

Donegan, Fergus (Alab)

From: McManus, Catherine [REDACTED]
Sent: Tuesday 19 March 2024 14:45
To: Alab, Info
Cc: Booth, Yvonne
Subject: Ref AP1/2019 Request for further information

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Your Ref. **AP1/2019**
Site Ref. T06/202

Dear Ms Carton,

I refer to your letter dated 14th March 2024, requesting further environmental monitoring information regarding the above appeal reference – AP1/2019.

In the following WeTransfer link you will find the following documents

<https://we.tl/t-9tssbtyfxq>

- Kenmare Bay Water quality monitoring reports to include Deenish sea site – 2015/2016 to 2018/2019.
- Benthic monitoring reports – 2016, 2017, 2018, 2019.

Best regards

Catherine McManus

Operations Director Farming (Ireland)
MOWI IRELAND

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Inishfarnard Marine Site

Sample point	GPS location	DATE	WEEK	NO ₂ ug/L	NO ₃ ug/L	Phosphorous ug/L	TAN ug/l	Chlorophyll ug/l
1m below surface	N:51°42.662; W:10°00.461	17-Dec-15	51	0.70	77.97	43.67	7.08	0.00
		31-Jan-16	5	1.98	85.81	40.22	2.92	0.00
		25-Feb-16	8	3.63	18.93	17.45	1.77	0.00
		24-Mar-16	12	0.78	36.98	22.3	11.54	0.44
Mid depth		17-Dec-15	51	0.70	61.87	29.57	8.20	1.08
		31-Jan-16	5	1.98	87.65	44.30	13.88	0.00
		25-Feb-16	8	1.63	56.05	25.36	7.03	0.00
		24-Mar-16	12	0.21	36.64	27.02	9.56	0.69
1m above seabed		17-Dec-15	51	0.70	69.92	36.62	8.20	0.00
		31-Jan-16	5	2.25	92.92	34.10	12.88	0.00
		25-Feb-16	8	1.07	9.62	17.45	1.77	0.11
		24-Mar-16	12	0.78	33.46	17.59	7.58	0.49
Kenmare Bay Control	17-Dec-15	51	2.38	75.03	46.03	10.44	0.00	
	31-Jan-16	5	1.14	45.12	25.94	8.90	0.00	
	25-Feb-16	8	2.20	79.80	39.20	5.98	0.08	
	29-Mar-16	13	2.48	95.19	15.23	6.60	0.96	

Deenish Marine Site

Sample point	GPS location	DATE	WEEK	NO ₂ ug/L	NO ₃ ug/L	Phosphorous ug/L	TAN ug/l	Chlorophyll ug/l
1m below surface	N:51°44.226; W:10°12.633	12-Dec-15	50	3.23	94.35	38.97	12.68	0.00
		21-Jan-16	3	1.42	78.04	62.66	20.84	0.00
		19-Feb-16	7	1.63	77.91	53.04	17.55	0.00
		29-Mar-16	13	1.35	59.32	8.15	10.55	1.35
Mid depth		12-Dec-15	50	2.10	91.39	34.27	7.08	0.00
		21-Jan-16	3	1.14	68.16	38.18	9.89	0.00
		19-Feb-16	7	1.35	75.35	31.29	8.08	0.00
		29-Mar-16	13	0.78	56.34	8.15	8.57	0.94
1m above seabed		12-Dec-15	50	1.54	87.90	76.59	11.56	0.44
		21-Jan-16	3	1.42	68.82	48.38	8.90	0.00
		19-Feb-16	7	1.63	77.91	31.29	4.93	0.38
		29-Mar-16	13	3.05	96.41	15.23	5.61	0.44

