**FERODO FRICTION PRODUCTS PLANT
HAYFILED ROAD
CHAPEL EN LE FRITH
HIGH PEAK
DERBYSHIRE
SK23 OJP**



DEMOLITION METHOD STATEMENT

PRINCIPAL CONTRACTOR – ENCIA LIMITED



Encia Limited

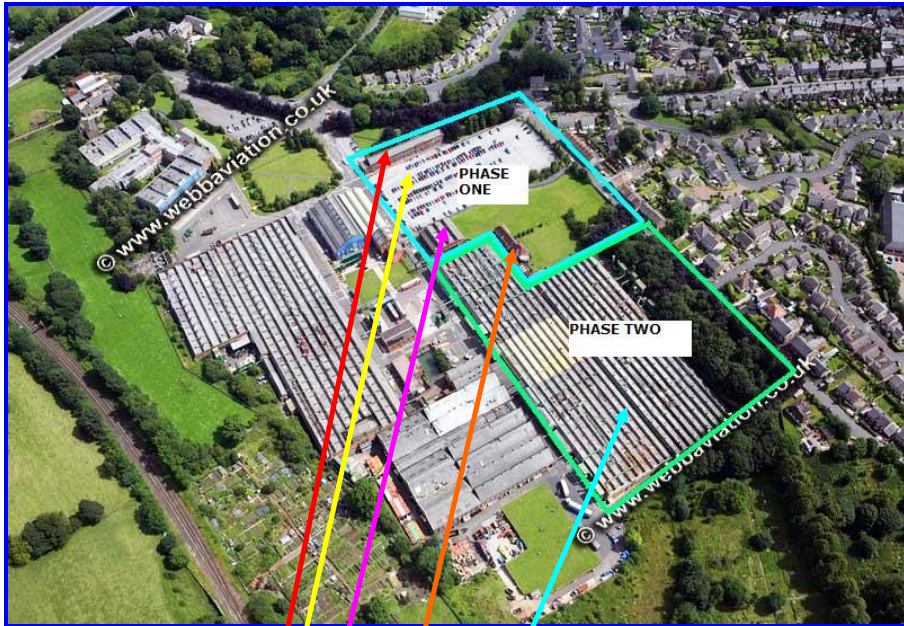
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DATE: DRECEMBER 2011

1 INTRODUCTION

- 1.1. The project relates to the partial demolition works that are to be carried out at the Ferodo site, Chapel en le Frith, Derbyshire.
- 1.2. The works have been split into two phases as identifiable on the plan below.



- 1.3. The works within each phase and the buildings to be demolished are as follows;

Phase One

- Building N
- Car Park
- Building M
- Directors Canteen

Phase Two works

- Building B

- 1.4. The works that are to be carried out in each Phase are as follows

1. Service Disconnections, Diversions, Systems drained and pipe works purged and certified safe – **Federal Mogul**

2. Carry out Pre Demolition and Refurbishment survey to identify all asbestos containing materials present within each of the buildings, structures and sub floor structures – **Encia Limited**
3. Form site compound, set up welfare facilities, muster points and secure the site to be demolished, install protective measures within the existing site surface water drainage system to prevent contamination during the demolition process - **Encia Limited**
4. Licensed Asbestos Removal works will now be carried out by a suitably qualified/licensed asbestos removal contractor. Until Air Clearance / Certificate of Reoccupation has been achieved, no other works shall proceed – **Encia Limited**
5. Carry out internal soft strip of the buildings, to remove deleterious materials. This operation may be carried out on a smaller scale Pre Asbestos Removals, purely to facilitate the asbestos removal works and to remove obstructions that would hinder the asbestos removal works – **Encia Limited**
6. The careful removal and disposal of asbestos cement based corrugated and flat sheeting to both roof and walls. These works will be carried out by demolition personnel who have received the recognised UKATA training for working with non licensed asbestos containing materials – **Encia Limited**
7. Hand demolition to separate any structures, pipe bridges and gantries which adjoin the structure to be demolished and that of the buildings that are to be retained – **Encia Limited**
8. Mechanical Demolition of the super structure down to ground slab level. The processing of all materials arising from this element of works which will be transported off site for recycling / disposal. Demolition rubble will be processed and crushed on site to produce a 6F2 type reusable product. – **Encia Limited**
9. Excavation of the ground slabs, foundations, redundant drainage, relic structures, and hard standings. All materials will be processed and crushed on site to produce a 6F2 type re useable product. – **Encia Limited**
10. Excavate and treat/dispose of site identified grossly contaminated soils, turnover and re engineering made ground to achieve the proposed development levels, plus provide validated clean cover subsoil material – **Encia Limited**
11. Consultants shall supervise these works, produce verification reports and carry out the necessary chemical and geo environmental testing as and when required – **Encia Regeneration Limited**
12. Construct the noise attenuation bund – **Encia Limited**

