



System Procedure  
Monthly Status Report  
Cliffs of Moher, July 2021

Date	15/08/2021
Description	Initial Issue
Approved By	[Redacted]
[Redacted]	[Redacted]



Cliffs of Moher Wastewater Treatment Plant  
Operational Report  
for  
July 2021



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## 1. Introduction

This report covers the period of July 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 332 m<sup>3</sup> of effluent for the month, at an average daily flow of approximately 11 m<sup>3</sup>/day during July.

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

The final effluent results from the 13<sup>th</sup> of July were non-compliant as per contract conditions for Total Phosphorus. All other results were compliant.

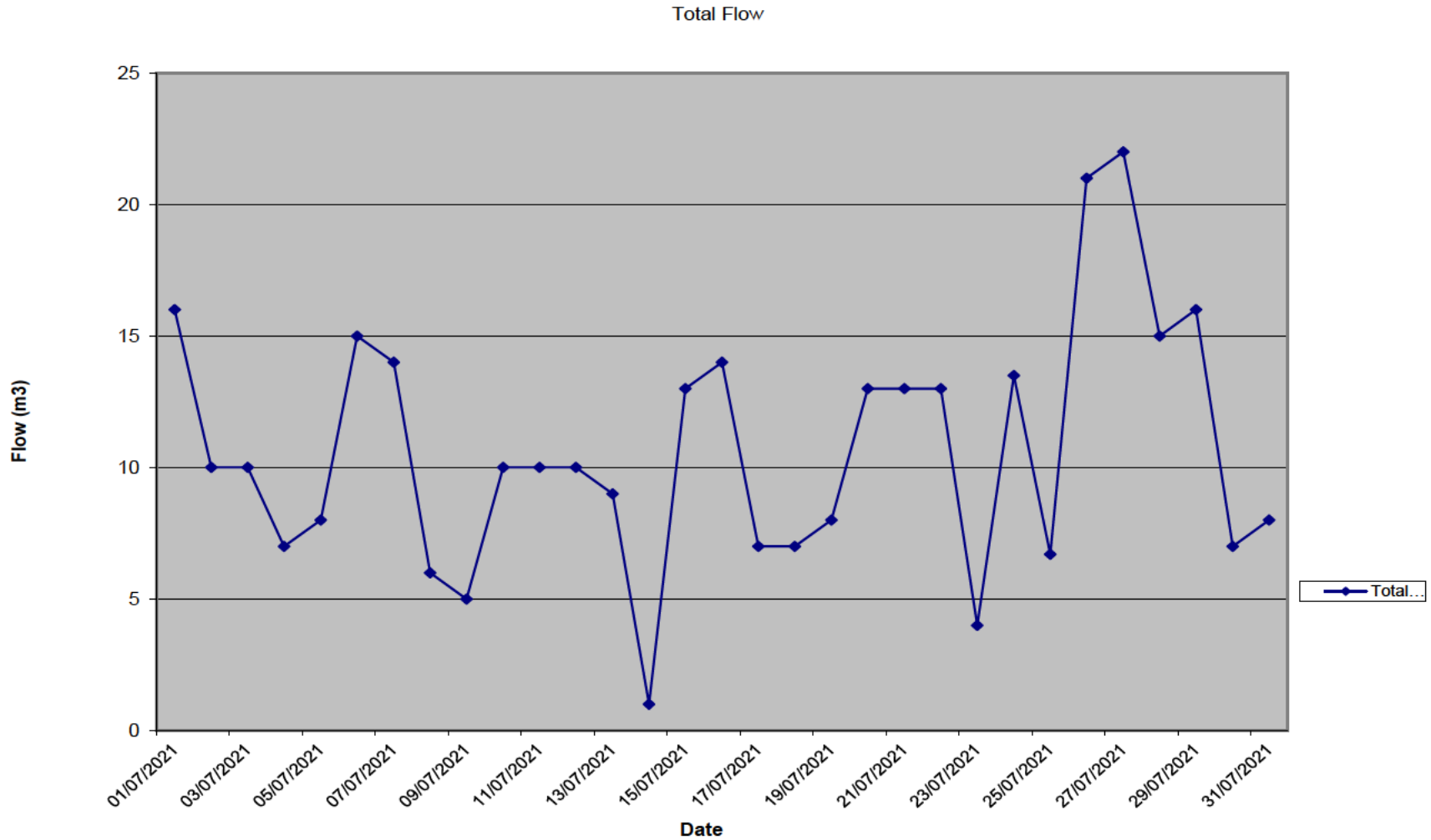
### 3. Graphical Presentation of Data

Table of total daily flows for June 2021 MBR's			
Date	MBR Flow #1 (m <sup>3</sup> )	MBR Flow #2 (m <sup>3</sup> )	Total Flow
01/07/2021	16	0	16
02/07/2021	10	0	10
03/07/2021	10	0	10
04/07/2021	7	0	7
05/07/2021	8	0	8
06/07/2021	15	0	15
07/07/2021	14	0	14
08/07/2021	6	0	6
09/07/2021	5	0	5
10/07/2021	10	0	10
11/07/2021	10	0	10
12/07/2021	10	0	10
13/07/2021	9	0	9
14/07/2021	1	0	1
15/07/2021	13	0	13
16/07/2021	14	0	14
17/07/2021	7	0	7
18/07/2021	7	0	7
19/07/2021	8	0	8
20/07/2021	13	0	13
21/07/2021	13	0	13
22/07/2021	13	0	13
23/07/2021	4	0	4
24/07/2021	14	0	14
25/07/2021	7	0	7
26/07/2021	21	0	21
27/07/2021	22	0	22
28/07/2021	15	0	15
29/07/2021	16	0	16
30/07/2021	7	0	7
31/07/2021	8	0	8
Average	11	0	11



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**Table of Cumulative Hours Run**

