



Kepak Group Limited
Merthyr Tydfil

Site Closure Plan

SITE CLOSURE PLAN - MERTHYR

Ref: EP 706

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The following document describes the procedures that will be used to safely decommission the St. Merryn Meat Ltd Meat Processing Unit in Merthyr Tydfil. The decommissioning scenario should only arise as a result of permanent closure of the site or whereby ownership is passed to another company that does not require some or all the facilities currently available.

1. General Considerations

Before decommissioning activities commence, Natural Resources Wales will be notified in writing. Following decommissioning, a Site Closure Application will be prepared and submitted to Natural Resources Wales. The contents will include:

- A Site Report describing any changes from the condition identified in the original Site Condition Report submitted to Natural Resources Wales with the IPPC Permit Application (Volume IV).
- An updated Site Closure Plan with the proposed steps to be taken to return the site to a satisfactory state.

While it is considered that the operations at the installation should not lead to any deterioration of the environmental conditions on or under the site, St. Merryn Meat Ltd. is committed to ensuring that, as far as practicable, the decommissioning returns the site to its original condition and it is carried out in a manner that minimises any impact to the environment and as agreed with Natural Resources Wales.

2. Decommissioning of General Site Equipment and Plant

Before the plant decommissioning starts, all animal products and by-products will be removed from site either by selling to third parties or transferring to other sites.

Animal waste will be disposed of to a suitable licensed facility.

All general site equipment and plant will be cleaned and disinfected before removal from site.

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3. Decommissioning of Bulk Gas Facilities (Oxygen and Carbon Dioxide)

The bulk gas facilities will be decommissioned and removed by the supplying company, Air Products PLC in accordance with legal requirements.

All associated pipework in the factory will be disposed of at a suitably licensed disposal facility.

4. Decommissioning of Laboratory Facilities

In the event of a site or laboratory definite closure, the following will need to be considered:

- **Hazardous materials** (e.g., chemical, biological, or radioactive material) in the laboratory must be properly disposed or packaged according to acceptable safety standards for relocation. There are no radioactive materials used in the laboratory.
- **Scientific/medical equipment** (e.g., centrifuges, incubators, water baths, laboratory hoods, Microbiological Safety Cabinet, ovens, autoclaves) must be properly decontaminated, emptied, and cleaned prior to being stored or relocated to another area.
- **High voltage or energy source equipment** must be rendered safe prior to being moved or stored. None currently used in the laboratory.
- **Partially used or unused gas cylinders** must be returned to the distributor or manufacturer. None currently used in the laboratory.

The details of the laboratory decommissioning procedure are further described in the Laboratory Manual.

5. Decommissioning of Refrigeration Systems

Refrigeration South West (or other suitably qualified contractor) will carry out the decommissioning of the refrigeration systems as described below:

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- Refrigerated systems at the installation will be "pumped down" to remove refrigerant from evaporator coils and pipework. At this stage, recovered refrigerant, either in gas or liquid form, will be pumped into to the system's liquid receivers.
- Using refrigerant reclaim machines all refrigerant will be transferred into specialised recovery cylinders supplied by a licensed body.

Cylinders will be weighed prior to and during use to avoid overfilling and to ensure that all refrigerant is removed from the system. Cylinders will then be labelled as to the material inside, serial numbers allocated for each cylinder and removed from site to a registered collection centre. Recovered refrigerant will either be reclaimed or destroyed, depending on quality and the regulatory requirements prevailing at the time.

- All compressor oils will be drained into adequate containers, removed from site and destroyed.
- Any pipe work will be capped, by welding/brazing, to prevent oil residue from leaking out.
- Pipe work and wiring will be removed and disposed of to a suitably licensed disposal facility
- Insulation materials, although non-hazardous will be collected and destroyed by specialist contractor.
- Individual plant rooms, evaporators condensers and compressors will be hermetically sealed, identified with individual serial numbers for traceability purposes, and removed from site to a central storage area or as directed to suit the company requirements.
- All penetrations into the building for refrigeration services, and exposed upon removal of said equipment, will be sealed and "made good".
- Apart from any concrete plinths and any evaporator supports that are part of the building structure, all refrigeration components will be isolated and removed as described.