Inishfarnard Marine Site T5/233

Sample point	GPS location	DATE	WEEK	NO ₂ ug/L	NO ₃ ug/L	Phosphorous ug/L	TAN ug/l	Dissolved Inorganic Nitrogen ug/L	Salinity ppt	STATUS ⁽¹⁾
1m below surface	51.710564, -10.009295	12-Dec-18	50	3.17	114.53	37.22	12.05	129.75	29.7	HIGH
		21-Jan-19	4	2.33	88.28	26.87	2.65	93.26	29.6	
		26-Feb-19	9	3.82	80.71	27.24	2.67	87.20	30.3	
		20-Mar-19	12	2.26	26.07	20.56	4.87	33.20	30.3	
Mid depth		12-Dec-18	50	3.46	115.11	31.00	12.05	130.62	30.1	HIGH
		21-Jan-19	4	2.33	97.32	28.92	2.65	102.30	29.5	
		26-Feb-19	9	3.82	79.85	23.14	3.75	87.42	30.4	
		20-Mar-19	12	2.57	24.92	24.51	4.87	32.4	30.2	
1m above seabed		12-Dec-18	50	3.46	145.06	31.00	13.07	161.59	30.1	HIGH
		21-Jan-19	4	2.33	103.89	33.03	3.73	109.95	29.5	
		26-Feb-19	9	4.14	83.88	21.10	5.90	93.92	29.4	
		20-Mar-19	12	2.26	26.93	20.56	7.01	36.2	30.0	
Kenmare Bay Control	51.73785, -10.114289	12-Dec-18	50	4.33	136.53	31.00	4.95	145.81	30.0	HIGH
		21-Jan-19	4	2.33	102.25	28.92	4.82	109.40	29.9	
		26-Feb-19	9	3.82	86.78	23.14	4.82	95.42	30.2	
		20-Mar-19	12	2.57	28.35	26.49	7.01	37.9	30.3	

Deenish Marine Site T6/202

Sample point	GPS location	DATE	WEEK	NO ₂ ug/L	NO ₃ ug/L	Phosphorous ug/L	TAN ug/l	Dissolved Inorganic Nitrogen ug/L	Salinity ppt	STATUS ⁽¹⁾	
1m below surface	51.738622, -10.213069	12-Dec-18	50	3.17	141.06	31.00	5.96	150.19	30.0	HIGH	
		Jan-19				No Stock					
		Feb-19				No Stock					
Mid depth		12-Dec-18	50	3.17	138.49	31.00	9.01	150.67	29.9	HIGH	
		Jan-19				No Stock					
		Feb-19				No Stock					
		Mar-19				No Stock					
1m above seabed		12-Dec-18	50	3.17	141.06	33.07	4.95	149.18	30.1	HIGH	
		Jan-19				No Stock					
		Feb-19				No Stock					
Kenmare Bay Control		51.73785, -10.114289	12-Dec-18	50	4.33	136.53	31.00	4.95	145.81	30.0	HIGH
			Jan-19				No Stock				
	Feb-19					No Stock					
	Mar-19					No Stock					

(1) Ref. S.I. No. 272/2009 - European Communities Environmental Objectives (Surface Waters) Regulations 2009 (Coastal Water body)

Bernie McFadden
 Bernie McFadden

Note 1: The results above relate only to the sample item tested.
 Note 2: The report shall not be reproduced in full without the prior agreement of the Mowi Ireland Laboratory Quality Manager
 Note 3: The sample tested was in satisfactory condition unless otherwise stated.



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Inishfarnard Marine Site T5/233

Sample point	GPS location	DATE	WEEK	NO ₂ ug/L	NO ₃ ug/L	Phosphorous ug/L	TAN ug/l	Chlorophyll ug/l	Salinity ppt	Dissolved Inorganic Nitrogen ug/L	STATUS (1)
1m below surface	N:51°42.662; W:10°00.461	Dec-17				No Stock					High
		Jan-18				No Stock					
		28-Feb-18	9	2.57	41.78	36.00	15.57	0.14	31.0	59.92	
Mid depth		30-Mar-18	13	2.36	74.16	17.66	12.54	0.00	30.8	89.06	
		Dec-17					No Stock				High
		Jan-18				No Stock					
28-Feb-18		9	3.12	42.98	30.13	10.10	0.00	31.0	56.20		
1m above seabed		30-Mar-18	13	2.64	77.82	36.41	13.59	0.00	31.0	94.05	
		Dec-17					No Stock				High
		Jan-18				No Stock					
28-Feb-18		9	2.84	42.38	36.00	21.05	0.11	31.0	66.27		
1m above seabed		30-Mar-18	13	2.36	82.02	23.91	15.70	0.00	30.9	100.08	