1.5 SITE STAFF:

Encia Limited will ensure the following resources to carry out the works as required on site

Demolition Site Manager (SMSTS) – Non Working
 Remediation Site Manger (SMSTS) – Non Working
 Asbestos Removals Site Manager – Non Working
 Remediation Site Engineer
 Demolition Site Supervisor – Working
 Remediation Site Supervisor
 Asbestos Removals Site Supervisor
 First Aiders x 2 (One Demolition & One Asbestos)
 5 No Plant Operatives (max)
 8 No Demolition Operatives (max)
 20 No Asbestos Removal Operatives

Regular visits by the Demolition Operations Manager and Contracts Director.

- 1.7 Sub-Contractors – Prior to commencement on site all Sub-Contractors will have been approved through our Safety Prequalification process.

Asbestos Surveying works – The Pre Demolition and Refurbishment asbestos survey will be produced by:

Winsulate Limited – Contact: Brent Wardle

Asbestos Removal works – The removal and disposal of all asbestos based materials (other than Asbestos Cement sheeting) will be undertaken by

Winsulate (UK) Limited – Contact: Kevin Lang

1.8 PLANT & EQUIPMENT:

2 No 35t excavator fitted with a choice either shears, selector grab or bucket attachment
 2 No 45t demolition excavator fitted with a choice either shears, selector grapple or bucket attachment
 1 No 70t Demolition Tracked machine fitted with controlled attachments
 Tractor and Towable Water Bowser and jet spray for Dust Suppression
 4 No mobile elevating work platform (“scissor lift”)
 1 Mobile Crushing Plant
 40m³ roll-on-off (hook load or “roro”) skips for general waste, timber and scrap steel
 Hand tools
 Site office / canteen / Toilet – Shower Block / Generator / Bunded Fuel Tank

- 1.8 Plant certificates will be obtained for all plant used and copies of the certificates retained on site.
- 1.9 All operators are to produce CPCS licenses.

- 1.10 As stated in our letter to occupiers of neighbouring properties and premises, Encia Limited will endeavour to undertake the work described below in such a way as to minimise the impact of that work. Therefore the foreman will:
- take all reasonable steps to minimise the creation of dust, using water sprays to dampen buildings being demolished and the demolition arisings;
 - pay attention to wind direction so as to anticipate the impact of any work downwind of the working area;
 - curtail, suspend or re-arrange work as necessary to allow the demolition to proceed if possible whilst reducing its impact on any the occupiers of neighbouring properties / premises;
 - ensure all plant is fit for its purpose and adequately maintained so that noise generation is within the manufacturer's stated maximum noise level;
 - give particular consideration to activity on site at the start of the day to minimise disturbance of the neighbours. Reversing manoeuvres will be avoided in the early morning to prevent reversing sirens sounding. Mobile plant, which requires approximately 20 minutes idling to warm-up before a shift, will be parked sensibly away from houses. A super-silenced generator is being used to provide electrical power to the site compound. Any particularly noisy operations (e.g. use of hydraulic breakers) will be programmed to minimise disturbance;
 - monitor the condition of the public highway when HGVs are leaving site. The hard surfaces adjacent to the site gates will be left in-situ for as long as possible to give the longest possible runout and opportunity for any mud to be left on site rather than on the highway. A temporary wheelwash or jet wash will be used if necessary. Self-propelled roadsweepers will be engaged from time to time as necessary to keep the highway clean.

