

Noise Measurement Survey
On behalf of
Dŵr Cymru Welsh Water

SITE ASSESSMENT CERTIFICATE

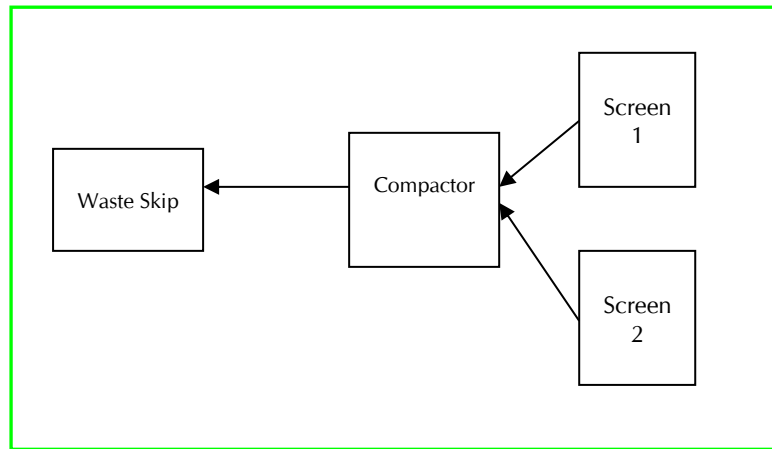
Site Name / Type : Queensferry / SWK	ECL Consultant : Greg Mullett
Site Asset Nr. : 00932	Date of Testing : 25 th October 2017
SLM make / model / ser. nr. : Casella CEL 63X / ECL/ID/965 / ser. nr. 084996	

Measurement Location	Sound Level dB(A)	Recommended Action(s)	Protected Sound Level dB(A)*
Inlet Screens/Macerator	61.9	None	N/A
Inlet Pumping Station	60.5	None	N/A
Primary Sludge Tank Mixing Pump No. 2	74.2	None	N/A
Wash Water Pumps Booster Set	61.9	None	N/A
Sludge Pumps	74.6	None	N/A
Gas Compressors	83.0	Display Mandatory Noise warning signs. Install noise attenuation. Although protected sound level is below 80dB(A), the level of hearing protection should be decreased (currently SNR 32, EN352) to bring protected sound level closer to 75dB(A).	54.5
Digester Thickener Tank Circulation Pump	63.1	None	N/A
Reserve Generator	95.1	Display Mandatory Noise warning signs. Install noise attenuation. Although protected sound level is below 80dB(A), the level of hearing protection should be decreased (currently SNR 32, EN352) to bring protected sound level closer to 75dB(A).	67.9
Sludge Gas Tank OCU	77.4	None	N/A

