

B.03.01.03 WASTE TREATMENT

The following table summarises the on site treatment process for each waste stream generated from the development.

Waste Type	EWC	Disposal route
Sea Water Cooling System Oxidants and Disinfecting Agents	10 01 26	Liquid treatment to Directive 2006/11/EC requirements prior to discharge back to sea
Oil Sludge and used lube oil	13 05 02*	Incinerated locally or exported
Oily Water	13 05 07*	Treated to <5ppm and which then can be discharged to the sea in accordance with Directive 76/464/EEC.
Oily rags	15 02 02	Incinerated locally or exported
Boiler Wash Down Sludge	10 01 22*	Transported and exported by licenced carrier to hazardous landfill
Sanitary Waste Water (sewage)	16 10 02	The FSU will have a fully operating sewage treatment plant on board that will treat the domestic sewage. The resulting effluent will be stored on the vessel in the grey water holding tank for disposal via barge; The CCGT will discharge directly to the public sewer The Regas plant will discharge to a cess pit which will be pumped to a tanker for disposal at a licenced treatment plant.
HRSG Drainage Water	10 01 22*	Treatment in neutralisation tank including pH control prior to discharge to sea.
Discharges from Demineralisation Tank	10 01 99	Treatment in neutralisation tank including pH control prior to discharge to sea.
Excess Brine from Evaporator	10 01 99	Treated and discharged to sea
Cleaning GTs	10 01 99	Trucked to authorised processing company
Floor Washings from potentially oily areas	10 01 99	Oil separator, cleaned before discharge to sea
Rainwater	10 01 99	Discharge to sea
Bilge Oil / Water	13 05 07*	Disposal via specialist contractor, pumped onshore, via barge, for treatment and disposed in a licenced waste facility.
Discharge of Water for Regasification	05 07 99	Liquid treatment to Directive 2006/11/EC requirements prior to discharge back to sea
Gas filtration waste	10.01.09	Via truck to specialist treatment site
Solid recyclable waste	20.03.01	To licenced municipal facility
Food waste from FSU	20.01.08	To licenced municipal facility
Sludge from FSU STP	19 08 05	Via barge and bowser to sewage treatment plant
Waste from CCGT demin polishing plant	19 09 04 19 09 05	Trucked off site to authorised processing facility

No on-site recovery or disposal of waste will take place. All wastes, other than those that will be treated and discharged to sea, are exported and disposed of with specialist contractors and waste receivers taken from the list of licenced Contractors in the table below;

EP Number	Facility	Activity
WM 003/07	G.S. Recycling Ltd.	Temporary storage of hazardous wastes
WM004/07	Greenskips Ltd.	Temporary storage of hazardous wastes
EP 024/09	IMA Engineering Ltd.	Storage & treatment of hazardous wastes (solvents, sludges, etc)
EP 029/10	Attard Services Ltd.	Temporary storage of waste oil
EP 028/14	Randolph Baldacchino	Temporary storage of waste oil
WM 004/07	Greenskips Ltd.	Temporary storage of non-hazardous waste
EP 024/09	IMA Engineering Ltd.	Storage & treatment of hazardous wastes (solvents, sludges, etc)

The final details of specialist waste brokers for the CCGT and Regasification Plant will be determined by the O&M team whilst developing the site environmental management plan but it is anticipated that the majority of waste streams requiring export from site are already being generated and handled as part of the adjacent DPS operations and as these disposal routes are already well established they will be utilised, where appropriate, for this development.

Vessels to serve the FSU will be from the list in the table below, where necessary and as required additional licences to carry sludge will be sort by the carrier contractor;

GBR Number	Year of Permit	Company	Vessel	Permit Type
616	2014	Cassar Ship Repair	Seajaguar	B1, B2 & B3
618	2014	Cassar Ship Repair	Seahorse	B1, B2 & B3
619	2014	Cassar Ship Repair	Seadog	B1, B2 & B3

Note: B2 Vessel for carrying waste oil; B3 Vessel for carrying other waste

Waste carriers used to transport the waste off site will be required to be possession of a GBR (registration). Waste carriers used only to transfer wastes to port facilities will not require a GBR however, as the transfer will be covered by the transfrontier shipment permit.

Further details regarding storage, containment and protective measures are provided in B.02.03 *Consumables in the Facilities* of this document.