

PROJECT NUMBER**Decommissioning 017****PROJECT:**

Warehouse 1& 2

PLANT:

Warehouse 1 & 2

**DOCUMENT
REFERENCE:**D017/EIC/001
Project Scope**DATE:**17th September 2012**BY:**

P. Davies

Reference Documents:

Title	Document Reference	Rev. No.	Date
P1A Production Building	D017/Process/001	1	08 th Aug 2012
Electrical Isolation Decommissioning Procedure	EIC-002	1	22 nd Nov.2011
Instrument Isolation Decommissioning Procedure	EIC-003	1	23 rd Nov. 2011
Electrical Lockoff Decommissioning Procedure	EIC-006	1	24 th Nov.2011
Electrical Lockoff Decommissioning Record Sheet	EIC-007	1	25thNov.2011

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1. Introduction

Production on the Pontypridd Site is due to cease in mid 2012. A structured approach to the decommissioning of the site production plant and equipment is required. This project is one of several minor projects being raised to electrically isolate, disconnect and lock-off all identified electrical equipment.

2. Summary

The majority of electrical and instrument equipment, cabling and containment will be isolated and removed. Other essential utilities such as General lighting, Emergency Lighting and Fire Alarm Systems supplies and equipment will be required to maintain the reduced requirements of the site.

A list of the equipment to be decommissioned can be found in the Industrial Biocides Plant project document, D017/PROCESS/001. A copy of this document is within this project scope.

3. Project Scope

3.1 Electrical Scope

- Equipment and cabling systems in this production area have not been readily tagged or identified. It is extremely important that all supplies to and from equipment shall be confirmed 'live' and 'dead' before the cutting of cables and removal of equipment.
- In the instrument / electrical switch room where equipment supplies have been isolated and disconnected, provide a 'physical barrier' by cutting those electrical supplies at the source of supply.
- Where there is a requirement to remove electrical panels / equipment from the electrical switch-room. All electrical supplies to the equipment must be isolated, disconnected and removed back to main electrical supply source.
- Items of equipment that cannot be disconnected from its main supply must have a Lock-off tag and lock attached.
- There are several items of equipment and electrical supplies from both Warehouses which need to be reviewed before electrical isolation takes place.

3.2 Instrument Scope

- Isolate, disconnect and if required remove all instrument power supplies and cabling to redundant equipment.
- At the secondary supply point isolate, disconnect and remove air supplies to pneumatic equipment.
- At the instrument / electrical supply room where supplies have been isolated and disconnected, provide a 'physical barrier' by cutting those electrical supplies at the source of supply.
- Where there is a requirement to remove instrument panels / equipment from the electrical switch-room. All electrical supplies to the equipment must be isolated, disconnected and removed back to main electrical supply source.
- Miscellaneous items of equipment must be reviewed before isolating and removing.

3.3 Process Control Scope

- There are no process controls or semi-automatic control equipment associated with either warehouse.

3.4 Safety Considerations

- Identification of cabling and equipment is limited. Therefore check and re-check power supplies have been removed before cutting any cables.
- Equipment documentation is almost non existent. Therefore extra vigilance will be required when isolating and testing electrical circuits.
- Within the working environment there will be areas or sections which may potentially be of an asbestos material. No work shall be carried out within these areas which could cause disturbance of any such material.
- If cables are required to be removed in close proximity to such areas then these cables must be physically cut as not to disturb any asbestos or potential asbestos material.
- As there is a requirement to maintain essential power supplies consideration should be taken not to remove any earth protection equipment or cabling systems that may still be required to be functional.

3.5 Remaining Equipment to be Maintained

- The following systems are to be maintained.
- General lighting.
- Emergency Lighting.
- Fire Alarm Systems.

PROJECT NUMBER***Decommissioning 017*****PROJECT:***Warehouse 1&2***PLANT:***Warehouse 1&2***DOCUMENT
REFERENCE:***D017/PROCESS/001
Project Scope***DATE:***8th August 2012***BY:***Jane Mills***Project Approvals:**

Name	Position	Signature	Date
Jane Mills	Site Engineering Manager		
Paul Davies	Project Engineer		
John Spence	Project Engineer		
Scott Cinderby	ESHA Manager		
Michael Macintosh	Plant Manager		
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1. Introduction: Business Case

Production at the Clariant Production UK Ltd, Pontypridd site has ceased and it is proposed to demolish the site.

The purpose of this project is to ensure that the equipment in Warehouses 1&2 are decommissioned in such a way to leave the plant in a known condition.

As Pontypridd site is due to shutdown, it is essential that the condition and status of all plants is known and recorded in order to reduce the potential of accidents or incidents during any future demolition activities. This project will ensure that the plant status is recorded and any isolations/equipment removals are documented.

2. Project Summary

This project details the activities and isolations required for decommissioning to ensure that the plant is left in a "known" condition and all services (e.g. power, utilities) are left "cold & dead". As the building is to be demolished, the isolation of lighting and power supplies will be completed as the final part of the decommissioning activities in Project D014 – Utility supplies.

There are a number of items of equipment that have been identified for transfer to the Tarragona site in Spain. These include the 2 shrink wrap machines in Warehouse 2. The racking has also been identified as an item for resale.

