

Description:	Monitoring and Measurement Register		
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What is to be monitored or measured?	How is the ASP to be monitored or measured?	When is the ASP to be monitored and measured? (frequency)	Who will monitor and measure the ASP?	Where are the monitoring / measurement results to be recorded?	How is the monitoring / measurement data to be used?	Compliance Requirement
Effluent discharge volume to lagoon/stream	Pulsar FlowCERT Lite – s/n F328045 Pulsar ultrasonic transducer s/n 303815/2018 Pulsar remote temperature sensor – s/n 155805-0001 Cello Logger s/n 2015294276-B4	Continuously monitored.	Trained meter readers 7 days a week – Data taken from online system	H drive Production info. production data. Energy Metrics.	Reviewed at 09:00 meeting to make sure we stay in consent. Also checked by the lab on a daily basis to ensure we stay in consent. 4 hourly checks also in place.	Quarterly service e visits from Servitech MCERTS conformance. Discharge permit allows max. 350 m3 in 24 hours

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Water abstraction	Endress Hauser water flow meter located in upstairs utilities block at sand filter	Daily water meter readings taken 7 days a week	During week Trained meter readers on shift.	H drive Production info. Production data. Energy Metrics Certificate in folder.	The information is reviewed by Daniel Westow. The figures will be compared against the abstraction licence requirements. Flow adjusted to ensure compliance. Data recorded on form WR71 and sent to the Environment agency annually.	The site abstracts water under licence 8/37/16/G/0043. The abstraction licence permits the use of 2.6 l/s and shall not exceed 182 m ³ /day. Annual permitted uses are 4540 m ³ for fruit washing, 4540 m ³ for processing and 11350 m ³ for bottling totalling 20430 m ³ . calibration of water abstraction meter (EA Guide 375_12 Version 2). Borehole water meter calibrated by E+H 24/04/2014
Discharge consent to the lagoon	Hach Lange spectrophotometer and test kits	Daily samples are taken by Lab. and analysed by the laboratory Staff.	Lab staff – Phil Tetley Dave Smyth	On the H Drive laboratory Water database. Also weekly score card.	Reviewed at 09:00 meeting. If we are out of consent we will investigate why.	EA Requirement Konings requirement. COD below 100mg/L TSS below 30mg / L

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Electricity consumption	KWh kWh/litre finished product	Once per week Friday	Trained meter readers	H Drive Common files Production info. prod. Data Energy Metrics	Konings Reporting	Konings requirement Part of CCA
Mains Water	Endress Hauser water meter upstairs utilities block	Daily water meter readings taken 7 days a week	Trained meter readers	H drive Production info production data Energy Metrics	Konings Reporting	Konings requirement.
Waste	Tonnes or kg per waste stream	When waste is taken off site	Weigh bridge operative, Waste contractor and HSSE Specialist, Biffa	H drive Production info production data Recycling & Waste Data	Monitor waste generated on site.	Environmental Protection (Duty of Care) Regulation 1991 Konings Requirement
Boiler oil	Litres used	Weekly	Daniel Westow	H drive. Production info. production data. Energy Metrics	Konings Reporting	Konings requirement.
LPG Gas	Litres used	Weekly	Daniel Westow	H drive Production info. production data. Energy Metrics	Konings Reporting	Konings requirement.

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Shunter diesel oil	Litres used	Weekly	Daniel Westow	H drive Production info. production data. Energy Metrics Log sheet.	Konings Reporting	Konings requirement.
Boiler emissions	Oxides of Nitrogen (as NO ₂) mg/m ³ Carbon Monoxide mg/m ³ Carbon Dioxide (Horiba) % Oxygen (Zirconia cell) %	3 rd party annually (Oil & LPG)	Daniel Westow – 3 rd party Emco Air Quality	H Drive	To ensure our emissions are under the legal limits	Legal requirement