

Annual Environmental Report 2018

Bord na Mona Energy Ltd
(Mountdillon Group of Bogs)
IPC Licence P0504-01

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Facility Information Summary	
AER Reporting Year	2018
Licence Register Number	P0504-01
Name of site	Bord na Mona Mountdillon
Site Location	Mountdillon, Lanesboro, Co Longford
NACE Code	0892
Class/Classes of Activity	1.4
National Grid Reference (6E, 6 N)	E204720. N268880

A description of the activities/processes at the site for the reporting year. This should include information such as production increases or decreases on site, any infrastructural changes, environmental performance which was measured during the reporting year **and an overview of compliance with your licence listing all exceedances of licence limits (where applicable) and what they relate to e.g. air, water, noise.**

Activities on site can be divided into two components, firstly the milling, harrowing, ridging and harvesting of peat into stockpiles and secondly the transportation of that peat via an internal rail network to the Power Station and lorry outloading facilities. Production achieved was approximately 853187 tonnes which was 118% of target, headland peat amounted to 3246 tonnes collected. Infrastructurally, there was bog development works at Coolcraff bog in Cuil na Gun. Works included ditching and levelling on an area of approximately 180 hectares and the construction of appropriately sized silt settlement ponds. There was 10 environmental complaints received during the reporting period, this was reported to the Agency through ALDER. In relation to silt pond cleaning, 100% of ponds received two cleanings with some ponds receiving three. The site had four trigger level exceedances for COD. In relation to quarterly grab results, there was one trigger level exceedance for Ammonia in relation to quarterly grab results. Decommissioning and Rehabilitation works are described in an attachment.

Declaration:

All the data and information presented in this report has been checked and certified as being

	<u>22/03/2019</u>
Signature	Date
Group/Facility manager	
(or nominated, suitably qualified and experienced deputy)	

AIR-summary template	Lic No:	PO-504-01	Year	2018
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Answer all questions and complete all tables where relevant

1	Does your site have licensed air emissions? If yes please complete table A1 and A2 below for the current reporting year and answer further questions. If you do not have licenced emissions and do not complete a solvent management plan (table A4 and A5) you <u>do not</u> need to complete the tables	Additional information	
		No	Fugitive emissions only

Periodic/Non-Continuous Monitoring

2	Are there any results in breach of licence requirements? If yes please provide brief details in the comment section of TableA1 below	No	
3	Was all monitoring carried out in accordance with EPA guidance note AG2 and using the basic air monitoring checklist? Basic air monitoring checklist AGN2	Yes	

Table A1: Licensed Mass Emissions/Ambient data-periodic monitoring (non-continuous)

Emission reference no:	Parameter/ Substance	Frequency of Monitoring	ELV in licence or any revision thereof	Licence Compliance criteria	Measured value	Unit of measurement	Compliant with licence limit	Method of analysis	Annual mass load (kg)	Comments - reason for change in % mass load from previous year if applicable
	SELECT			SELECT		SELECT	SELECT	SELECT		
	SELECT			SELECT		SELECT	SELECT	SELECT		
	SELECT			SELECT		SELECT	SELECT	SELECT		
	SELECT			SELECT		SELECT	SELECT	SELECT		

Note 1: Volumetric flow shall be included as a reportable parameter

Continuous Monitoring

4	Does your site carry out continuous air emissions monitoring?	No	
	If yes please review your continuous monitoring data and report the required fields below in Table A2 and compare it to its relevant Emission Limit Value (ELV)		
5	Did continuous monitoring equipment experience downtime? If yes please record downtime in table A2 below	No	
6	Do you have a proactive service agreement for each piece of continuous monitoring equipment?	No	
7	Did your site experience any abatement system bypasses? If yes please detail them in table A3 below	No	

AIR-summary template	Lic No:	PO-504-01	Year	2018
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Table A2: Summary of average emissions -continuous monitoring

Emission reference no:	Parameter/ Substance	ELV in licence or any revision thereof	Averaging Period	Compliance Criteria	Units of measurement	Annual Emission	Annual maximum	Monitoring Equipment downtime (hours)	Number of ELV exceedences in current reporting year	Comments
DM-01	Total Particulates	350mg/m2/day	84	Daily average < ELV	mg/m2/day	4396	117	0	0	
DM-02	Total Particulates	350mg/m2/day	84	Daily average < ELV	mg/m2/day	5992	122	0	0	
DM-05	Total Particulates	350mg/m2/day	84	Daily average < ELV	mg/m2/day	7280	166	0	0	
DM-06	Total Particulates	350mg/m2/day	84	Daily average < ELV	mg/m2/day	5180	133	0	0	
	SELECT				SELECT					

note 1: Volumetric flow shall be included as a reportable parameter.

Table A3: Abatement system bypass reporting table

[Bypass protocol](#)

Date*	Duration** (hours)	Location	Reason for bypass	Impact magnitude	Corrective action

* this should include all dates that an abatement system bypass occurred

** an accurate record of time bypass beginning and end should be logged on site and maintained for future Agency inspections please refer to bypass protocol link

Solvent use and management on site

8 Do you have a total Emission Limit Value of direct and fugitive emissions on site? if yes please fill out tables A4 and A5

No	
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Table A4: Solvent Management Plan Summary
Total VOC Emission limit value

Solvent
regulations

Please refer to linked solvent regulations to complete table 5 and 6

Reporting year	Total solvent input on site (kg)	Total VOC emissions to Air from entire site (direct and fugitive)	Total VOC emissions as %of solvent input	Total Emission Limit Value (ELV) in licence or any revision thereof	Compliance
					SELECT
					SELECT

Table A5: Solvent Mass Balance summary

	(I) Inputs (kg)	(O) Outputs (kg)						
Solvent	(I) Inputs (kg)	Organic solvent emission in waste	Solvents lost in water (kg)	Collected waste solvent (kg)	Fugitive Organic Solvent (kg)	Solvent released in other ways e.g. by-	Solvents destroyed onsite	Total emission of Solvent to air (kg)
							Total	