All other items of equipment are due to remain in the building once decontaminated and decommissioned. It is currently anticipated that this equipment may be either sold or scrapped by the demolition contractor during any demolition activities.

The main items of equipment covered by this decommissioning are:

- Warehouse 1
 - 1 x shrink wrap (Payne Strapping Systems)
 - 3 x roller shutter doors
 - Warm room (Complete with 3 wall heaters and controller)
 - Racking system
 - Fire alarm panel for both warehouses
 - Telephone/Network box for telecommunications with Warehouse 2.
- Warehouse 2
 - Heat Tracing panel for fire hydrants
 - 2 x shrink wrap (Mateo)
 - 2 x roller shutter doors
 - 3 x battery charges for FLT/floor cleaner
 - Racking
 - 2 x computers
 - 3 x SAP label Printers
 - 2 x normal printers
- Dock Leveller (Located outside Warehouse 2, but power supply from warehouse 2).
- Rain water Sump – to be included in DTS Project
- Power supply to temporary buildings
 - Office
 - ISO Container (lights and sockets)
 - Portacabin (lights and sockets)
- Utility supplies
 - Electricity

The decontamination/decommissioning of any other equipment in either of the warehouses is outside the scope of this project and will be dealt with separately.

3. Project Scope

3.1 Process/Production

Decontamination of Warehouse 1 & 2 in D017/PROCESS/006 – Decontamination Procedure

3.2 Mechanical Scope

There is no mechanical work associated with the decommissioning of Warehouse 1 & 2.

3.2 E.I & C Scope

Electrical, Instrumentation and Control decommissioning of Warehouse 1 & 2 as identified in D017/E.I&C/001 – E.I.&C Scope Document.

3.3 Other

- Update SAP to remove delete/disable preventative maintenance routines.
- Review spares and assess any changes to spares holding.
- Update asset register with plant status.

4. Project Schedule

4.1 Project Schedule

Plant will be available for decommissioning to start mid August 2012.

5. Reference Documents

- See D017 - Document Register for details of all project documents.

EIC PROJECT ENGINEERING DOCUMENT
D017 WAREHOUSE 1/2
EIC INSTRUMENT LIST

Ref.	PI	Tag number	Vessel	Description	Equipment Status									
					Isolated (√/X)	Locked Off (√/X)		Air Supply Removed (√/X)		Cable Removed (√/X)	Equipment Removed (√/X)		Date	Name
		OLD WAREHOUSE												
1	DB	1001	C1	NZ PRANTRROOM	✓									
2			C2	NZ USA SOCKET	✓									
3			C3	ROLLER DOOR WEST	✓									
4			R4	DIST BOARD OFFICE	✓									
5			Y4	HEATER	✓									
6			B4	HEATER.	✓									
7			R5	DIESEL STATION SOCKET	✓									
8			Y5	DIESEL STATION LIGHT	✓									
9			R6	ALARMS.	✓									
10			B6	HEATER WARM ROOM	✓									
11			R7	HEATER WARM ROOM	✓									
12			Y7	HEATER WARM ROOM	✓									
13			C8	ROLLER DOOR WARM ROOM	✓									
14			C3	ROLLER DOOR WEST										
15			B5	OUTSIDE LIGHTS										
16			Y6	WAREHOUSE LIGHTS										
17														
18														
19														
20														
21														
22														
23														
24														

EIC PROJECT ENGINEERING DOCUMENT
D017 WAREHOUSE 1/2
EIC INSTRUMENT LIST

ADDITIONAL INSTRUMENT EQUIPMENT REGISTER

Equipment Status											
Ref.	PI	Tag number	Vessel	Description	Isolated (√/x)	Locked Off (√/x)	Air Supply Removed (√/x)	Cable Removed (√/x)	Equipment Removed (√/x)	Date	Name
		NEW	WAREHOUSE								
1											
2		R1		Row A							
3		Y1		Row B							
4		B1		Row C							
5		R2		Row D							
6		Y2		SPUR 1							
7		B2		SPUR 2							
8		C3		WRAPPER TWO							
9		C4		WRAPPER ONE							
10		C5		ROLLER DOOR ONE							
11		C6		ROLLER DOOR TWO							
12		C7		BATTERY CHARGER							
13		R8		SOCKETS							
14		Y8		SOCKETS							
15		B8		SOCKETS							
16		C10		BATTERY CHARGER							
17		C11		BATTERY CHARGER							
18											
19											
20		R1		TRACE HEATING PANEL							
21		C3		DOCK LEVELER							
22		R7		OUTSIDE OFFICE							
23		Y7		OUTSIDE LIGHTS							
24		B7		OUTSIDE LIGHTS							
25											
26											
27											
28											
29											
30											

EIC PROJECT ENGINEERING DOCUMENT
D017 WAREHOUSE 1/2
EIC ELECTRICAL LIST

Ref.	PI	Tag number		Vessel	Description	Equipment Status										
						Isolated (√ / x)		Fuses Removed (√ / x)		Cable Removed (√ / x)		Locked Off (√ / x)		Equipment Removed (√ / x)		Date
1																
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Ref.	PI	Tag number		Vessel	Description	Equipment Status											
						Isolated (√ / x)		Fuses Removed (√ / x)		Cable Removed (√ / x)		Locked Off (√ / x)		Equipment Removed (√ / x)		Date	Name
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