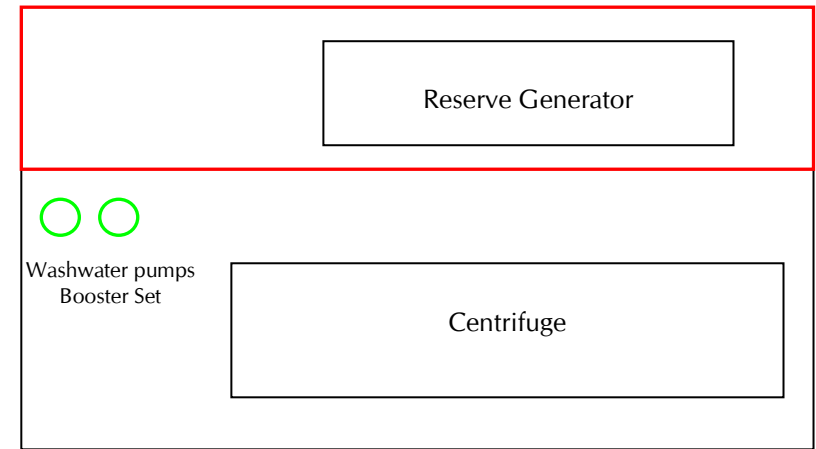
Measurement Location	Sound Level dB(A)	Recommended Action(s)	Protected Sound Level dB(A)*
Sludge Thickener Building	76.8	None	N/A
Boiler Room/Sludge Pumps	73.8	None	N/A
Boiler MCC Panel Room	59.3	None	N/A
CHP Cabinet	97.2	Display Mandatory Noise warning signs. Install noise attenuation. Although protected sound level is below 80dB(A), the level of hearing protection should be decreased (currently SNR 32, EN352) to bring protected sound level closer to 75dB(A).	69.8
CHP Cabinet Extraction Fan	107.9	Display Mandatory Noise warning signs. Install noise attenuation. Although protected sound level is below 80dB(A), the level of hearing protection should be increased (currently SNR 32, EN352) to bring protected sound level closer to 75dB(A).	79.5
UV Panel Room	76.4	None	N/A
Road Tanker discharging	86.9	Display Mandatory Noise warning signs. Install noise attenuation. Although protected sound level is below 80dB(A), the level of hearing protection should be decreased (currently SNR 32, EN352) to bring protected sound level closer to 75dB(A).	58.2
Centrifuge	N/A	Centrifuge de-watering – Revisit required	N/A
		* In ear level @2 S.D. using Bilsom Viking V3 Muffs	
Authorised Signature:		G. Mullett	



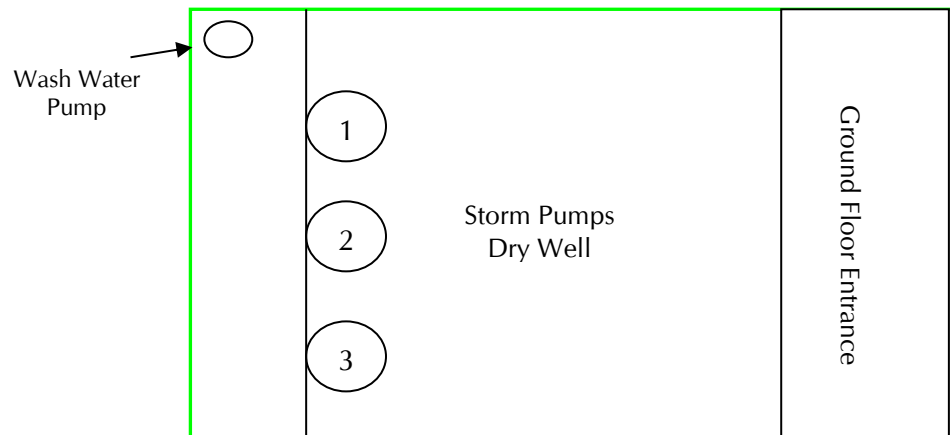
Schematic Diagram Indicating Test Locations



