



System Procedure
Monthly Status Report
Cliffs of Moher, April 2022

Date	04/05/2022
Description	Initial Issue
Approved By	
Originator	



Cliffs of Moher Wastewater Treatment Plant
Operational Report
for
April 2022



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1. Introduction

This report covers the period of April 2022 for the operation of Cliffs of Moher Wastewater Treatment Plant by EPS, on behalf of Cliffs of Moher Visitor Experience.

2. Executive Summary

The plant processed 509 m³ of effluent for the month, at an average daily flow of approximately 17 m³/day during March.

The influent results for April 12th showed that the Incoming wastewater was not in compliance with the plant design specification for BOD, Ammonia and Total Phosphorus which was in excess of design criteria.

The final effluent results from the 12th of April show that Total Phosphorus and Ammonia was not in compliance as per contract conditions.

The Plant Operator has been adding Water at the Inlet Screen and Molasses to sustain the MLSS Levels at the plant.



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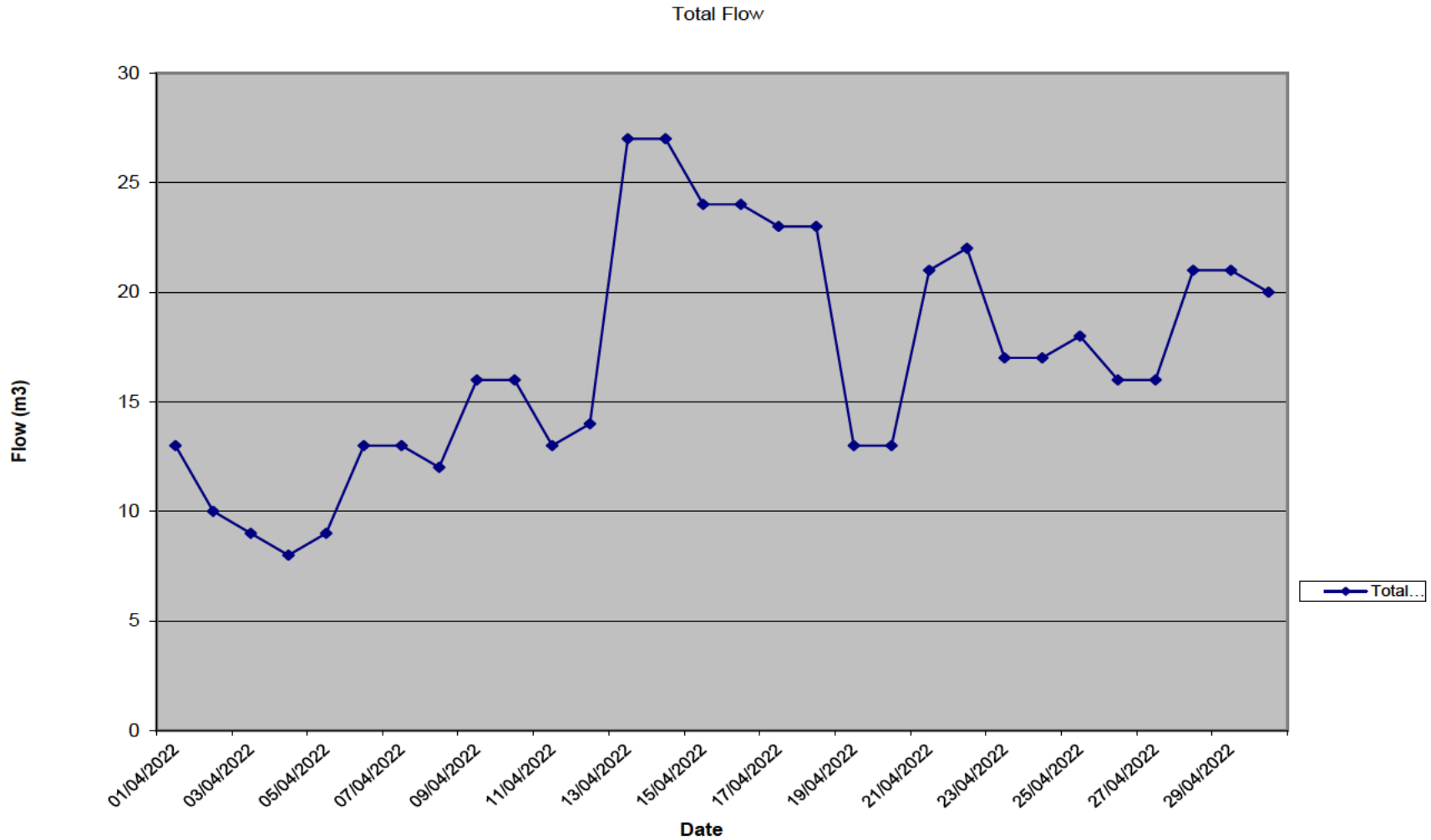
3. Graphical Presentation of Data

Table of total daily flows for April 2022 MBR's			
Date	MBR Flow #1 (m ³)	MBR Flow #2 (m ³)	Total Flow
01/04/2022	13	0	13
02/04/2022	10	0	10
03/04/2022	9	0	9
04/04/2022	8	0	8
05/04/2022	9	0	9
06/04/2022	13	0	13
07/04/2022	13	0	13
08/04/2022	12	0	12
09/04/2022	16	0	16
10/04/2022	16	0	16
11/04/2022	13	0	13
12/04/2022	14	0	14
13/04/2022	27	0	27
14/04/2022	27	0	27
15/04/2022	24	0	24
16/04/2022	24	0	24
17/04/2022	23	0	23
18/04/2022	23	0	23
19/04/2022	13	0	13
20/04/2022	13	0	13
21/04/2022	21	0	21
22/04/2022	22	0	22
23/04/2022	17	0	17
24/04/2022	17	0	17
25/04/2022	18	0	18
26/04/2022	16	0	16
27/04/2022	16	0	16
28/04/2022	21	0	21
29/04/2022	21	0	21
30/04/2022	20	0	20
Average	17	0	17