AER Monitoring returns summary template-WATER/WASTEWATER(SEWER)	Lic No:	PO-504-01	Year	2018
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Does your site have licensed emissions direct to surface water or direct to sewer? If yes please complete table W2 and W3 below for the current reporting year and answer further questions. If you do not have licensed emissions you only need to complete table W1 and or W2 for storm water analysis and visual inspections	Additional information
Yes	
Was it a requirement of your licence to carry out visual inspections on any surface water discharges or watercourses on or near your site? If yes please complete table W2 below summarising <u>only any evidence of contamination noted during visual inspections</u>	Monthly COD analysis of yard runoff is attached in a separate document.
Yes	

Table W1 Storm water monitoring

Location reference	Location relative to site activities	PRTR Parameter	Licensed Parameter	Monitoring date	ELV or trigger level in licence or any revision thereof*	Licence Compliance criteria	Measured value	Unit of measurement	Compliant with licence	Comments
	SELECT	SELECT	SELECT			SELECT		SELECT	SELECT	
	SELECT	SELECT	SELECT			SELECT		SELECT	SELECT	

*trigger values may be agreed by the Agency outside of licence conditions

Table W2 Visual inspections-Please only enter details where contamination was observed.

Location Reference	Date of inspection	Description of contamination	Source of contamination	Corrective action	Comments
			SELECT		
			SELECT		

Licensed Emissions to water and /or wastewater(sewer)-periodic monitoring (non-continuous)

Was there any result in breach of licence requirements? If yes please provide brief details in the comment section of Table W3 below	NO	Additional information
Was all monitoring carried out in accordance with EPA guidance and checklists for Quality of Aqueous Monitoring Data Reported to the EPA? If no please detail what areas require improvement in additional information box	Yes	Surface water monitoring was carried out on a quarterly basis. The results of which are attached. Monthly COD yard runoff results are also attached.

Table W3: Licensed Emissions to water and /or wastewater (sewer)-periodic monitoring (non-continuous)

Emission reference no:	Emission released to	Parameter/ SubstanceNote 1	Type of sample	Frequency of monitoring	Averaging period	ELV or trigger values in licence or any revision thereof ^{Note 2}	Licence Compliance criteria	Measured value	Unit of measurement	Compliant with licence	Method of analysis	Procedural reference source	Procedural reference standard number	Annual mass load (kg)	Comments

Note 1: Volumetric flow shall be included as a reportable parameter

Note 2: Where Emission Limit Values (ELV) do not apply to your licence please compare results against EQS for Surface water or relevant receptor quality standards

AER Monitoring returns summary template-WATER/WASTEWATER(SEWER)				Lic No:	PO-504-01	Year	2018
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Continuous monitoring

5 Does your site carry out continuous emissions to water/sewer monitoring?

Yes	Additional Information
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If yes please summarise your continuous monitoring data below in Table W4 and compare it to its relevant Emission Limit Value (ELV)

6 Did continuous monitoring equipment experience downtime? If yes please record downtime in table W4 below

Yes	250 days in 365. See note below
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7 Do you have a proactive service contract for each piece of continuous monitoring equipment on site?

Yes	Annual calibration schedule and trouble shooting service
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8 Did abatement system bypass occur during the reporting year? If yes please complete table W5 below

No	
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Table W4: Summary of average emissions -continuous monitoring

Emission reference no:	Emission released to	Parameter/ Substance	ELV or trigger values in licence or any revision thereof	Averaging Period	Compliance Criteria	Units of measurement	Annual Emission for current reporting year (kg)	% change +/- from previous reporting year	Monitoring Equipment downtime (hours)	Number of ELV exceedences in reporting year	Comments
SW77A	Water	Suspended Solids	35	24 hour	Not lifted	mg/L			6000		Down time is usually due to no flow and battery failure issues. However
SW77A	Water	Ammonia (as N)	NA	Weekly		mg/L					
SW77A	Water	Total phosphorus	NA	Weekly	NA	mg/L					
SW77A	Water	COD	NA	Weekly	NA	mg/L					
SW77A	Water	volumetric flow	NA	24 hour	NA	m3/day					
SW77A	Water	Total Dissolved Solids	NA	Weekly	NA	mg/L					

note 1: Volumetric flow shall be included as a reportable parameter.

Table W5: Abatement system bypass reporting table

Date	Duration (hours)	Location	Resultant emissions	Reason for bypass	Corrective action*	Was a report submitted to the EPA?	When was this report submitted?
						SELECT	

*Measures taken or proposed to reduce or limit bypass frequency

Bund/Pipeline testing template	Lic No:	PO-504-01	Year	2018	
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Bund testing dropdown menu click to see options

Are you required by your licence to undertake integrity testing on bunds and containment structures? If yes please fill out table B1 below listing all new bunds and containment structures on site, in addition to all bunds which failed the integrity test-all bunding structures which failed including mobile bunds must be listed in the table below, please include all bunds outside the licenced testing period (mobile bunds and chemstore included)

- 1 Please provide integrity testing frequency period
- 2 Does the site maintain a register of bunds, underground pipelines (including stormwater and foul), Tanks, sumps and containers? (containers refers to "Chemstore" type units and mobile bunds)
- 3 How many bunds are on site?
- 4 How many of these bunds have been tested within the required test schedule?
- 5 How many mobile bunds are on site?
- 6 Are the mobile bunds included in the bund test schedule?
- 7 How many of these mobile bunds have been tested within the required test schedule?
- 8 How many sumps on site are included in the integrity test schedule?
- 9 How many of these sumps are integrity tested within the test schedule?

Please list any sump integrity failures in table B1

- 11 Do all sumps and chambers have high level liquid alarms?
- 12 If yes to Q11 are these failsafe systems included in a maintenance and testing programme?
- 13 Is the Fire Water Retention Pond included in your integrity test programme?

Additional information	
Yes	
Other (2 Yearly)	
Yes	
5	
5	All Bunds were tested in 2017
7	
No	
0	
0	
0	
N/A	
N/A	
N/A	

Table B1: Summary details of bund /containment structure integrity test

Bund/Containment structure ID	Type	Specify Other type	Product containment	Actual capacity	Capacity required*	Type of integrity test	Other test type	Test date	Integrity reports maintained on site?	Results of test	Integrity test failure explanation <50 words	Corrective action taken	Scheduled date for retest	Results of retest(if in current reporting year)
	SELECT					SELECT			SELECT	SELECT		SELECT		
	SELECT					SELECT			SELECT	SELECT		SELECT		

* Capacity required should comply with 25% or 110% containment rule as detailed in your licence

- 15 Has integrity testing been carried out in accordance with licence requirements and are all structures tested in line with BS8007/EPA Guidance?