2 WELFARE ACCOMMODATION

- 2.1 Welfare facilities will be provided by Encia Limited to a standard that satisfies the HSE. On site visitor parking will be minimal adjacent the welfare facilities.
- 2.2 The actual location of the welfare facilities together with staff / visitor parking have been identified on the Traffic Management plan contained within the Construction Phase Health and Safety Plan.
- 2.3 The Provision of site accommodation will be compliant with respect to the Construction (Design & Management) Regulations 2007 (Regulations 9(1)(b), 13(7), 22(1)(c)) and Schedule 2 of the Construction (Design & Management) Regulations 2007 Approved Code of Practice'.

3 WORKING HOURS

7.30 am - 18.30pm Monday-Friday
8.00am – 16.00pm Saturday and Sunday

4 SERVICES

- 4.1 The client is making all arrangements for the disconnection of the services to the site.
- 4.2 Full details of the works that are to be undertaken by Federal Mogul in relation to the services, isolations, disconnections and diversions can be seen in the Federal Mogul Chapel Site Transformation Plan, Service Details 6th April 2011 which is appended to this document.
- 4.3 Mains records for the site are included within Appendix 15 of the Construction Phase Health & Safety Plan.
- 4.4 A CAT detector will be used by the site supervisor to test for live underground electric cables prior to any slabs / foundations being removed.

5 SAFETY

- 5.1 All necessary registers, accident books, diary, time book, test certificates, method statement, risk assessment, health and safety plan etc will be kept on site under the control of the Site Supervisor and can be inspected at any time. All accidents are to be reported to and entered in the site accident book.
- 5.2 A supply of spare hard hats, overalls, gloves, goggles, masks, welders gloves, face visors (when burning equipment is used) etc will be stored on Site.
- 5.3 At all times Staff of Encia Ltd will ensure a high standard of Health and Safety is carried out at all times on site.
- 5.4 All operatives on site must wear full PPE in accordance with HSE requirements including safety boots, hard hats and a high visibility vests or coat and LEP (Light Eye Protection) as standard.
- 5.5 The Encia Ltd 'no smoking on site' policy will be adhered to at all times, smoking will only take place in the site designated area.
- 5.6 Adequate segregation of pedestrians and vehicular traffic will be maintained at all times. Reversing of vehicles and plant will be minimised at all times. This will be highlighted on a site plan and will form part of the site induction for all operatives.
- 5.7 The site will be audited on by an independent SHE Manager and such an audit will be issued to the Clients Agent together with the Progress Report on a fortnightly basis.

6 OPERATION NO 1: SITE ESTABLISHMENT

- 6.1 The buildings are situated within a secure site boundary made up of the existing building walls and that of Palisade fencing.
- 6.2 Due to the fact that the demolition works are only partial we shall enclose our individual working areas / exclusion zones within the site by use of heras type fencing.

6 OPERATION NO 1: SITE ESTABLISHMENT continued;

- 6.3 Warning signs (as described below) will be displayed at the appropriate points around the perimeter of the site:
1. Danger Demolition in Progress
 2. Danger Demolition Keep Out
 3. Personal Protective Equipment requirements
 4. Warning to Children
- 6.4 All visitors to our site will be asked to sign in within the site office. They will be inducted into the activities being carried out that day and at all times whilst they are on site they will wear the required PPE and they will also be escorted by a member of Encia staff.

7 OPERATION NO 2: ASBESTOS REMOVAL

- 7.1 A Pre Demolition and Refurbishment asbestos survey will be produced and a copy will be present with the Construction Phased Health and Safety Plan.
- 7.2 We will appointed Winsulate (UK) Limited a suitably approved licensed Asbestos Removal Contractor to carry out the removal of all asbestos containing products with the exception of the asbestos cement based corrugated sheets and rainwater goods.
- 7.3 The HSE will be notified under the statutory ASB5 form on the Health and Safety Executive website www.hse.gov.uk of the intended asbestos removals that are to be executed on site and a copy of the notification will appear in the Construction Phased Health and Safety Plan
- 7.4 All method statements, Risk assessments and transit plans will be included within the CPHSP under Sub Contractor Method Statements and will form part of the on site documentation. All method statements and plan of works will be produced by Winsulate Limited following a further assessment of the site
- 7.5 No follow on activities will be carried out until we have received air clearance certificates/certificates of re-occupation from the asbestos removal supervisor to confirm that the areas are safe to enter.