Deenish Marine Site T6/202

Sample point	GPS location	DATE	WEEK	NO ₂ ug/L	NO ₃ ug/L	Phosphorous ug/L	TAN ug/l	Chlorophyll ug/l	Salinity ppt	Dissolved Inorganic Nitrogen ug/L	STATUS (1)
1m below surface	N:51°44.226; W:10°12.633	15-Dec-17	50	1.66	61.84	27.00	1.34	0.66	28.8	64.84	High
		30-Jan-18	5	2.26	124.37	31.51	5.53	1.11	29.2	132.16	
		28-Feb-18	9	2.57	37.45	30.13	7.91	0.00	31.1	47.93	
		31-Mar-18	13	2.07	58.69	17.66	12.54	0.11	29.9	73.30	
Mid depth		15-Dec-17	50	1.38	76.47	23.2	1.34	0.28	29.1	79.19	High
		30-Jan-18	5	1.98	116.25	29.61	5.53	0.59	29.2	123.76	
		28-Feb-18	9	2.29	42.04	28.18	9.00	0.00	31.1	53.33	
		31-Mar-18	13	2.07	58.69	19.74	9.38	0.00	29.7	70.14	
1m above seabed		15-Dec-17	50	1.66	88.64	27.00	2.39	0.19	29.0	92.69	High
		30-Jan-18	5	2.26	122.51	23.92	3.21	0.94	29.2	127.98	
		28-Feb-18	9	2.29	43.77	28.18	9.00	0.00	31.1	55.06	
		31-Mar-18	13	2.07	62.63	17.66	13.59	0.00	30.2	78.29	
Kenmare Bay Control	N:51°39.514 W:9°45.802	15-Dec-17	50	1.38	109.02	23.20	3.43	0.58	29.2	113.83	High
		30-Jan-18	5	3.08	132.89	27.72	6.69	1.14	27.2	142.66	
		28-Feb-18	9	2.84	42.24	30.13	15.57	0.00	31.2	60.65	
		31-Mar-18	13	2.36	80.71	25.99	11.48	0.00	30.9	94.55	

(1) Ref. S.I. No. 272/2009 - European Communities Environmental Objectives (Surface Waters) Regulations 2009 (Coastal Water body)

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Inishfarnard Marine Site T5/233

Sample point	GPS location	DATE	WEEK	NO ₂ ug/L	NO ₃ ug/L	Phosphorous ug/L	TAN ug/l	Chlorophyll ug/l	STATUS ⁽¹⁾
1m below surface	N:51°42.662; W:10°00.461	11-Dec-16	50	41.53	66.27	29.21	4.92	1.78	High
		06-Jan-17	1	2.18	110.21	1.11	14.34	0.88	
		17-Feb-17	7	2.44	39.87	41.27	11.41	0.00	
		31-Mar-17	13	2.29	25.75	8.47	7.98	0.30	
Mid depth		11-Dec-16	50	3.47	101.30	27.21	3.86	1.92	High
		06-Jan-17	1	2.18	123.31	1.11	10.15	2.90	
		17-Feb-17	7	2.44	48.66	47.23	7.08	0.35	
		31-Mar-17	13	2.29	25.75	12.96	5.32	0.05	
1m above seabed		11-Dec-16	50	3.75	90.88	31.20	7.05	1.15	High
		06-Jan-17	1	1.90	143.65	1.93	6.79	2.10	
		17-Feb-17	7	2.44	50.41	33.31	7.08	0.19	
		31-Mar-17	13	2.02	27.88	12.96	14.18	0.30	
Kenmare Bay Control	N:51°39.514 W:9°45.802	06-Jan-17	1	3.58 2.29	119.35 29.50	3.79 19.69	7.63 18.60	0.71 0.41	High

Deenish Marine Site T6/202

Sample point	GPS location	DATE	WEEK	NO ₂ ug/L	NO ₃ ug/L	Phosphorous ug/L	TAN ug/l	Chlorophyll ug/l	STATUS ⁽¹⁾
1m below surface	N:51°44.226; W:10°12.633	09-Dec-16	49	2.08	31.52	33.19	7.05	0.85	High
		06-Jan-17	1	2.18	131.16	1.31	19.38	3.41	
		17-Feb-17	7	2.44	53.93	29.33	14.88	0.00	
		31-Mar-17	13	2.02	28.82	19.69	5.32	0.72	
Mid depth		09-Dec-16	49	2.92	43.71	47.15	9.17	0.77	High
		06-Jan-17	1	1.62	161.38	2.97	11.83	1.02	
		17-Feb-17	7	2.71	65.1	27.34	7.08	0.18	
		31-Mar-17	13	2.02	31.94	12.96	5.32	0.00	
1m above seabed		09-Dec-16	49	3.19	48.52	39.17	13.41	0.34	High
		06-Jan-17	1	1.05	149.69	2.35	6.79	3.20	
		17-Feb-17	7	2.44	73.27	35.30	7.08	0.13	
		31-Mar-17	13	3.11	36.22	15.20	81.44	0.41	

(1) Ref. S.I. No. 272/2009 - European Communities Environmental Objectives (Surface Waters) Regulations 2009 (Coastal Water body)