[bundling and storage guidelines](#)

- 16 Are channels/transfer systems to remote containment systems tested?
- 17 Are channels/transfer systems compliant in both integrity and available volume?

Commentary	
SELECT	
SELECT	
SELECT	

Pipeline/underground structure testing

Are you required by your licence to undertake integrity testing* on underground structures e.g. pipelines or sumps etc? If yes please fill out table 2 below listing all underground structures and pipelines on site which failed the integrity test and all which have not been tested within the integrity

1 test period as specified

2 Please provide integrity testing frequency period

*please note integrity testing means water tightness testing for process and foul pipelines (as required under your licence)

Yes	Petrol tank Tested 04 April 2018 and Passed
Other (2 Yearly)	

Table B2: Summary details of pipeline/underground structures integrity test

Structure ID	Type system	Material of construction:	Does this structure have Secondary containment?	Type of secondary containment	Type integrity testing	Integrity reports maintained on site?	Results of test	Integrity test failure explanation <50 words	Corrective action taken	Scheduled date for retest	Results of retest(if in current reporting year)
	SELECT	SELECT	SELECT	SELECT	SELECT	SELECT	SELECT				SELECT

Please use commentary for additional details not answered by tables/ questions above

Comments

		Comments
1	Are you required to carry out groundwater monitoring as part of your licence requirements?	no
2	Are you required to carry out soil monitoring as part of your licence requirements?	no
3	Do you extract groundwater for use on site? If yes please specify use in comment section	no
4	Do monitoring results show that groundwater generic assessment criteria such as GTVs or IGVs are exceeded or is there an upward trend in results for a substance? If yes, please complete the Groundwater Monitoring Guideline Template Report (link in cell G8) and submit separately through ALDER as a licensee return AND answer questions 5-12 below.	Groundwater monitoring template. SELECT
5	Is the contamination related to operations at the facility (either current and/or historic)	N/A
6	Have actions been taken to address contamination issues? If yes please summarise remediation strategies proposed/undertaken for the site	N/A
7	Please specify the proposed time frame for the remediation strategy	N/A
8	Is there a licence condition to carry out/update ELRA for the site?	N/A
9	Has any type of risk assessment been carried out for the site?	N/A
10	Has a Conceptual Site Model been developed for the site?	N/A
11	Have potential receptors been identified on and off site?	N/A
12	Is there evidence that contamination is migrating offsite?	N/A

Please provide an interpretation of groundwater monitoring data in the interpretation box below or if you require additional space please include a groundwater/contaminated land monitoring results interpretation as an additional section in this AER

Please enter interpretation of data here

Please enter interpretation of data here		
		Upward trend in pollutant concentration over last 5 years of monitoring data
GTV's*	SELECT**	SELECT
		SELECT

reporting year

		Upward trend in yearly average pollutant concentration over last 5 years of monitoring data
GTV's	SELECT**	SELECT
		SELECT

Date of sampling	Sample location/reference	Parameter/Substance	Methodology	Monitoring frequency	Maximum Concentration++	Average Concentration+	unit	GTV's*	SELECT**	Upward trend in pollutant concentration over last 5 years of monitoring data
							SELECT			SELECT
							SELECT			SELECT

+, where average indicates arithmetic mean

++ maximum concentration indicates the maximum measured concentration from all monitoring results produced during the reporting year

		upward trend in yearly average pollutant concentration over last 5 years of monitoring data
GT	SELECT**	SELECT
		SELECT

Date of sampling	Sample location reference	Parameter/ Substance	Methodology	Monitoring frequency	Maximum Concentration	Average Concentration	unit	GTW	SELECT**	Upward trend in yearly average pollutant concentration over last 5 years of monitoring data
							SELECT			SELECT
							SELECT			SELECT

* please note exceedance of generic assessment criteria (GAC) such as a Groundwater Threshold Value (GTV) or an Interim Guideline Value (IGV) or an upward trend in results for a substance indicates that further interpretation of monitoring results is required. In addition to completing the above table, please complete the Groundwater Monitoring Guideline Template Report at the link provided and submit separately through ALDER as a licensee return or as otherwise instructed by the EPA.

Groundwater monitoring template

More information on the use of soil and groundwater standards/ generic assessment criteria (GAC) and risk assessment tools is available in the EPA published guidance (see the link in G31)

Guidance on the Management of Contaminated Land and Groundwater at EPA Licensed Sites (EPA 2013).

**Depending on location of the site and proximity to other sensitive receptors alternative Receptor based Water Quality standards should be used in addition to the GTV e.g. if the site is close to surface water compare to Surface Water Environmental Quality Standards (SWEQS), if the site is close to a drinking water supply compare results to the Drinking Water Standards (DWS)

Surface water EOS	Groundwater regulations	Drinking water (private supply) standards	Drinking water (public supply) standards	Interim Guideline Values (IGV)
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<u>Water EQs</u>	<u>GIV's</u>	<u>standards</u>	<u>standards</u>	<u>values (IGV)</u>
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Date of sampling	Sample location reference	Parameter/Substance	Methodology	Monitoring frequency	Maximum Concentration	Average Concentration	unit
							SELECT
							SELECT

Where additional detail is required please enter it here in 200 words or less

Environmental Liabilities template	Lic No:	PO-504-01	Year	2018
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[Click here to access EPA guidance on Environmental Liabilities and Financial provision](#)

		Commentary	
1	ELRA initial agreement status	Not a Licence Requirement	
2	ELRA review status	NA	
3	Amount of Financial Provision cover required as determined by the latest ELRA	NA	
4	Financial Provision for ELRA status	NA	
5	Financial Provision for ELRA - amount of cover	NA	
6	Financial Provision for ELRA - type	NA	
7	Financial provision for ELRA expiry date	NA	
8	Closure plan initial agreement status	NA	Internal Budget Provision
9	Closure plan review status	NA	Internal Budget Provision
10	Financial Provision for Closure status	NA	Internal Budget Provision
11	Financial Provision for Closure - amount of cover	NA	Internal Budget Provision
12	Financial Provision for Closure - type	NA	Internal Budget Provision
13	Financial provision for Closure expiry date	NA	