8 OPERATION NO 3: CABLE STRIPPING

- 8.1 From areas which are free of asbestos, all electrical cabling will be removed for recycling prior to soft stripping and the demolition of the structure.
- 8.2 No cable-stripping work will commence until the electrical supplies to the site have been irreversibly isolated either to the main distribution board by the local electricity supply company or from the main distribution board by a suitably qualified electrician. In either case an isolation certificate will be required and will be displayed within the site office.
- 8.3 Demolition operatives using hand tools will cut into manageable sections all exposed electrical cabling and any which are easily extracted but which are not exposed. Large diameter electrical cabling is heavy, therefore it may be necessary to cut cabling into lengths of no more than 2 or 3 metres prior to moving it for further processing. Operatives are to exercise their judgement and experience when handling cut sections of cable to minimise the risks associated with manual handling.

- 8.4 Cabling in trays or otherwise present above floor level will be accessed using a scissor lift or a scaffold tower as appropriate. An exclusion zone will be created beneath the cable being cut-down using barrier tape to avoid the potential for anyone below the cable to be struck as it is allowed to fall to the floor. Consideration must be given to the possibility of a free end "whipping" due to self-weight.
- 8.5 Any circular saws used must be inspected daily and used only by trained operatives. The use of hand operated, hydraulic cable shears is preferred.
- 8.6 The removal of cable insulation and armour is to be undertaken using a purpose-built machine. Such machines have a number of safety features such as guards and remote emergency stops. All safety features are to be checked on a daily basis. None of the guards or other safety features are to be defeated or over-ridden. As with all machinery, long hair and loose clothing are to be securely tied-back to reduce the risk of the operator becoming entangled in the equipment.
- 8.7 All waste generated by the cable-stripping is to be disposed of appropriately, i.e: sheathing is to be placed in a general waste skip.
- 8.8 Under no circumstances is the sheathing to any cabling to be removed by burning.

9 OPERATION NO 4: SOFT STRIPPING

- 9.1 An internal soft strip of the buildings will be carried out by demolition operatives to remove as much of the waste materials from the building ahead of the demolition works.
- 9.2 Materials that are to be removed by the internal soft strip can include doors, door frames, fixed and non fixed furniture, carpets and floor coverings and other materials which obstruct the construction of asbestos removal enclosures.
- 9.3 Operatives will strip out all doors, frames, windows, timber of any description, (not appertaining to roof or main structure) toilets, pipe work, ducting, electrical items and any debris.
- 9.4 Any clean, unpainted constructional timber will be segregated from the general waste. Where this material is free of nails, screws, hinges etc it will be segregated for recycling by a specialist company. Any materials deemed as not suitable for recycling will be removed from site in skips as controlled waste to an appropriately licensed landfill site.
- 9.5 Where possible the materials will be loaded by hand method into skips and removed from the site. Where access for skips is not available the materials will be segregated and stored within the building where they will be removed at a later stage.
- 9.6 Once access for skips is available the materials will be loaded into the skips by use of the excavator and by hand method.
- 9.7 At no times shall operatives gain access to partially demolished or unsafe buildings to recover soft stripped materials, these materials will be removed by mechanical means and when safe to do so by hand method.
- 9.8 All soft stripped materials will be processed and segregated into individual waste/recycling streams. All materials deemed suitable for recycling will be

loaded into suitable skips and transferred from the site to a suitable recycling venue.

- 9.9 All waste materials unsuitable for recycling will be transported from the site where it will be taken to landfill facilities.

10 OPERATION NO 5: WORKING AT HEIGHT GENERALLY

- 10.1 Working at height will be restricted to a minimum, with the majority of high level demolitions being carried out by mechanical means i.e. Demolition type excavators / Plant fitted with controlled attachments such as mechanical grapples, concrete breakers, concrete pulverisors and buckets.
- 10.2 The main area where working at height will be carried out will be to remove the asbestos cement based corrugated roof and wall sheets that have been deemed accessible. All non asbestos roof and wall sheets will be removed by mechanical means.
- 10.3 Access to remove the asbestos cement roof and wall sheets will be carried out as described in Section 11
- 10.4 The other work element where we may need to work at height will be to carry out some pre-weakening on the Sand Plant installations.
- 10.5 Where access to work at height may be required access will be gained by use of either Cherry Picker or Scissor Lift type Mobile Elevated Work Platform.
- 10.6 At this moment in time this element of work requires further investigation and a full detailed method statement will be forwarded under a separate cover prior to works commencing.

