Urban Waste Water Treatment (UWWTD) Import by Sewer

Liquor Imports

Cess/Domestic Tanker Waste Imports

Works Inlet

Waste Screenings to Off-site

SAS Buffer Tank

UWWTD Process

Treated Effluent to Discharge Point

SAS sludge

Primary sludge

Sludge Screens

Final Effluent Potable Water

Polymer

SAS Thickening Plant

Picket Fence Thickeners

Liquor

Liquor

Sludge Import

Sludge Blending Tank

Liquor Return Pumping Station

S1

T1

Sludge Import Tank

Sludge Screens

Contingency Storage Tanks

Waste Water

Digester Feed Buffer Tank

Waste Screenings Off-site

Anti-foam

Condensate

Primary Digester Tanks (A5 - A7)

Biogas

Biogas Storage (A4)

Siloxane Filter

CHP Engine (A1)

OCU 1 (A8)

Digested sludge

Maintenance Waste Off-site

Secondary Digester Tanks

Boiler (A2)

Fuel Oil

Emergency Flare Operation (A3)

Sludge Dewatering Buffer Tank

Final Effluent Potable Water

Sludge Dewatering Plant

Polymer

Cake Barn

Liquor

Transport Off-Site

Cake Pad

Cake Import

KEY:

- Installation Bounday
- Waste Imports
- Sludge Process
- Biogas Process
- Raw Material Inputs
- UWWTD Process
- Solid Waste Process
- Odour Control Units
- Liquor Flows
- Abnormal Liquor Return
- Sludge Flows
- Sludge Abnormal Flows
- Biogas Flows
- Biogas Abnormal Flows
- Raw Material Flows
- Raw Material Abnormal Flows
- Input to OCU
- Dewatering Flows
- UWWTD Process Flows
- Solid Waste Flows
- T1 Transfer Points
- S1 Sampling Points

Rev	Rev. Date	Purpose of revision	Drawn	Checkd	Rev'd	Apprv'd
P03	NOV 2023	FOR INFORMATION	AR	WL	JK	MM
P02	OCT 2023	FOR INFORMATION	LC	CS	JK	MM

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Client: Thames Water

Project: STC IED PERMIT
EAST HYDE STW

Drawing title: PROCESS FLOW DIAGRAM

Drawing status: PERMITTING

Scale	NOT TO SCALE	DO NOT SCALE
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