

15th September 2021

Wasteserv Malta Ltd.
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Malta

DECOMMISSIONING PLAN FOR SECONDARY STORAGE SYSTEM

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| Work Details: | Decommissioning plan for secondary storage system | Address: | Sant' Antnin Waste Treatment Plant, Triq Sant' Antnin, Marsascala, Malta |
| Details of Responsible Person | Ing. Noel Ciantar | Report No.: | SAWTP/DP/21/01 |

Decommissioning Plan for the Fuel Tank at the Sant' Antnin Waste Treatment Plant

We refer to the existing secondary storage at Sant' Antnin Waste Treatment Plant, on behalf of the client, Wasteserv Malta Ltd. Please find enclosed a decommissioning proposal report based on the APEA Blue Book where applicable and HSG176 Storage of Flammable Liquids in Tanks.

1.0 Scope of Report

The scope of this report is to propose the safe decommissioning of the secondary storage fuel tank.

2.0 Technical Specification of Existing Tank

The facility has a 9000 litre secondary storage diesel tank that is no longer used. The tank was locally manufactured but does not have any further information with regards to model or serial number. The diesel tank is single skin with a bund built around it and is located outside.



3.0 Decommissioning Plan

This decommissioning plan is drawn so that the secondary storage tank is permanently decommissioned in the safest possible way.

The work associated with decommissioning the fuel containment system should only be carried out by competent persons such as contractors specializing in this field of work. The site operator has duties to ensure that the work is carried out safely.

The contractor shall prepare a risk assessment and method statement and discuss with the site operators prior to starting the works. Other considerations by the contractor should include health and safety and environmental protection.

3.1 Removal of Tank

- Drain all pipelines associated with the tank
- Remove any residual fuel from the pipework
- Tank must then be bottomed out by removing the remaining fuel as reasonably practicable
- Any deposits that remain below the pump suction pipeline shall be removed by a hand pump or a flame proof electrical pump
- Entry into the tank is not allowed unless in extreme circumstances and where there is no alternative method of work
- Fill up the tank with water to ensure a liquid seal
- Disconnect all pipelines with the exception of the vent pipes
- Add more water to the tank until clear water appears at the vent opening
- Cap or blank off all openings to the tank
- Flush through and cap at each end all the pipelines previously connected to the tank

3.2 Lifting of Tank

- Any excavation works or bund removal should be carried out with the tank in the filled condition
- Suitable precautions should be taken to avoid sparks
- When tank is ready for lifting, the water should be emptied and all openings closed immediately
- Care has to be taken that water is disposed of by a hazardous waste disposal contractor
- Fuel tank can be lifted from site
- The tank should not be lifted by chains or wire ropes to reduce the risk of any sparks or sources of ignition. However, fabric straps with a design strength suitable for the weight of the tank should be used.

3.3 Disposal of Tank

- The tank should be marked with the words 'Fuel highly flammable' in clear indelible paint at each end and/or opposite sides of the tank.
- The tank that has been removed should be disposed of safely as soon as possible in accordance with the provisions of the current legislation in force at the time.
- When disposing, the recipient should be made aware of the tank's previous use so that adequate care against fires and explosions is taken
- Demolition of tank should not take place on site without the agreement of the appropriate authority.
- Contractor needs to adhere to the EWC codes to ensure correct disposal.

3.4 Final Documentation

- Upon decommissioning, the appropriate REWS application is filled by the competent person and the authorized person.
- A signed declaration is also required from the contractor that the decommissioning plan was adhered to.

4.0 General Precautions

During the decommissioning operation, vapour will be forced out of any opening in the tank. To reduce the risk of fire during decommissioning, the following precautions should be taken:

- Appropriate danger notices should be displayed
- No smoking, naked lights or other ignition sources should be allowed in the vicinity
- A supply of water should be available and where necessary used to dampen down the immediate area to lessen the risk of sparking
- Exclusion of personnel from the worksite other than those directly involved in the decommissioning
- No fuel-contaminated water is allowed to enter any drainage or watercourse or to be released into the ground
- Exit routes should be always kept clear and unobstructed.


5.0 Conclusion

Once the requirements mentioned in the report are incorporated and adhered to, it would be considered that the structure and layout conform to the guidelines as required by REWS.

This report is in line with the Occupant Life Safety requirements; therefore the protection of property may require additional measures where insurers may seek further standards before accepting the insurance risk.

We trust that this inspection report and risk assessment is drawn to your satisfaction; however should any difficulties be encountered these are to be clarified with the undersigned.

Yours faithfully,



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