11 OPERATION NO 6: REMOVE ASBESTOS ROOFS AND WALL SHEETS, GUTTERS AND DOWN PIPES

- 11.1 Some of the buildings on site have roofs and / or wall cladding comprising asbestos cement sheets which will be removed as described below after the building has been soft stripped but before the structural demolition work commences.
- 11.2 The asbestos cement roof sheets will be removed from below using a tower scaffold, scissor lift or cherry picker for access. Operatives working in the scissor lifts or cherry pickers will be harnessed to the structure of the machine.
- 11.3 Operatives will use hand held "pump sprays" to apply a fine mist of water to the underside of the sheet to suppress dust. The "J" bolts which secure the sheets will be bolt cropped. The sheets will be taken off whole and brought down to ground level where they can be safely placed in a designated asbestos waste skip.
- 11.4 Whilst the roof is being removed from the portion of the building which is adjacent to the footpath, a banks man will be in attendance to monitor the work and to make sure no members of the public get close to the work area.
- 11.5 Any broken asbestos pieces on the floor in various locations around the site will be placed into clearly labelled asbestos bags, double bagged and removed from site as special waste in skips.

- 11.6 Operatives undertaking all manual removal of asbestos sheets will wear P3 rated oral-nasal half facemasks, overalls and gloves. All asbestos sheets will be removed to a licensed landfill site and waste transfer notes provided.
- 11.7 Removal of asbestos-cement products is not a notifiable activity subject to Regulation 9 of the Control of Asbestos Regulations 2006 since it falls within that category of material described in Regulation 3(2)(c)(ii) although other general obligations concerning identification of and work with asbestos-containing materials apply. Removal of asbestos-cement materials is governed by "Working with Asbestos Cement", 2nd Edition). Asbestos cement has an extremely high density (greater than 1 tonne per cubic metre), the high density of asbestos cement results in the fibres being "locked in" and the only method of removal advised by ARCA is a common sense approach i.e. the use of a hosepipe to keep the material well wetted if required and to remove the sheets whole if possible.
- 11.8 At the end of each shift all suits will be placed into a clear waste bag and disposed of within the asbestos waste skip. Boots will be washed with clean water and a rag before transiting through the site.
- 11.9 At times when we are carrying out works to remove the asbestos cement based roofing sheets, we will arrange for an airborne analytical company to attend site to carry out both background monitoring and that of personal air monitoring. The findings of the airborne analysis will be retained on site within the CPHSP
- 11.10 Consequently, in accordance with current guidelines it has been assessed that the exposure limit will be well below the accepted control limit of 0.1 fibres per cubic centimetre (i.e.: 0.1 f/ml).

All asbestos waste will be dealt with by Life Environmental Limited
Contact: Martin Ledger Tel: 07850 259237

12 OPERATION NO 7: DEMOLITION OF BUILDINGS GENERALLY

- 12.1 The majority of buildings on site are that of steel framed type structures, with brick infill up to 4 metres in height and remainder clad in a mixture of steel and asbestos cement based sheeting.
- 12.3 A pre demolition photographic survey will also be carried out of the office block and a copy will be retained on site as part of the CPHSP.
- 12.1 Prior to any structural demolitions taking place, the site supervisor and plant operatives will walk the building to confirm whether or not there are any voids, basements present.
- To prevent a collapse of the floor during mechanical demolitions, any voids that are identified will be backfilled level clean hardcore level with the existing ground level.
- 12.2 The site will be enclosed by use of heras type fencing and the extent of the Encia controlled site will be marked on a plan and issued to Federal Mogul. Warning signs will also be displayed on the site boundary in clear and visible positions.
- 12.3 Should FM wish to gain access onto site then they must first report to the Site Manager within the Encia site office. The site manager will then escort the FM member of staff onto site and remain with him/her for the duration of the visit.

- 12.3 The buildings that are to be demolished will be soft stripped as described in **Section 9** above.
- 12.4 All accessible asbestos cement based corrugated sheeting will also be removed as identified in **Section 11** above
- 12.5 The metal roof and wall clad sheets will be removed by use of a demolition excavator fitted with a grapple type attachment.



