

Notice: Variation of Permit

This permit has been varied by the Scottish Environment Protection Agency (SEPA) in exercise of its powers under Regulation 46 of the Pollution Prevention and Control (Scotland) Regulations 2012 (“the Regulations”). The terms used in this notice, unless otherwise defined, have the same meaning as in the Regulations.

Permit Number:	PPC/W/0020041
Site address:	Greengairs Landfill Meikle Drumgray Road Greengairs Airdrie North Lanarkshire ML6 7TD
Operator:	FCC Waste Services (UK) Limited 988844 3 Sidings Court, White Rose Way, Doncaster, England, DN4 5NU
Variation Number:	VAR02
Effective Date of Variation:	24 January 2023
Details of Variation:	The permit is varied as specified in the Schedule attached.

Schedule

The permit has been varied as follows:

1. Condition 1.1.3 shall be amended to include the following additional Permitted Activity:

- The physico-chemical treatment of non-hazardous waste for disposal falling within paragraph (a)(ii) of Part A of Schedule 5.4 of Schedule 1 of the Regulations.

2. The following reporting requirements shall be added to table 2.4.9:

Summary of Information to be Reported	Condition	Date/Within period/Frequency to be Reported	Date First Report due
Environmental Noise Report	2.8.3	One off report	Within 10 weeks of the reverse osmosis treatment plant being operational
Environmental Noise Management Plan	2.8.4	One off report	Within 2 months of the submission of the report required by condition 2.8.3
Systematic assessment of noise emissions	2.8.5	At least every 4 years after initial report received or otherwise agreed in writing with SEPA	

3. Condition 2.8 shall be deleted and replaced with the following:

2.8 Noise and Vibration

2.8.1 Within 10 weeks of the commencement of IBA treatment using mobile plant, the Operator shall submit an environmental noise report to SEPA, conforming to a recognised British Standard, quantifying the impact of the specific noise at noise sensitive receptors during operational treatment periods. The report should detail any intermittency, tonal, or other factors that may make the specific noise subjectively more annoying.

- 2.8.2 Within 2 months of submitting the environmental noise report, as required by Condition 2.8.1, the Operator shall update the Noise Management Plan, describing any further measures to be taken to prevent, or where that is not practicable minimise, the impact of noise emissions on noise sensitive receptors. The updated plan shall be submitted to SEPA.
- 2.8.3 Within 10 weeks of the reverse osmosis treatment plant being brought into operation, the Operator shall submit an environmental noise report to SEPA, conforming to a recognised British Standard, quantifying the impact of the specific noise at noise sensitive receptors during operational treatment periods. The report should detail any intermittency, tonal, or other factors that may make the specific noise subjectively more annoying.
- 2.8.4 Within two months of submitting the environmental noise report, as required by Condition 2.8.3, the Operator shall update the Noise Management Plan, describing any further measures to be taken to prevent, or where that is not practicable minimise, the impact of noise emissions on noise sensitive receptors. The updated plan shall be submitted to SEPA.
- 2.8.5 At least every four years, the Operator shall carry out a systematic assessment of noise and vibration emissions associated with the Permitted Activities, the purpose of which shall be to identify sources of noise and vibration on the site and methods of reducing noise and vibration from these sources. Each assessment shall be recorded and reported to SEPA.

4. Condition 7.4.6.1 shall be deleted and replaced with the following:

- 7.4.6.1 Subject to the provision of the information required under condition 7.6.1.2 no samples of treated trade effluent, taken at a time when unusual weather conditions are adversely affecting the operation of the treatment plant, shall be taken into account in deciding whether condition 7.4.7 of this permit has been complied with. For the purposes of this condition “unusual weather conditions” means:-

low ambient temperatures as evidenced by effluent temperatures of 5°C or less or by the freezing of mechanical equipment in the treatment plant;

snow deposits sufficient to affect the normal operation of the treatment plant;

fluvial flooding;

weather conditions causing unforeseen loss of power supply to the treatment plant which could not be ameliorated by the reasonable provision and operation of standby generation facilities.

5. Section 7.5 has been deleted and replaced with:

7.5 Treated Trade Effluent Discharge (Reverse Osmosis Treatment)

7.5.1 Nature of Discharge

7.5.1.1 The discharge shall consist solely of Trade effluent in the form of treated leachate from Incinerator Bottom Ash activities carried out at the Permitted Installation.

7.5.2 Discharge Point

7.5.2.1 The outlet shall be a 63 mm internal diameter plastic pipe, discharging to an unnamed tributary of the Cameron Bum at National Grid Reference NS 7868 6951 as shown on drawing number 4785-CAU-XX-XX-DR-V-1801 submitted with the application.