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Environmental Management Programme/Continuous Improvement Programme template			Lic No:	PO-504-01	Year	2018
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Highlighted cells contain dropdown menu click to view		Additional Information	
1	Do you maintain an Environmental Mangement System (EMS) for the site. If yes, please detail in additional information	Yes	Internal unaccredited EMS
2	Does the EMS reference the most significant environmental aspects and associated impacts on-site	Yes	
3	Does the EMS maintain an Environmental Management Programme (EMP) as required in accordance with the licence requirements	Yes	
4	Do you maintain an environmental documentation/communication system to inform the public on environmental performance of the facility, as required by the licence	Yes	

Environmental Management Programme (EMP) report					
Objective Category	Target	Status (% completed)	How target was progressed	Responsibility	Intermediate outcomes
Reduction of emissions to Air	Training.Continue to train all employees in environmental matters. Training will be by means of the screening of an environmental DVD, followed by a power point presentation.Hydraulic Harrows. There are currently 7 Hydraulic Harrows in operation in Mount Dillon. Headland Peat Collection. Continue with the collection of headland peat, particularly at dust sensitive locations.	90	In total 70 Personnel received training in 2018. There was a total of 3246 tonnes of headland peat collected in the 2018 season. 7 hydraulic harrows were deployed during the 2018 production season.	Individual	Improved Environmental Management Practices
Waste reduction/Raw material usage efficiency	Waste Streamlining.It is planned to continue with and where possible improve the current waste management service provided by AES Ltd	100	Installed a waste management system. Quarterly waste reports are returned for records/filing and waste streams are segregated on site to maximise recycling potential.	Section Head	Improved Environmental Management Practices
Reduction of emissions to Water	Training. Continue to train all employees in environmental matters. Training will be by means of the screening of an environmental DVD, followed by a power point presentation.	90	In total 70 Personnel received training in 2018. There was a total of 3246 tonnes of headland peat collected in the 2018 season.	Individual	Improved Environmental Management Practices
Materials Handling/Storage/Bunding	Increased bund capacity will be provided where required. Bund integrity testing will be carried out where required.	80	There were no additional bund requirements. Bund integrity testing will be carried out in 2017	Individual	Improved Environmental Management Practices
Waste reduction/Raw material usage efficiency	Continue with the recycling of polyethylene. The sourcing of more recycling contractors will be ongoing.	100	In total 176 tonnes of polythene were sent off site for recycling. Procurement also exploring the possibility of securing further	Individual	Improved Environmental Management Practices
Energy Efficiency/Utility conservation	Continue with the implementation process of the Energy Standard 50001.	100	The site successfully managed the energy standard 50001. Energy management is ongoing at the site with further external audits due in 2016.	Section Head	Improved Environmental Management Practices
Groundwater protection	It is proposed to upgrade existing septic tank systems where required.	90	Septic tanks are continually being assessed and upgrade works scheduled where required.	Section Head	Improved Environmental Management Practices

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Noise monitoring summary report	Lic No: PO-504-01	Year: 2018
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1 Was noise monitoring a licence requirement for the AER period?
If yes please fill in table N1 noise summary below

2 Was noise monitoring carried out using the EPA Guidance note, including completion of the "Checklist for noise measurement report" included in the guidance note as table 6?
[Noise Guidance note NG4](#)

3 Does your site have a noise reduction plan

4 When was the noise reduction plan last updated?

5 Have there been changes relevant to site noise emissions (e.g. plant or operational changes) since the last noise survey?

No

NA

NA

Enter date

NA

Table N1: Noise monitoring summary

Date of monitoring	Time period	Noise location (on site)	Noise sensitive location -NSL (if applicable)	LA _{eq}	LA ₉₀	LA ₁₀	LA _{max}	Tonal or Impulsive noise* (Y/N)	If tonal /impulsive noise was identified was 5dB penalty applied?	Comments (ex. main noise sources on site, & extraneous noise ex. road traffic)	Is site compliant with noise limits (day/evening/night)?
								SELECT	SELECT		SELECT

*Please ensure that a tonal analysis has been carried out as per guidance note NG4. These records must be maintained onsite for future inspection

If noise limits exceeded as a result of noise attributed to site activities, please choose the corrective action from the following options?

SELECT

** please explain the reason for not taking action/resolution of noise issues?

Any additional comments? (less than 200 words)

Resource Usage/Energy efficiency summary

Lic No:

PO-504-01

Year

2018

When did the site carry out the most recent energy efficiency audit? Please list the recommendations in table 3 below

Is the site a member of any accredited programmes for reducing energy usage/water conservation such as the SEAI programme linked to the right? If yes please list them in additional information

Where Fuel Oil is used in boilers on site is the sulphur content compliant with licence conditions? Please state percentage in additional information

Additional information

Jul-13	
Yes	The site secured accreditation to the energy standard 50001
No	Not a Licence requirement

Table R1 Energy usage on site				
Energy Use	Previous year	Current year	Production +/- % compared to previous reporting year**	Energy Consumption +/- % vs overall site production*
Total Energy Used (MWHrs)	11762	15225		
Total Energy Generated (MWHrs)				
Total Renewable Energy Generated (MWHrs)				
Electricity Consumption (MWHrs)	1712	1639.399		
Fossil Fuels Consumption:				
Heavy Fuel Oil (m3)				
Light Fuel Oil (m3)	1157	1,337.08		
Natural gas (m3)				
Coal/Solid fuel (metric tonnes)				
Peat (metric tonnes)				
Renewable Biomass				
Renewable energy generated on site				

* where consumption of energy can be compared to overall site production please enter this information as percentage increase or decrease compared to the previous reporting year.

** where site production information is available please enter percentage increase or decrease compared to previous year

Table R2 Water usage on site					Water Emissions	Water Consumption
Water use	Water extracted Previous year m3/yr.	Water extracted Current year m3/yr.	Production +/- % compared to previous reporting year**	Energy Consumption +/- % vs overall site production*	Volume Discharged back to environment (m3/yr)	Volume used i.e. not discharged to environment e.g. released as steam m3/yr
Groundwater						Unaccounted for Water:
Surface water						
Public supply						
Recycled water						
Total						

* where consumption of water can be compared to overall site production please enter this information as percentage increase or decrease compared to the previous reporting year.