	29/06/2021	30/07/2021	Ave Daily Usage Hours
Inlet screen	31,343	31,398	1.90
Inlet pump 1	4,353	4,374	0.72
Inlet pump 2	5,142	5,142	0.00
Balance tank 1,pump 1	4,815	4,917	3.52
Balance tank 1,pump 2	6,952	6,954	0.07
Anoxic mixer no. 1	91,898	92,649	25.90
Anoxic mixer no. 2	55,422	55,422	0.00
Membrane pump 1 (RAS)	84,620	85,368	25.79
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	64,720	65,471	25.90
Forward feed no.1	10,368	10,368	0.00
Forward feed no.2	16,264	16,308	1.52
Drainage pump	1,067	1,072	0.17
Balance tank 2, pump no.1	7,001	7,003	0.07
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	96,289	97,016	25.07
Air compressor	9,797	10,549	25.93
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	[Redacted]	Date	August-21
For Period	July-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)**

## 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



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## 10. Analysis Results for Influent

Analysis Results for influent							
Date	BOD (mg/l O <sub>2</sub> )	COD (mg/l O <sub>2</sub> )	SS (mg/l)	Total Nitrogen (mg/l)	Ammonia (mg/l)	Total Phosphorous (mg/l)	pH
13/07/2021	391	1,110	370		263	20.4	9.0
Maximum for month	391	1,110	370		263	20.4	9.0
Average for month	391	1,110	370		263	20.4	9.0
Design values	220		170		105	11.2	

## 11. Analysis Results for Final Effluent

Analysis Results for Final Effluent							
Date	BOD (mg/l O <sub>2</sub> )	COD (mg/l O <sub>2</sub> )	SS (mg/l)	Total Nitrogen (mg/l)	Ammonia (mg/l)	Total Phosphorous (mg/l)	pH
13/07/2021	2	35	6		0.285	11.7	6.37
Average for month	2.0	35	6.0	N/A	0.29	11.70	6.4
Licence limit	15	100	15	15	5	2	6 to 9