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6. Decommissioning of Boiler Systems

- Removed chemicals will be disposed of to a suitable recovery or disposal facility using a suitable licensed waste disposal contractor.
- Where practicable, components from the boiler system will be recycled for use elsewhere. Components that cannot be recycled will be disposed of to a suitable disposal facility.

7. Decommissioning of Compressor Systems

- Compressors will be switched off as soon as their operation is no longer required and electrics will be isolated.
- All compressor oils will be drained into adequate containers, removed from site and destroyed.
- Compressors will be hermetically sealed, identified with individual serial numbers for traceability purposes, and removed from site to a central storage area or as directed to suit the company requirements.
- After depressurising, any pipe work will be capped, by welding/brazing, to prevent oil residue from leaking out.
- Pipe work and wiring will be removed and disposed of to a suitably licensed disposal facility

8. Decommissioning of Vacuum Systems

- Pumps will be switched off as soon as their operation it's no longer required and electrics will be isolated.
- Oil will be drained from vacuum pumps into adequate containers, removed from site and destroyed.
- Pumps will be hermetically sealed, identified with individual serial numbers for traceability purposes, and removed from site to a central storage area or as directed to suit the company requirements.

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9. Decommissioning of Fuel Oil Storage Tank

- The fuel oil storage tank, associated pipework and fuel pumps will be drained and decommissioned by approved contractor, ensuring that the integrity is maintained and that free product is unable to enter the ground and ground water. This will be carried out in accordance with the *DEFRA Groundwater Code – Petrol Facilities Below Ground, Nov. 2002*, or the superseding version. Staff and contractors will be briefed in the need to monitor this activity for any spillage, and a suitable contractor (e.g. Biffa) will be on site ready to clean any spillages or leaks immediately. Suitable bunding and spill kits will also be made available.

10. Decommissioning of Drainage System Pipework

- Drainage system pipework will be drained and washed out by a suitable specialist contractor before disposal.

11. Decommissioning of Cleaning Chemicals Storage Vessels and Associated Pipework

- All chemical storage vessels and containers and associated pipework are located above ground.
- Chemical storage containers and vessels will be returned to the suppliers or will be emptied, washed out and disposed of off-site by a suitable specialist contractor, as appropriate.
- Associated pipework will be drained and washed out before disposal.
- Bund and other spillage containment equipment will also be washed before dismantling and removal from site.
- A suitably licensed waste disposal contractor will dispose washings of off-site.

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12. Decommissioning of the Blood Tanks

The blood tanks on site will be decommissioned subsequent to all activities within the slaughter hall have ceased and cleaning of the area has been completed to ensure all blood has been captured.

- The associated drainage system and pipework will be drained and washed out to the blood tanks before disposal.
- All associated pumps and tanks will be emptied by licensed contractors for suitable disposal of remaining contents.
- The tanks will be washed out and removed by suitable specialist contractor.
- In addition, bunds and other spillage containment equipment will be washed before dismantling and removing from site.

13. Decommissioning of Effluent Treatment Plant

The Effluent Treatment Plant (ETP) will be decommissioned once all other site activities have ceased and this will be done in accordance with detailed procedures from the manufacturer.

- All parts of the ETP that have come into contact with the main stream will be disinfected before removal.
- All chemical storage vessels and associated pipelines will be emptied and flushed with water into suitable transit storage containers before removal from site.
- Removed chemicals will be disposed of to a suitable recovery or disposal facility using a suitable licensed waste disposal contractor.
- Where practicable, components from the ETP will be recycled for use elsewhere. Components that cannot be recycled will be disposed of to a suitable disposal facility.

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14. Decommissioning of Natural Gas Supply

Gas supply will be decommissioned in line with the supplier's guidelines.

15. Dismantling of Buildings

Asbestos materials were not used in the construction of the installation.

Site buildings will be dismantled in accordance with requirements of Guidance Note PPG 6 "Working at Construction and Demolition Sites". Adherence to the requirements of PPG6 will ensure that the potential of uncontrolled releases from the site (noise, dust and surface water run off) during decommissioning will be minimised.