



System Procedure
Monthly Status Report
Cliffs of Moher, October 2021

Date	17/11/2021
Description	Initial Issue
Approved By	
Originator	



Cliffs of Moher Wastewater Treatment Plant
Operational Report
for
October 2021



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1. Introduction

This report covers the period of October 2021 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 337 m³ of effluent for the month, at an average daily flow of approximately 11 m³/day during August.

The influent results for October 4th showed that the Incoming wastewater was not in compliance with the plant design specification for BOD, Suspended Solids, Ammonia and Total Phosphorus which was in excess of design criteria.

The final effluent results from the 4th of October show that Total Phosphorus 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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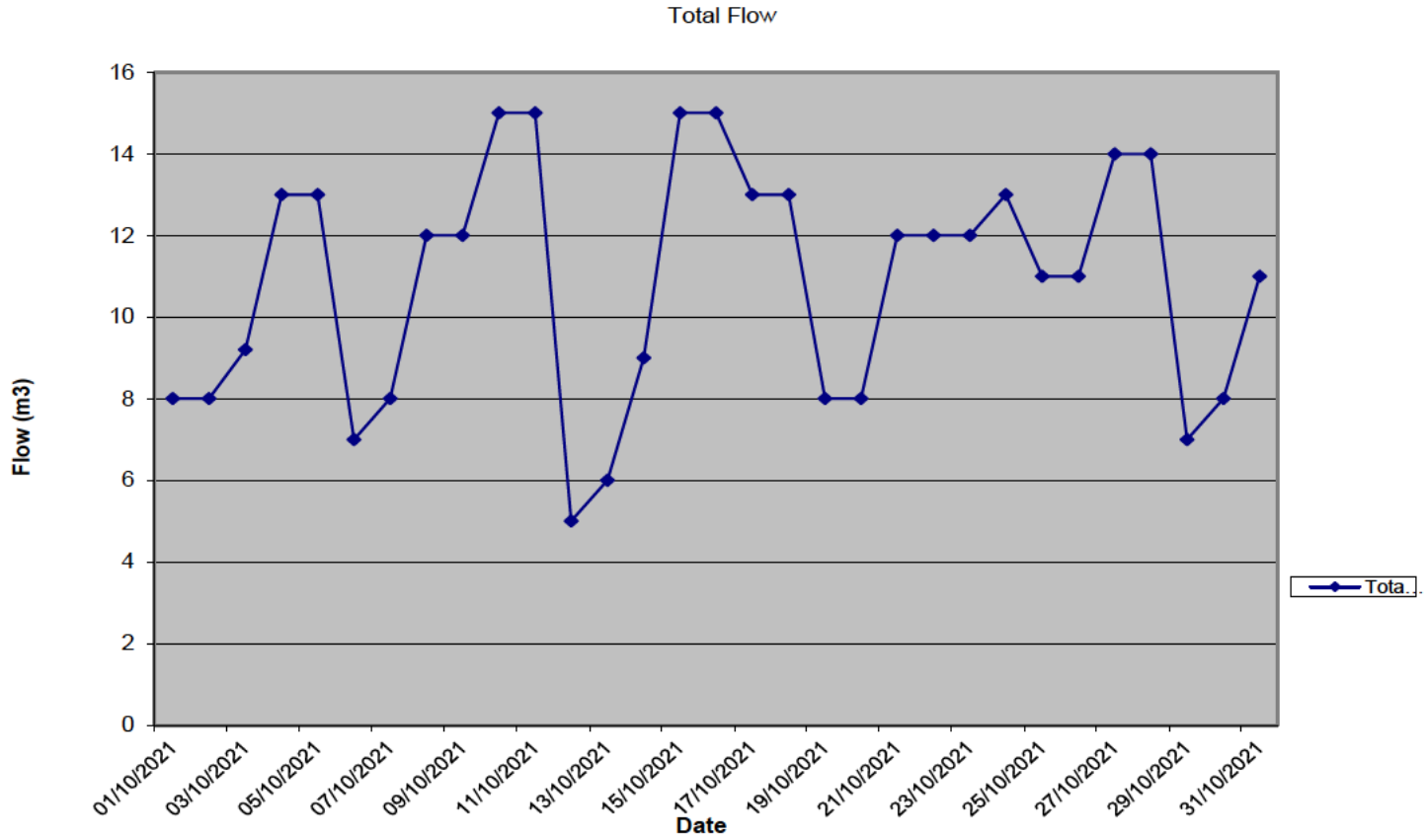
3. Graphical Presentation of Data

Table of total daily flows for October 2021 MBR's			
Date	MBR Flow #1 (m ³)	MBR Flow #2 (m ³)	Total Flow
01/10/2021	8	0	8
02/10/2021	8	0	8
03/10/2021	9	0	9
04/10/2021	13	0	13
05/10/2021	13	0	13
06/10/2021	7	0	7
07/10/2021	8	0	8
08/10/2021	12	0	12
09/10/2021	12	0	12
10/10/2021	15	0	15
11/10/2021	15	0	15
12/10/2021	5	0	5
13/10/2021	6	0	6
14/10/2021	9	0	9
15/10/2021	15	0	15
16/10/2021	15	0	15
17/10/2021	13	0	13
18/10/2021	13	0	13
19/10/2021	8	0	8
20/10/2021	8	0	8
21/10/2021	12	0	12
22/10/2021	12	0	12
23/10/2021	12	0	12
24/10/2021	13	0	13
25/10/2021	11	0	11
26/10/2021	11	0	11
27/10/2021	14	0	14
28/10/2021	14	0	14
29/10/2021	7	0	7
30/10/2021	8	0	8
31/10/2021	11	0	11
Average	11	0	11



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Table of Cumulative Hours Run

	29/09/2021	31/10/2021	Ave Daily Usage Hours
Inlet screen	31,555	31,610	1.90
Inlet pump 1	4,415	4,428	0.45
Inlet pump 2	5,159	5,170	0.38
Balance tank 1,pump 1	5,257	5,403	5.03
Balance tank 1,pump 2	6,959	6,959	0.00
Anoxic mixer no. 1	94,068	94,818	25.86
Anoxic mixer no. 2	55,422	55,422	0.00
Membrane pump 1 (RAS)	86,816	87,565	25.83
Membrane pump 2 (RAS)	51,877	51,877	0.00
Sludge holding tank mixer	4,072	4,072	0.00
Odour fan no. 1	59,806	59,806	0.00
Odour fan no. 2	66,936	67,687	25.90
Forward feed no.1	10,368	10,368	0.00
Forward feed no.2	16,410	16,453	1.48
Drainage pump	1,079	1,088	0.31
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	98,460	99,210	25.86
Air compressor	12,013	12,764	25.90
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 November-21
For Period October-21	
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)



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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
05/10/2021	12,790			
27/10/2021	13,140	12,910		



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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
04/10/2021	862	2,470	810		217	15.3	8.4
Maximum for month	862	2,470	810		217	15.3	8.4
Average for month	862	2,470	810		217	15.3	8.4
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
04/10/2021	2	47	5		0.094	11.2	7.73
Average for month	2.0	47	5.0	N/A	0.09	11.20	7.7
Licence limit	15	100	15	15	5	2	6 to 9