Photo shows demolition type excavator fitted with grapple type attachment.

- 12.6 The 45t excavator with grapple type attachment will de-sheet the entire building perimeter, by grabble a hold of the sheeting at placing it on the floor below. All such sheeting will then be re loaded mechanically into suitable sized skips and transported from the site for disposal.
- 12.7 Once the building has been reduced to a steel frame, it will be systematically cut down using the shears on the 45t excavator.
- 12.8 Each roof truss will be cut free of the head of one of the supporting columns and lowered towards the ground; the other end of the roof truss will be free of the head of the supporting column and lowered to the ground where, still using the shears attachment on the 45t excavator, it will be further cut-down to allow it to be placed into a 28m³ roro skip for subsequent removal from site for recycling as scrap.
- 12.9 Isolated columns will be folded-over to the horizontal by application of force at two-thirds height by the 20t excavator. Once horizontal, the column will be cut near its base and further reduced in size as necessary using the shears attachment on the 20t excavator before being transferred into a 28m³ roro skip for subsequent removal from site for recycling as scrap.
- 12.10 The process described in Paras 12.4 to 12.8 will be repeated until the demolition of the building has been completed.
- 12.11 Once the demolition of the building has been completed and all waste, timber and steel skips removed from the works area, the masonry etc will be stockpiled within or adjacent to the footprint of the building for processing (crushing) at a later date and the exclusion zone will be removed.
- 12.12 All steel will be removed from the site in suitable skips that will be transported from the site for disposal.
- 12.13 Prior to commencement we will identify the disposal venues for all waste materials arising from the demolitions.
- 12.14 Due to the location of the **Directors Canteen**, there is no current vehicular access to this part of the site. To enable us to demolish this building and

place waste skips within the demolition zone, we will need to form a temporary access road across the green fields either from the car park area between Blocks N & M or the access point off Burrfields Road.

- 12.15 The temporary access road will be formed by first removing the top soil and that of the sub road to the footprint of the propose road layout. Then a 6F2 type recycled material will be compacted in layers along the course of the road to provide us with a suitable hard running surface. Where the access road meets the directors canteen we will produce an extended turning circle to ensure that the delivery vehicles has sufficient space to manoeuvre and go out the same route which they entered the site.

14 OPERATION NO 8: EXCAVATION OF FLOOR SLABS AND FOUNDATIONS AND THE CRUSHING OF ALL DEMOLITION RUBBLE

- 14.1 Ground floor slabs and foundations will be excavated to a depth of 1.5 metres by use of a demolition type excavator fitted with a selection of attachments such as bucket, hydraulic hammer etc.
- 14.2 All slabs and foundations will be processed and reduced in size where they will then be passed through our on site crushing plant.
- 14.3 Any voids arising from the demolition excavations the sides will either be battered back in a one in two, one in three ratio or smaller excavations will be filled with site won materials
- 14.4 Crushing
- 14.5 Mobile crushing plant will be in use throughout the contract period and located sensibly close to stockpiles of material to be processed. The resulting crushed product will be stockpiled in an area to be agreed with the Resident Engineer (RE). The equipment to be utilised shall be licensed by a local authority. A water supply shall be connected to the dust suppression apparatus of the crusher which shall be operational at all times during the crushing. No crushing is to take place until the dust suppression system is functioning.
- 14.6 The crushing plant will be fed by a 360° excavator. Oversize material will be sized in the processing works and the remaining reinforcement will be removed from the discharge conveyor by an overband magnet discharging into a skip unit.
- 14.7 The crushed product will be removed to stockpile by a rubber tyred or tracked loading shovel.
- 14.8 The following requirements will apply to the operation of the mobile crusher:
- (a) No attempts shall be made to defeat any safety device.
 - (b) No guard shall be removed from any part of the crusher or screen unit whilst the system is in operation.
 - (c) During normal operation, the crusher operator will periodically check that: -
 - (i) There is no undue vibration of the crusher
 - (ii) There are no signs of overheating
 - (iii) The crusher is working correctly
 - (iv) The emergency stop is operational

- (d) No attempts shall be made to remove any obstruction from the lump breaker unless the power to the infeed unit, the discharge conveyor and the crusher has been isolated and locked off.
- 14.6 All crushed arisings will be stockpiled at agreed points within the site where it will be used by the client at a later date
- 14.9 All maintenance work to the crusher or screen unit other than routine lubrication via properly designed external connections will be undertaken under lock-off conditions, i.e. the person undertaking the work will close down and remove from the unit the isolator key. A sign stating 'Maintenance Working Operation' will be hung in a prominent position adjacent to the key location. The isolator key will be carried by the maintenance engineer or crusher operator whichever is undertaking the work until the task is complete.

