

ATTACHMENT K: DECOMMISSIONING, REMEDIATION, RESTORATION AND AFTERCARE

The proposed lifetime of the transfer station is unlimited. Thus there is no short or long term plan to stop operations. In the unlikely event of the closure of the facility the following decommissioning process would take place. A revised decommissioning plan will be drawn up for the fuel blending facility before waste is accepted for blending.

The overall plan will be reviewed annually by AVR-Safeway.

K.1: DECOMMISSIONING

Decommissioning of the transfer will take place as follows:

1. Stop Acceptance of Waste: No new waste will be accepted on site and existing contracts will be terminated.
2. Removal of all Waste Materials: All waste materials will be removed and sent for recovery or disposal as usual.
3. Removal of Raw Materials and Prime Chemicals: All raw materials and prime chemicals will be sold, returned to the vendor or disposed of in an approved manner.
4. Fuel Blending Facility: The fuel blending facility will be emptied, cleaned, decontaminated, decommissioned and demolished as described in Section K.3.
5. Plant and Equipment: All plant and equipment will be cleaned, decontaminated and sold or disposed of as appropriate.
6. Existing Infrastructure: The existing infrastructure will either be sold intact or demolished.
7. Site Monitoring: A thorough monitoring programme will be implemented to ensure that there is no residual pollution, In particular the ground water under the site and in the vicinity.
8. Validation Report: A validation report of the decommissioning process will be produced.

Costs of the above have been estimated and a bond is in place to cover the estimated costs. These include a contract with the Aquatic Services Unit of University College Cork for 5 years worth of monitoring of groundwater and other appropriate parameters.

K.1.1: TERMINATION OF WASTE ACCEPTANCE

Once it is determined that the transfer station is to close waste will no longer be accepted. However this will not be an instant process. Arrangements will be made to assist customers to find alternative vendors of waste management services. It is estimated that these will take up to three months to complete in full.

K.1.2: REMOVAL OF ALL WASTE MATERIALS

All waste materials will be shipped off site to the normal outlets, whether for recovery or disposal. Where the usual outlets do not accept materials, alternative routes will be found, documentation will be prepared and the waste will be sent to other approved outlets for disposal.

Oil interceptors and grit traps will be emptied and cleaned and all materials removed will be sent for disposal in approved facilities. All laboratory waste, including retained samples will be disposed of at approved facilities.

K.1.3: REMOVAL OF ALL RAW MATERIALS

Attempts will be made to sell or return to vendors all raw materials, including unopened containers of laboratory chemicals. Where this is not possible the materials will be sent for recycle, recovery or disposal in approved facilities.

Any prime chemicals will either be forwarded to the customer or returned to the vendors.

K.1.4: FUEL BLENDING FACILITY

In the unlikely event of the closure of the fuel blending facility or if it is to be temporarily shut down for more than six months, it will be decommissioned. This process will remove all materials and wastes and render safe all ground, plant and equipment.

K.1.4.1: Removal of fuel/waste

The contents of the fuel blending facility will be pumped out into tanks and sent for recovery or disposal as appropriate. If possible any unblended waste will be blended to make fuel for sale. If this proves impossible, the waste will be unloaded from T-1 to T-5 directly to tanks for disposal. The tanks will be mixed before pumping out and the material will be taken from the bottom section so that as much solid as possible is removed.

K.1.4.2: Cleaning and Decontamination

As much of the material in the tanks as possible will be removed by normal means. The residues will be removed by a specialist cleaning contractor who will clean and decontaminate the tanks and the associated equipment.

K.1.4.3: Demolition

The facility will be demolished and the equipment and fittings sold for reuse or sent to recycling or disposal. A specialist contractor will be used.

K.1.5: EXISTING PLANT AND EQUIPMENT

This will be cleaned removed in accordance with the provisions in recorded in the Current Decommissioning Plan, which forms Appendix 1 of this Attachment. This document originally formed Attachment G-1 of the original License 50-1 application, and has been updated to reflect changes in the transfer station equipment and infrastructure.

K.1.6: INFRASTRUCTURE

The fate of the plant infrastructure will depend on the future use of the site. The warehouse and other above ground structures could be readily removed or retained for use by another venture. The below ground structures, the concrete slab, the septic tanks and soak away and the oil interceptors would be more difficult to demolish and could will be retained. However all infrastructure will be validated as clean and posing no risk of environmental contamination before the decommissioning can be declared complete.

K.1.7: TEST PROGRAMME

All parameters identified in the site monitoring programme will be sampled and tested, with the exception of noise. This programme will determine whether there has been any contamination of the vicinity of the transfer station. If any contamination is found further investigations will be carried out to determine the source and the nature of said contamination and a proposal for remedial measures will be proposed to the Agency for its agreement.

K.1.8: VALIDATION REPORT

Once the decommissioning plan is implemented a Validation Report will be prepared, to confirm that there is no risk of future contamination of the environment from the site. The report will be submitted to the Agency within three months of the execution of the decommissioning plan.

The validation report will address:

1. Disposal or recovery of all wastes
2. Disposal or reuse of all unused raw materials
3. Decommissioning of all plant and equipment
4. Disposal of all equipment
5. Results of monitoring and testing
6. Requirement for future monitoring.

K.2: AFTERCARE

It is not envisaged that any aftercare will be needed other than monitoring. The construction of the Transfer Station (see Attachment D.1.1) makes long-term pollution unlikely. The detailed monitoring program undertaken will detect any pollution soon after it occurs or starts and efforts to address the problem will be implemented. The decommissioning plan detailed above will ensure that there is no waste remaining on the site and thus will remove all possible sources of pollution.

In addition, contract for continuing the monitoring program for five years after the decommissioning of the facility has been negotiated with the Aquatic Services Unit of University College Cork. Financial provisions for this have been made. See K.3.

In the unlikely event that any problems are detected by this monitoring, remediation will be planned and implemented. Any costs incurred will be paid out of the Financial Provisions (See K.3).

K.3: FINANCIAL PROVISIONS

A financial bond has been set up by AVR-Safeway Ltd. to cover any costs associated with the decommissioning and aftercare of the Waste Transfer Station. This is re-negotiated annually and the final wording and amount are approved by the Agency. The terms of the bond are confidential. Details of the bond are furnished to the Agency annually,

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