7.5.3 Operation

7.5.3.1 The reverse osmosis treatment plant shall be operated and maintained in accordance with best practice such that:-

it remains fully operational, except at times of unavoidable mechanical or electrical breakdown;

following any mechanical or electrical breakdown all reasonably practicable means shall be used to return it to a fully operating condition. SEPA shall be informed of the breakdown as soon as practicable.

7.5.4 Sample Points

7.5.4.1 The sample point shall be constructed, maintained and appropriately identified as the sample point so that representative samples of the aqueous permeate may be safely obtained. All constituents of the aqueous permeate shall pass through the relevant sample point.

7.5.5 Flow Monitoring

7.5.5.1 Flow measurement structure shall be provided as detailed in the Management Plan by one month of date of this Notice and maintained to enable determination of the maximum flow rates and daily volumes of the discharges listed in Table 7.1

Table 7.1

Reverse Osmosis discharge Point	Max Flow Rate (l/sec)	Maximum Daily Volume (m3)
	2.4	200

7.5.6 Unusual Situations

7.5.6.1 Subject to the provision of the information required under condition 7.6.1.2 no samples of treated trade effluent, taken at a time when unusual weather conditions are adversely affecting the operation of the treatment plant, shall be taken into account in deciding whether condition 7.5.6 of this permit has been complied with. For the purposes of this condition “unusual weather conditions” means:-

low ambient temperatures as evidenced by effluent temperatures of 5°C or less or by the freezing of mechanical equipment in the treatment plant;

snow deposits sufficient to affect the normal operation of the treatment plant;

fluvial flooding;

weather conditions causing unforeseen loss of power supply to the treatment plant which could not be ameliorated by the reasonable provision and operation of standby generation facilities.

7.5.7 Discharge Quality Standards

7.5.7.1 The concentration, in the aqueous permeate discharge from the reverse osmosis treatment plant, of the substances listed in column 1 of the table 7.2 shall not exceed the concentration listed in column 2.

Table 7.2

Parameter	Maximum Concentration
pH	Not less than 6 or greater than 9
Arsenic	0.05 mg/L
Cadmium	0.001 mg/L
Chloride	250 mg/L
Chromium	0.001 mg/L
Conductivity	750 uS/cm
Copper	0.01 mg/L
Mercury	0.00003 mg/L
Nickel	0.02 mg/L
Lead	0.01 mg/L
Zinc	0.1 mg/L

6. Condition 7.6 shall be inserted as follows:-

7.6 Records and Provision of information

7.6.1 Records required

7.6.1.1 SEPA shall be notified in writing if any known material change occurs what is proposed or is proposed that may increase or introduce into the trade event any last I or II substances as identified under EC Directive 76/464/EEC. SEPA shall be notified within 28 days of the discharger identifying, or being informed of, any such change.

7.6.1.2 SEPA shall be notified as soon as practicable, if unusual weather conditions, as defined by 7.4.6.1, have adversely affected the trade effluent treatment plant operations to the extent that compliance with the discharge quality standards could not be maintained. In any event SEPA shall be notified in writing within 14 days of the occurrence of the unusual weather conditions. That notification shall include a full description of the unusual weather conditions and their impact on the operation of the treatment plant.

7.6.1.3 Records of the readings obtained from all flow recorders specified next permit shall be maintained. The information should be recorded as daily and instantaneous flows and made available to SEPA on request.

7.6.1.4 A record of the calibration results for all flow recorders specified in this permit shall be maintained.

7.6.2 Maintenance and Reporting of Records

7.6.2.1 All records required by this permit in respect of discharges shall be:-

true and accurate;

comprehensible and legible;

recorded as soon as reasonably practical after each relevant operation;

amended in such a way, when such amendments are necessary, so as to leave the original entry clear and legible; and

preserved for five years or such other period as SEPA may specify.

7. The following sampling and monitoring requirements to be carried out by the operator are added to Table 11.1.8:

Table 11.1.8

	Location	Parameters	Frequency Operational phase	Frequency Aftercare phase
Treated leachate from Incinerator Bottom Ash activities composition	Monitoring point as specified within the Permit Application	Ammoniacal Nitrogen Arsenic (Diss) BOD Cadmium (Diss) Chloride Chromium (Diss) COD Conductivity Copper (Diss) Iron (Diss) Lead (Diss) Manganese (Diss) Mercury (Diss) Nickel (Diss) pH (Lab) Phosphate Ortho Suspended Solids Vanadium (Diss) Zinc (Diss)	Monthly	As specified in the Management Plan