15 OPERATION NO 9: PREVENTION OF POLLUTANTS ENTERING SURFACE WATER COURSE

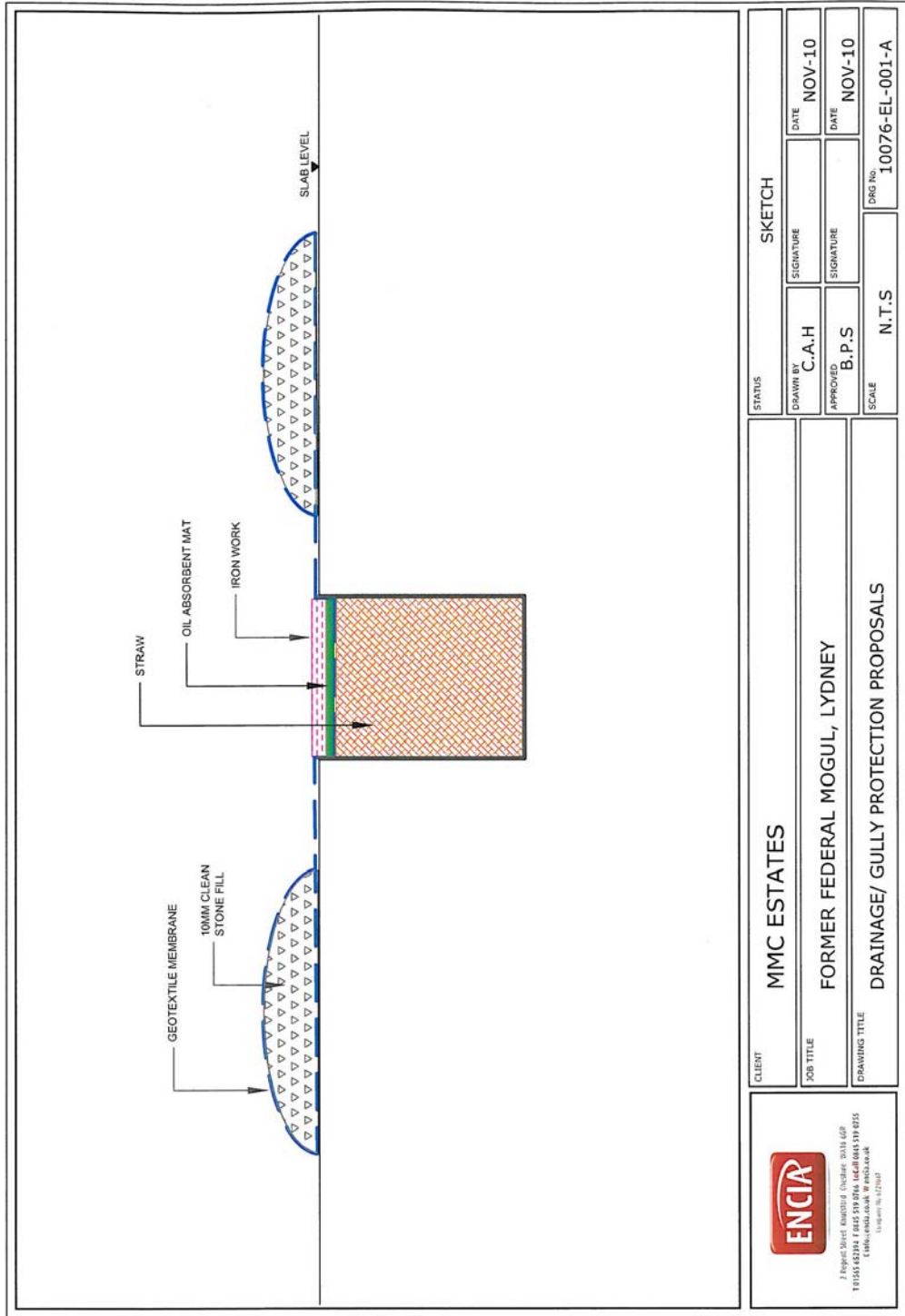
- 15.1 We presume that Federal Mogul currently hold an active license for the whole site area permitting the discharge of surface water off site into the adjacent surface water course. Within this license agreement we understand that Federal Mogul have stipulated threshold levels for suspended solids etc and daily water samples are taken for analysis to ensure the permit threshold values for discharge are not exceeded.
- 15.2 There may also be the potential for hydrocarbon contaminated runoff associated with potential hydraulic spills which can occur during demolition activities.
- 15.3 Prior to the removal of the main foundry roof structure we are proposing to implement the following measures to all drains surrounding the perimeter of the foundry structure:
- All drainage/ surface water gullies to be packed with straw.
 - The drainage covers will be lifted and a layer of permeable geotextile (terram 1000 gauge) will be placed on the concrete slab and over the opening before the covers are replaced. The geotextile will sit in between the straw and the gully cover. The geotextile will surround the drainage cover by approximately 2m diameter.
 - On top of the geotextile prior to the re-placement of the drainage/ gully covers oil absorbent pads will be placed to mitigate the potential for hydrocarbon impacted fluids to enter the surface water courses should any hydraulic spills occur on site.
 - Surrounding each drainage cover sat on the geotextile will be a small bund of 10mm clean stone (no fines) wrapped in geotextile.