** where site production information is available please enter percentage increase or decrease compared to previous year

Table R3 Waste Stream Summary					
	Total	Landfill	Incineration	Recycled	Other
Hazardous (Tonnes)	16.3				
Non-Hazardous (Tonnes)	4607.92				

Table R4: Energy Audit finding recommendations								
Date of audit	Recommendations	Description of Measures proposed	Origin of measures	Predicted energy savings %	Implementation date	Responsibility	Completion date	Status and comments
			SELECT					
			SELECT					
			SELECT					

Table R5: Power Generation: Where power is generated onsite (e.g. power generation facilities/food and drink industry) please complete the following information

	Unit ID	Unit ID	Unit ID	Unit ID	Station Total
Technology					
Primary Fuel					
Thermal Efficiency					
Unit Date of Commission					
Total Starts for year					
Total Running Time					
Total Electricity Generated (GWH)					
House Load (GWH)					
KWH per Litre of Process Water					
KWH per Litre of Total Water used on Site					

Complaints and Incidents summary template	Lic No:	PO-504-01	Year	2018
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Complaints	Additional information
Have you received any environmental complaints in the current reporting year? If yes please complete summary details of complaints received on site in table 1 below	
Yes	

Table 1 Complaints summary						
Date	Category	Other type (please specify)	Brief description of complaint (Free txt <20 words)	Corrective action< 20 words	Resolution status	Resolution date
17/05/2018	Air		Dust affecting house	Both parties have agreed a resolution	Complete	23/05/2018
24/06/2018	Air		Dust affecting house	Both parties have agreed a resolution	Complete	???
14/06/2018	Air		Dust affecting house	Both parties have agreed a resolution	Complete	???
21/05/2018	Air		Dust affecting house	Both parties have agreed a resolution	Complete	22/05/2018
14/06/2018	Air		Dust affecting house	Both parties have agreed a resolution	Complete	
07/07/2018	Air		Dust affecting house	Both parties have agreed a resolution	Complete	
07/07/2018	Air		Dust affecting house	Both parties have agreed a resolution	Complete	
07/07/2018	Air		Dust affecting house	Both parties have agreed a resolution	Complete	
12/07/2018	Air		Dust affecting house	Both parties have agreed a resolution	Complete	
Total complaints open at start of reporting year		0				
Total new complaints received during reporting year		9				
Total complaints closed during reporting year		9				
Balance of complaints end of reporting year		0				

Complaints and Incidents summary template	Lic No:	PO-504-01	Year	2018
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Incidents		Additional information
Have any incidents occurred on site in the current reporting year? Please list all incidents for current reporting year in Table 2 below		Yes

*For information on how to report and what constitutes an incident	What is an incident
--	-------------------------------------

Table 2 Incidents summary

Date of occurrence	Incident nature	Location of occurrence	Incident category*please refer to guidance	Receptor	Cause of incident	Other cause (please specify)	Activity in progress at time of incident	Communication	Occurrence	Corrective action<20 words	Preventative action <20 words	Resolution status	Resolution date	Likelihood of reoccurrence
09/03/2018	Trigger level reached	SW2 Derrymoylin	1. Minor	Water	Not related to site activities		No activity	EPA Ref. No. INCI014120	New	There was no activity upstream of this point that would lead to exceedance in trigger level, therefore no corrective actions are possible	NA	Complete	09/03/2018	Medium
02/05/2018	Trigger level reached	SW16 Derrycashel	1. Minor	Water	Not related to site activities		No activity	EPA Ref No. INCI014397	New	There was no activity upstream of this point that would lead to exceedance in trigger level, therefore no corrective actions are possible	NA	Complete	07/05/2018	Medium
02/05/2018	Trigger level reached	SW 17 Mountdillon	1. Minor	Water	Not related to site activities		No activity	EPA RefNo. IncI014398	New	There was no activity upstream of this point that would lead to exceedance in trigger level, therefore no corrective actions are possible	NA	Complete	07/05/2018	Medium
02/05/2018	Trigger level reached	SW 17A Mountdillon	1. Minor	Water	Not related to site activities		No activity	EPA Ref No. INCI014399	New	There was no activity upstream of this point that would lead to exceedance in trigger level, therefore no corrective actions are possible	NA	Complete	07/05/2018	Medium
27/08/2018	Trigger level reached	SW 53 Begnagh	1. Minor	Water	Not related to site activities		No activity	EPA Ref No. INCI015141	New	There was no activity upstream of this point that would lead to exceedance in trigger level, therefore no	NA	Complete	03/09/2018	Low
Total number of incidents current year		5												
Total number of incidents previous year		8												
% reduction/increase 45%														

WASTE SUMMARY	Lic No:	PO-504-01	Year	2018
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SECTION A-PRTR ON SITE WASTE TREATMENT AND WASTE TRANSFERS TAB- TO BE COMPLETED BY ALL IPPC AND WASTE FACILITIES

[PRTR facility login](#)

dropdown list click to see options

SECTION B- WASTE ACCEPTED ONTO SITE-TO BE COMPLETED BY ALL IPPC AND WASTE FACILITIES

Were any wastes accepted onto your site for recovery or disposal or treatment prior to recovery or disposal within the boundaries of your facility ?; (waste generated within your boundaries is to be captured through PRTR reporting)

If yes please enter details in table 1 below

2 Did your site have any rejected consignments of waste in the current reporting year? If yes please give a brief explanation in the additional information

3 Was waste accepted onto your site that was generated outside the Republic of Ireland? If yes please state the quantity in tonnes in additional information

Additional Information

N/A	
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SELECT	
--------	--

SELECT	
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Table 1 Details of waste accepted onto your site for recovery, disposal or treatment (do not include wastes generated at your site, as these will have been reported in your PRTR workbook)

Licensed annual tonnage limit for your site (total tonnes/annum)	EWG code	Source of waste accepted	Description of waste accepted Please enter an accurate and detailed description - which applies to relevant EWG code European Waste Catalogue EWG codes	Quantity of waste accepted in current reporting year (tonnes)	Quantity of waste accepted in previous reporting year (tonnes)	Reduction/ Increase over previous year +/- %	Reason for reduction/ increase from previous reporting year	Packaging Content (%) - only applies if the waste has a packaging component	Disposal/Recovery or treatment operation carried out at your site and the description of this operation	Quantity of waste remaining on site at the end of reporting year (tonnes)	Comments -
	European Waste Catalogue EWG codes										

SECTION C-TO BE COMPLETED BY ALL WASTE FACILITIES (waste transfer stations, Composters, Material recovery facilities etc) EXCEPT LANDFILL SITES

4 Is all waste processing infrastructure as required by your licence and approved by the Agency in place? If no please list waste processing infrastructure required onsite

SELECT	
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5 Is all waste storage infrastructure as required by your licence and approved by the Agency in place? If no please list waste storage infrastructure required on site

SELECT	
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6 Does your facility have relevant nuisance controls in place?