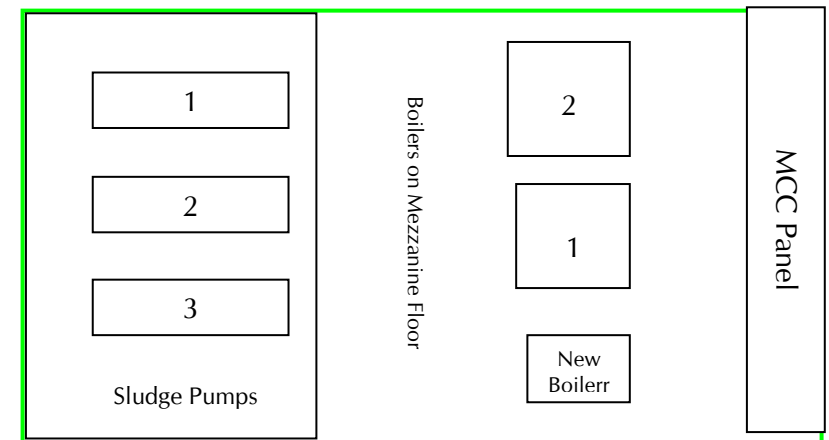
Inlet Screens



Centrifuge / reserve Generator Building



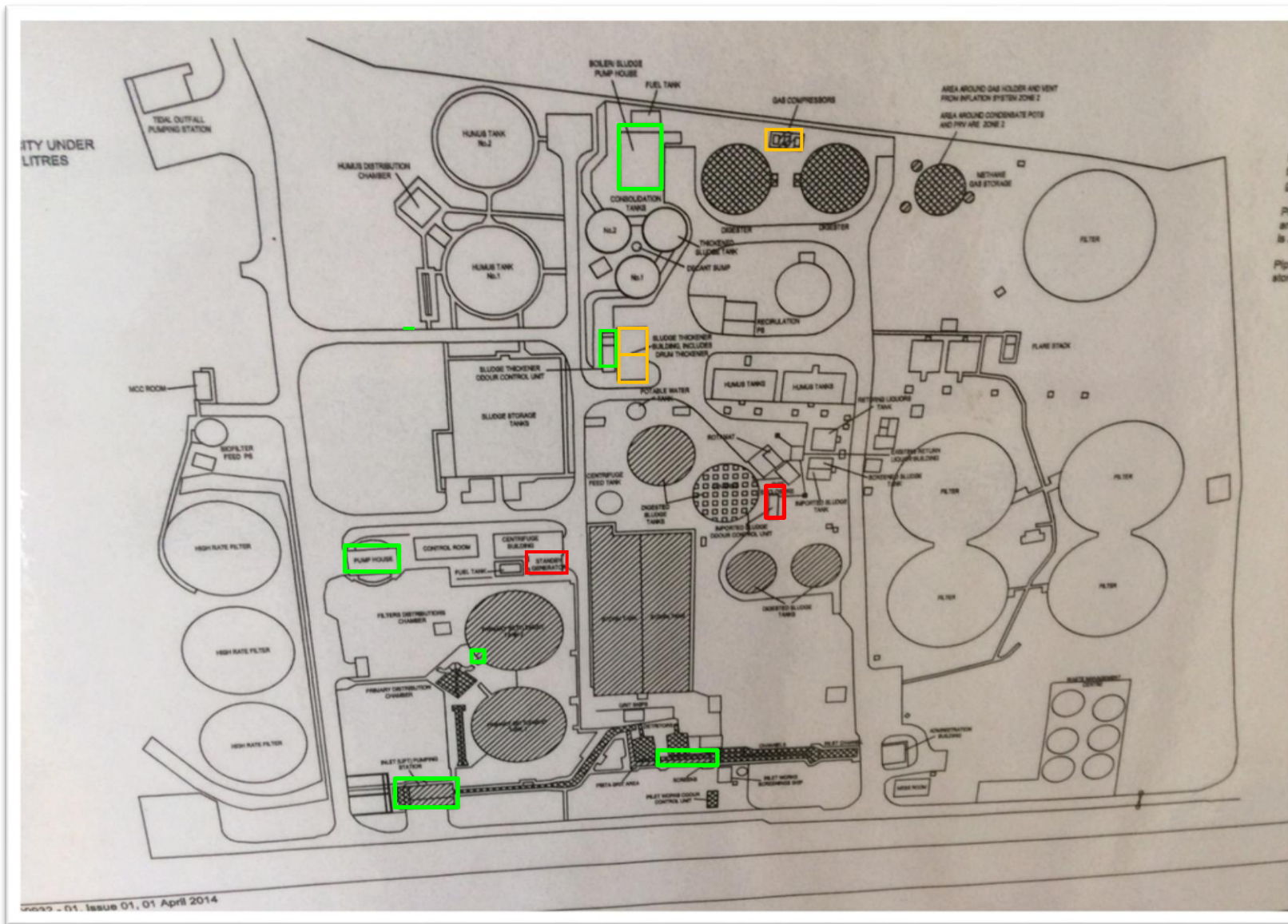
Storm Pump House



Boiler Plant and Sludge Pump Building

Queensferry – Asset No. 00932

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