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Table of Cumulative Hours Run

	27/03/2022	01/05/2022	Ave Daily Usage Hours
Inlet screen	31,786	31,906	4.14
Inlet pump 1	4,464	4,480	0.55
Inlet pump 2	5,207	5,226	0.66
Balance tank 1,pump 1	6,450	6,646	6.76
Balance tank 1,pump 2	6,959	6,963	0.14
Anoxic mixer no. 1	98,365	99,201	28.83
Anoxic mixer no. 2	55,422	55,422	0.00
Membrane pump 1 (RAS)	91,109	91,933	28.41
Membrane pump 2 (RAS)	51,872	51,877	0.17
Sludge holding tank mixer	4,072	4,072	0.00
Odour fan no. 1	59,806	59,806	0.00
Odour fan no. 2	71,234	72,072	28.90
Forward feed no.1	10,368	10,368	0.00
Forward feed no.2	16,607	16,682	2.59
Drainage pump	1,114	1,115	0.03
Balance tank 2, pump no.1	7,004	7,004	0.00
Balance tank 2, pump no.2	16,896	16,896	0.00
Air Blower 1	20,109	20,109	0.00
Air Blower 2	57,896	57,896	0.00
Air Blower 3	2,717	3,543	23.66
Air compressor	16,311	17,150	28.93
Ultraviolet system	60,978	60,978	0.00



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4. Process and Operational Issues

Process and Operational Issues		
Date	Description of Process Operational Issue	Implemented by
	Nothing this month	

5. Health & Safety Issues

Site Safety Induction Report				
Contractor Name		Contract Number		
Date	Inductor	Inductee	Inductee Signature	Inductee Company
No Site Safety Inductions were undertaken during this monitoring period				

Health & Safety Statistics Report	
Plant Manager	Date
[REDACTED]	May-22
For Period	April-22
Site Involved	Cliffs of Moher WWTP
Category 1: Covers Fatalities and major Injuries Category 2: Covers lost time accident resulting in more than 3 days absence Category 3: Covers lost time accidents resulting in 3 days absence or less Major Incident: Accident not covered by categories 1 to 3	

Direct Employees					
Number of Employees:	1	Exposure Hours:	32hrs		
	Category 1	Category 2	Category 3	Major Incident	Near Miss
Number of Accidents	0	0	0	0	0
Days lost					

Direct Employees					
Number of Employees:	Exposure Hours:				
Subcontractors on Site					
	Category 1	Category 2	Category 3	Major Incident	Near Miss
Number of Accidents	0	0	0	0	0
Days lost					

ARP7/4 INSERTED HERE IF AN ACCIDENT OR INCIDENT HAS OCCURED (USE PHOTOCOPY OF EPS FORM HS002)

6. Complaints Register

No written complaints were received during this monitoring period

Complaints Register			
Complainant's Name		Date	
Nature of Complaint			
Acknowledgement of Complaint	Author of Acknowledgement	Date Sent	
Cause of Complaint			
Action taken to Resolve cause of Complaint:			
Final Outcome Report	Author of Final Outcome Report	Date Forwarded to Local Authority	

7. Equipment Calibration Records

Equipment Calibration Record						
Date	Equipment Description	Serial No.	Calibrated By (Name & Company)	Next Calib. Due	Calib. Cert Recd.	Comment
Nothing to report						



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8. Waste & Sludge Disposal Records

Non-Sludge Waste Disposal Record					
Date	Waste Description	Amount removed	Removed By (Name & Company)	Destination Address	Receipt for Acceptance of Waste

Outgoing Sludge Record					
Batch No.	Date	Destination of Product	Type of Product	Quantity of Product	Contact at Destination
					Nothing to Report

9. Analysis Results for Mixed Liquor

Analysis Results for Mixed Liquor (mg/l)				
Date	MLSS MBR 1	Anoxic 1	MLSS MBR2	Anoxic 2
12/04/2022	15,576	13,528		
26/04/2022	15,660	17,450		



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10. Analysis Results for Influent

Analysis Results for Influent							
Date	BOD (mg/l O ₂)	COD (mg/l O ₂)	SS (mg/l)	Total Nitrogen (mg/l)	Ammonia (mg/l)	Total Phosphorous (mg/l)	pH
12/04/2022	658	2,060	144	401	306	24.8	9.1
Maximum for month	658	2,060	144		306	24.8	9.1
Average for month	658	2,060	144		306	24.8	9.1
Design values	220		170		105	11.2	

11. Analysis Results for Final Effluent

Analysis Results for Final Effluent							
Date	BOD (mg/l O ₂)	COD (mg/l O ₂)	SS (mg/l)	Total Nitrogen (mg/l)	Ammonia (mg/l)	Total Phosphorous (mg/l)	pH
12/04/2022	5	41	6	38.3	32.3	3.59	7.7
Average for month	5.0	41	6.0	N/A	32.30	3.59	7.7
Licence limit	15	100	15	15	5	2	6 to 9