Should any rain/dust suppression required during the demolition activities wash such materials towards the drainage network the measures detailed above would prevent foundry sand particles from being discharged at

elevated levels off site. On a regular basis the accumulated sand around the geotextile filtration system will be removed and the site surface swept clean. The site drainage covers will be lifted on a regular basis to ensure the filtration system is working effectively. The oil absorbent mats and the geotextile within the drains will be replaced/ cleaned as required.

Encia Limited will liaise with Federal Mogul on a daily basis to ensure that the discharge permit criteria are achieved. Should there be a significant difference in the water quality currently being discharged once the demolition works has commenced then we will review our control measures.

On the following page is the detail used to protect drainage gullies on the Federal Mogul Foundry site in Lydney, Gloucester. It will be the same control measures which we propose to utilise on this site.



CLIENT MMC ESTATES		STATUS SKETCH	
JOB TITLE FORMER FEDERAL MOGUL, LYDNEY	DRAWN BY C.A.H	SIGNATURE	DATE NOV-10
DRAWING TITLE DRAINAGE/ GULLY PROTECTION PROPOSALS	APPROVED B.P.S	SIGNATURE	DATE NOV-10
DRAWING TITLE DRAINAGE/ GULLY PROTECTION PROPOSALS		SCALE N.T.S	DRG No. 10076-EL-001-A

A4 border: 223 x 153



Registered Office: Encia Limited, Duncraig, 20115 GPR
 11/155 Park Road, Duncraig, Glasgow G11 5PP 0755
 E: info@encia.co.uk W: encia.co.uk
 Registered No. 1127942

- 15.4 The above ground hardcore and the concrete slabs grubbed up will be processed and crushed to stockpile on site. This hardcore will be tested for 6F2 grading, chemically (full suite analysis) and asbestos screened at a frequency of 1 per 500m³.

16 OPERATION 11 – UNDERGROUND STORAGE TANKS

- 16.1 During the demolition works there will be the potential to uncover some underground storage tanks. It is our understanding that all above and below ground storage tanks would have been appropriately de-commissioned by Federal Mogul prior to vacating the building, however, in the event we should encounter any underground storage tanks we will immediately sample any free product and then appoint our specialist contractor 'J.W Hinchliffe (Tanks) Limited' to empty, clean and degass the vessel. The appointed contractor will then issue Encia Limited with a Gas Free Certificate and a Hazardous Waste Consignment Note for the waste removed from site.

I acknowledge that I have read the Demolition method statement I am aware of its content and its applicability to my role and activities on site.

Name (Print)	Signature	Date	Company Name	Site