7 Do you have an odour management system in place for your facility? If no why?

8 Do you maintain a sludge register on site?

SELECT	
SELECT	
SELECT	

WASTE SUMMARY	Lic No:	PO-504-01	Year	2018
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SECTION D-TO BE COMPLETED BY LANDFILL SITES ONLY

Table 2 Waste type and tonnage-landfill only

Waste types permitted for disposal	Authorised/licenced annual intake for disposal (tpa)	Actual intake for disposal in reporting year (tpa)	Remaining licensed capacity at end of reporting year (m3)	Comments

Table 3 General information-Landfill only

Area ID	Date landfilling commenced	Date landfilling ceased	Currently landfilling	Private or Public Operated	Inert or non-hazardous	Predicted date to cease landfilling	Licence permits asbestos	Is there a separate cell for asbestos?	Accepted asbestos in reporting year	Total disposal area occupied by waste	Lined disposal area occupied by waste	Unlined area
										SELECT UNIT	SELECT UNIT	SELECT UNIT
Cell 8												

Table 4 Environmental monitoring-landfill only [Landfill Manual-Monitoring Standards](#)

Was meteorological monitoring in compliance with Landfill Directive (LD) standard in reporting year +	Was leachate monitored in compliance with LD standard in reporting year	Was Landfill Gas monitored in compliance with LD standard in reporting year	Was SW monitored in compliance with LD standard in reporting year	Have GW trigger levels been established	Were emission limit values agreed with the Agency (ELVs)	Was topography of the site surveyed in reporting year	Has the statement under S53(A)(5) of WMA been submitted in reporting year	Comments

+ please refer to Landfill Manual linked above for relevant Landfill Directive monitoring standards

Table 5 Capping-Landfill only

Area uncapped*	Area with temporary cap	Area with final cap to LD Standard m2 ha, a	Area capped other	Area with waste that should be permanently capped to date under licence	What materials are used in the cap	Comments
SELECT UNIT	SELECT UNIT					

*please note this includes daily cover area

Table 6 Leachate-Landfill only

9 Is leachate from your site treated in a Waste Water Treatment Plant?

SELECT

10 Is leachate released to surface water? If yes please complete leachate mass load information below

SELECT

Volume of leachate in reporting year(m3)	Leachate (BOD) mass load (kg/annum)	Leachate (COD) mass load (kg/annum)	Leachate (NH4) mass load (kg/annum)	Leachate (Chloride) mass load kg/annum	Leachate treatment on-site	Specify type of leachate treatment	Comments

Please ensure that all information reported in the landfill gas section is consistent with the Landfill Gas Survey submitted in conjunction with PRTR returns

Table 7 Landfill Gas-Landfill only

Gas Captured&Treated by LFG System m3	Power generated (MW / KWh)	Used on-site or to national grid	Was surface emissions monitoring performed during the reporting year?	Comments
			SELECT	

Waste Summary Continued	Lic No:	P0504-01	Year	2018
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European Waste Code (EWC)	Description of Waste (in line with applicable EWC code)	Hazardous – YES/NO	Quantity (Tonnes)	Name & Permit No. of Agent/Carrier	Treatment Type – Recovered / Disposed / Recycled	Name, Address & Licence/Permit No. of FINAL Destination	Country
02 01 04	waste plastics (except packaging)	No	176.02	ADN Materials Ltd.WFP-MN-12-0001-04	R03 - Recycling/reclamation of organic substances which are not used as solvents (including composting and other biological transformation processes)	ADN Materials Ltd., Lossetts, Carrickmacross, Co. Monaghan - WFP-MN-12-0001-04	Ireland
13 02 05*	mineral-based non-chlorinated engine, gear and lubricating oils	Yes	4.7	Enva Ireland Limited (Portlaoise) - W0184	R01 - Use principally as a fuel or other means to generate energy	Enva Ireland Limited, Clonminam Industrial Estate, Portlaoise - W0184	Ireland
15 01 01	paper and cardboard packaging	No	5.52	Mulleady's Limited (Drumlish) - W0169	R03 - Recycling/reclamation of organic substances which are not used as solvents (including composting and other biological transformation processes)	Mulleady's Limited, Cloonagh Drumlish, Co. Longford - W0169	Ireland
15 01 03	wooden packaging	No	5.52	AES Ltd WP-OY-08-601-01	R01 - Use principally as a fuel or other means to generate energy	AES LTD, Cappincur, Tullamore, Co. Offaly - WP-OY-08-601-01	Ireland
15 02 02*	absorbents, filter materials (including oil filters not otherwise specified), wiping cloths, protective clothing contaminated by hazardous substances	Yes	0.15	Enva Ireland Limited - L1745	R01 - Use principally as a fuel or other means to generate energy	Lindenschmidt, Kreutzal - Reg No: E97095037	Germany
16 01 07*	oil filters	Yes	1.32	Enva Ireland Limited (Portlaoise) - W0184	R04 - Recycling/reclamation of metals and metal compounds	R.D. Recycling, Houthalen, Reg No: 51727/1KD	Belgium
16 06 01*	lead batteries	Yes	1.79	Enva Ireland Limited (Portlaoise) - W0184	R04 - Recycling/reclamation of metals and metal compounds	Campine Recycling, Beerse - MLAV/05173/GVDA	Belgium
11 01 13*	degreasing wastes containing hazardous substances	Yes	0.09	Safety Kleen Ireland Ltd - W0099	R02 - Solvent reclamation/regeneration	Solvent Recovery Management, PP33345F, Wheeland Rd., Knottingly, West Yorks	UK
13 05 03*	interceptor sludges	Yes	8.24	Enva Ireland Limited (Portlaoise) - W0184	R01 - Use principally as a fuel or other means to generate energy	Enva Ireland Limited, Clonminam Industrial Estate, Portlaoise - W0184	Ireland
17 04 07	mixed metals	No	75.94	AES Ltd WP-OY-08-601-01	R04 - Recycling/reclamation of metals and metal compounds	AES LTD, Cappincur, Tullamore, Co. Offaly - WP-OY-08-601-01	Ireland
20 03 01 A	Municipal mixed residual household	No	0.86	AES Ltd WP-OY-08-601-01	D05 - Specially engineered landfill (e.g. placement into lined discrete cells which are capped and isolated from one another and the environment, etc.)	AES LTD, Cappincur, Tullamore, Co. Offaly - WP-OY-08-601-01	Ireland
20 03 01 B	Municipal mixed residual non-household	No	18.42	AES Ltd WP-OY-08-601-01	D05 - Specially engineered landfill (e.g. placement into lined discrete cells which are capped and isolated from one another and the environment, etc.)	AES LTD, Cappincur, Tullamore, Co. Offaly - WP-OY-08-601-01	Ireland
20 01 21*	Household waste fluorescent lamps and other mercury containing waste	Yes	0.06	KMK Metals Recycling Ltd. - L2952	R04 - Recycling/reclamation of metals and metal compounds	KMK Metals Recycling Ltd, Cappincur Industrial Estate, Daingean Rd, Cappincur, Tullamore, Co. Offaly - L2952	Ireland

