Notice of Variation

Environmental Permit

Environment Protection Act (CAP. 549)

Variation number
EP 0017/22/V3

Permit number
EP 0017/22; EP 00017/22/V1; EP 00017/22/V2

Approved Documents:
EP 0017/22/V2/DOC1

The Environment and Resources Authority (hereinafter the Authority; the Competent Authority or ERA) in exercise of its powers under the Environment Protection Act (CAP. 549)

Water Services Corporation (hereinafter "the Permit Holder"),

Of / Whose Registered Office (or principal place of business) is at

Water Services Corporation
Qormi Road
Luqa, LQA 9043

To operate an installation at

Site at iċ-Ċumnija
Tal-Mejjieli
L/O Mellieha
Mellieha

to the extent authorised by and subject to the conditions of this Permit.

This variation is valid until the expiry of the permit EP 0017/22 which is **4 years** from the 'permit granted' date below. An application for renewal is to be submitted at least **six (6) months** prior to expiry of EP 0017/22.

Signed	Date
Perit Vincent Cassar Chairman	Permit granted: 22/ 06 / 2022 First Variation notice granted: 13/03/2024 Second Variation notice granted: 10/12/2024 Third Variation notice granted: 21/11/2025

Authorised to sign on behalf of the Competent Authority

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Introductory Note

The enclosed notice of variation shall be read in conjunction to the permit with reference to EP 0017/22, EP 00017/22/V1 and EP 00017/22/V2 and shall take effect as of the date indicated above.

The Authority is hereby varying Section 1, Section 2 and Schedule 1 of the current environmental permit (EP 0017/22) as specified hereunder.

Section 1 – General conditions

1. Status log in condition 1 shall be replaced by the following;

Status Log	
Detail	**Date**
Application EP	09 September 2009
Permit EP 0011/09/A Issued	25 September 2013
Variation EP 0011/09/B determined	30 August 2016
Variation EP 0011/09/B Issued	15 December 2016
Renewal EP 0011/09/C determined	27 October 2017
Renewal EP 0011/09/C Issued	11 January 2018
Renewal EP 0017/22 determined	22 April 2022
Renewal EP 0017/22 granted	22 June 2022
Variation EP 0017/22/V1 granted	13 March 2024
Variation EP 0017/22/V2 granted	10 December 2024

Section 2 – Operating conditions

2. Condition 2.2.11 shall be amended as follows:

The limits of emission to the marine environment for the parameters set out in Table 2.2.11 shall not be exceeded.

Table 2.2.11: Emission limits to marine environment and monitoring or Emission Point E1				
Parameter	Annual Average Emission Limit Value	Minimum percentage of reduction[1]	Reference method of measurement	Minimum Monitoring Frequency[2]
Average flow	-	-	-	Continuous
Temperature	40°C or 5°C above ambient temp. whichever the lowest	-	-	24 times per year (bimonthly)
pH	6-10	-	-	
Biological Oxygen Demand (BOD	25 mg/l O_2	70-90	Homogenized, unfiltered, undecanted sample. Determination of dissolved	

at 20^0C) without nitrification			oxygen before and after five-day incubation at 20^0C ± 1^0C, in complete darkness. Addition of a nitrification inhibitor.	
Total suspended solids (TSS)	35 mg/l [3]	90	EN 872	
Total phosphorus (TP)[4]	2 mg/l	80	Various EN standards available and which shall use molecular absorption spectrophotometry	
Total nitrogen(TN) [4,5,6]	15 mg/l	70-80[7]	EN 12260	
Chemical oxygen demand (COD)	125 mg/l	75	Homogenized, unfiltered, undecanted sample Potassium dichromate.	

Notes:

1. Reduction in relation to the influent;

2. Monitoring frequencies may be adapted on the basis of justifications in relation to the data series and in agreement with the Authority;

3. The lower end of the range is typically achieved when using filtration (e.g. sand filtration, microfiltration, ultrafiltration, membrane bioreactor), while the upper end of the range is typically achieved when using sedimentation only;

4. The limits specified in Table 2.2.11 for this parameter are indicative and not legally binding;

5. Total nitrogen means the sum of total Kjeldahl nitrogen (organic and ammonical nitrogen) nitrate-nitrogen and nitrite-nitrogen;

6. TN and N_{inorg} monitoring are alternatives;

7. The lower end of the range is typically achieved when the influent to the biological waste water treatment plant contains low levels of nitrogen and/or when nitrification/denitrification can be operated under optimum conditions. The upper end of the range may be higher and up to 40 mg/l for TN or 35 mg/l for $N_{inorg,}$ both as yearly averages, if the abatement efficiency is ≥ 70 % as a yearly average (including both pre-treatment and final treatment).

Section 3 – Site Records & Archive

No changes

Section 4 – Reporting

No changes

Section 5 – Closure and Decommissioning

No changes

Section 6 – Notifications

No changes

Schedules 1

3. S.1.6.3 Discharges to the marine environment shall be amended as follows:

Total volume discharged to the marine environment (m^3)	
Total volume of treated wastewater treated in the polished treatment plant (m^3)	

Emission monitoring inlet					
Parameter	**Standard methodology used**	**Concentration (Annual Average)**	**Unit**	**Total Annual Load**	**Unit**
Average flow			m/s		m/s
Temperature			°C		°C
pH			-		-
Biological Oxygen Demand (BOD at 20^0C) without nitrification			mg/L O_2		Kg

Total suspended solids (TSS)			mg/L		Kg
Total phosphorus [1]			mg/L P		Kg
Total nitrogen (TN) [1]			mg/L N		Kg
Chemical oxygen demand (COD)			mg/L		Kg

Emission monitoring outlet (E1)								
Parameter	**Annual Average Emission Limit Value**	**Standard methodology used**	**Total annual number of exceedances[2]**	**Percentage reduction achieved (%)**	**Concentration (Annual Average)**	**Unit**	**Total Annual Load**	**Unit**
Average flow	-	-	-		-	-		Kg
Temperature	40°C or 5°C above ambient temp. whichever the lowest					°C		°C
pH	6-10					-		-
Biological Oxygen Demand (BOD at 20^0C) without nitrification	25 mg/l O_2					mg/L O_2		Kg
Total suspended solids (TSS)	35 mg/l					mg/L		Kg

[1] The limits specified in Table 2.2.11 for Total phosphorus (TP) and Total nitrogen(TN), are indicative and not legally binding.

[2] If the total number of exceedances exceeds Table 3 of Annex I of S.L.549.22, the value of each of these exceedances (for the reporting year) must be submitted in a separate report, together with action taken to regularise the situation.

Total phosphorus[1]	2 mg/l					mg/L P		Kg
Total nitrogen (TN)[1]	15 mg/l					mg/L N		Kg
Chemical oxygen demand (COD)	125 mg/l					mg/L		Kg

Name of laboratory where tests in this section have been carried out	
Is this laboratory accredited (certified) for the above tests?	Yes ☐ No ☐

Additional documentation to be submitted:	Tick (✓)
Accreditation certificate(s) of laboratory	

Schedules 2 -5

No changes

END OF NOTICE