Mount Dillon

Decommissioning and Rehabilitation Bog Rehabilitation Progress Report 2018.

Within the Mount Dillon licensed area (P0504-01) there were two entire bog units available for rehabilitation in 2018 – Corlea and Clonwhealan. Ongoing monitoring of cutaway areas was carried out within the Mount Dillon area with Granaghan and Derraghan having been resurveyed in 2018. In addition, baseline ecology surveys were also undertaken at Mostrim and Clynan bogs to inform the Bord na Móna raised bog restoration work programme. Both of these sites constitute large sections of remnant high bog and were re-surveyed in 2018.

Draft rehabilitation plans for the Mount Dillon bogs licensed area, including more detailed draft plans for each component bog unit were submitted to the EPA in 2013 and these were reviewed and updated in 2015 and 2017.

Active rehabilitation work was carried out within Corlea (135ha) and Clonwhealan Bog (65ha) as part of the long-term rehabilitation of these sites. Intensive drain-blocking and re-wetting was carried out in bog remnants and deep peat bog areas. An amenity walkway has also been constructed at Corlea Bog in an area of rehabilitated cutaway now leased to the local community. This was a joint project between Bord na Móna and Longford County Council.

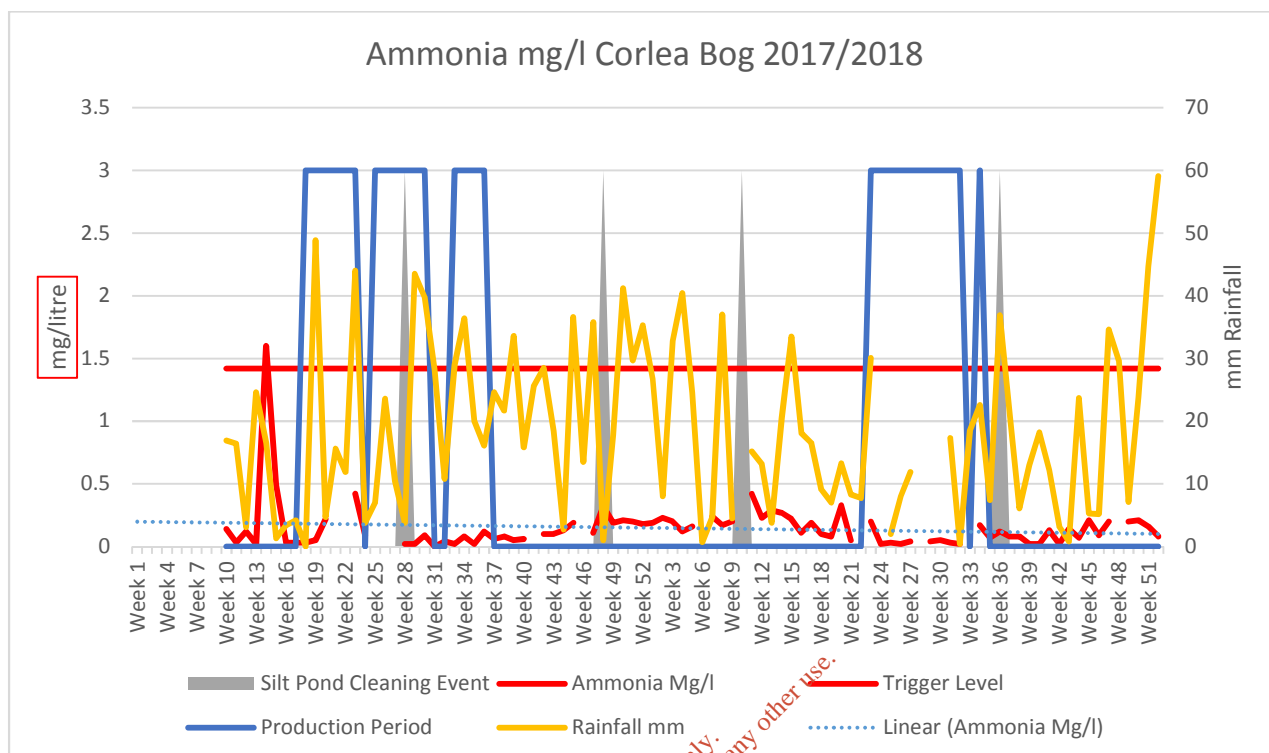
The new Biodiversity Action Plan (2016-2021) was launched in 2016 with the annual Biodiversity Action Plan review day being held in May 2018, this included an update on progress of this plan, bog restoration and cutaway rehabilitation for a wide range on statutory and non-statutory consultees including members of the EPA, NPWS, BWI, Bord na Mona, Coillte, Inland Fisheries Ireland, An Taisce, IPCC, Irish Red Grouse Association, Irish Wildlife Trust, NARGC, local game councils, Midland Regional Planning Authority as well as a range of local community groups and Heritage Officers from counties Laois, Offaly, Kildare, Roscommon, Longford, Meath, Galway, Westmeath and Dublin.

A copy of our Biodiversity Action Plan is available to view and download at <http://www.bordnamona.ie/our-company/biodiversity/>

As required by condition *10.2 Cutaway Bog Rehabilitation Plans*, draft peatland rehabilitation plans for all the individual bog units were submitted to the agency in 2013, reviewed and amended in 2015 and re-submitted to the agency in 2015. All draft rehabilitation plans have been reviewed in 2017. These reviewed and amended plans will be re-submitted to the agency in due course.

Organic certification was sought for the majority of the Bord na Móna property with the aim of using some areas for the cultivation of plants for use in herbal medicine, this project is ongoing.

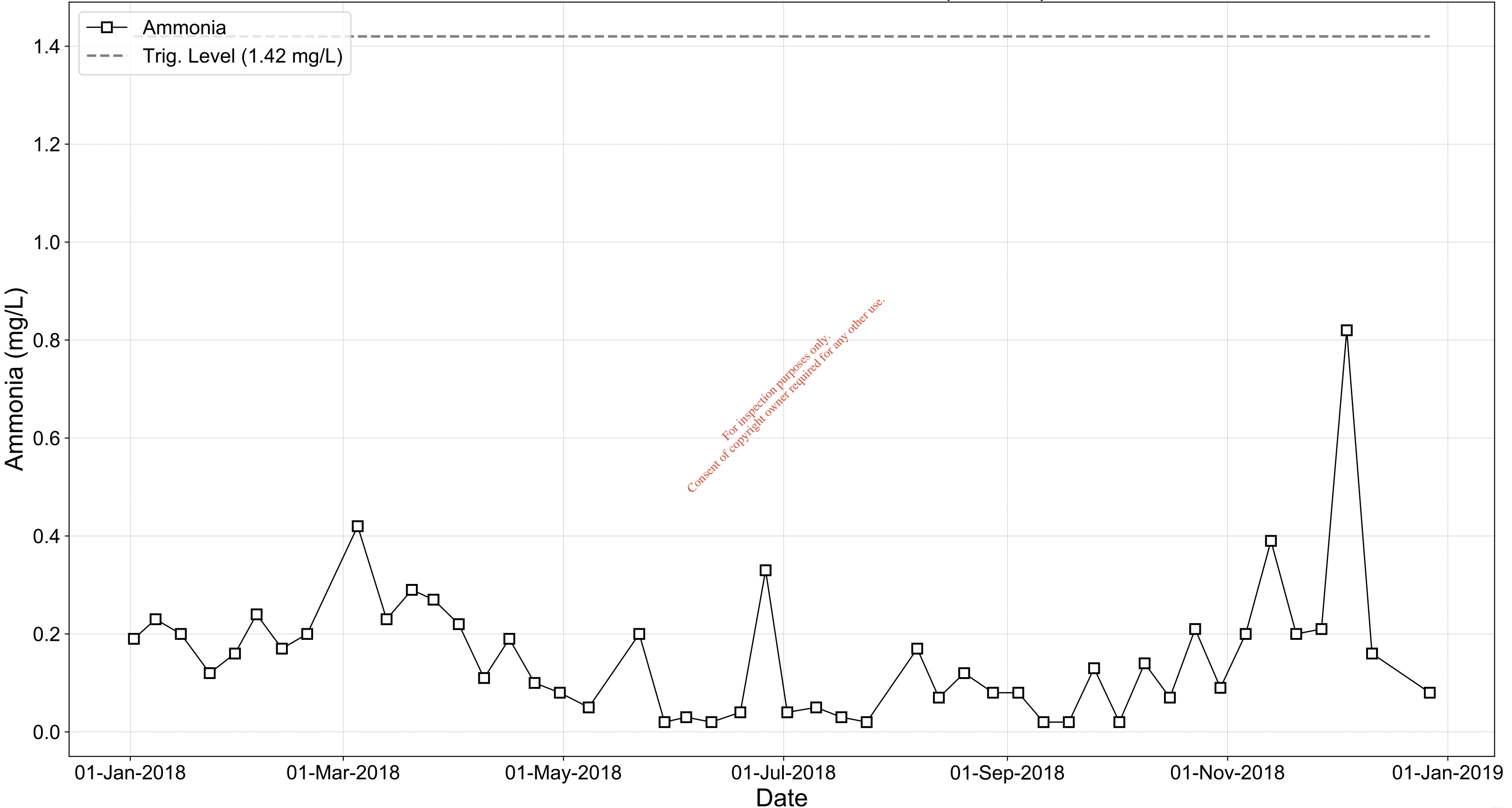
IPPC Licence P0504-01 Quarterley Grab Sampling												
X	Y	Bog	SW	Monitoring	Sampled	pH	SS	TS	Ammonia	TP	COD	Colour
203231.82	282838.72	Derrymoylin	SW-1	Q1 18	09/03/2018	7.5	5	374	0.28	0.05	44	91
203249.23	283476.42	Derrymoylin	SW-2	Q1 18	09/03/2018	7.6	5	163	2.1	0.05	17	63
202651.77	284748.83	Derrymoylin	SW-3	Q1 18	09/03/2018	7.8	5	232	0.5	0.05	46	121
203369.33	285381.69	Derrymoylin	SW-4	Q1 18	09/03/2018	7.6	5	150	0.28	0.05	51	196
203500.28	285433.11	Derrymoylin	SW-5	Q1 18	09/03/2018	7.9	5	310	0.28	0.05	40	119
201425.36	279968.71	Cloonshannagh	SW-6	Q1 18	09/03/2018	7.9	5	286	0.23	0.09	38	124
202255.50	279742.53	Cloonshannagh	SW-7	Q1 18	20/03/2018	6.2	36	100	0.61	0.05	99	124
202994.69	279668.44	Cloonshannagh	SW-8	Q1 18	20/03/2018	7.8	5	420	0.05	0.05	52	112
204893.25	280860.61	Cloonshannagh	SW-10	Q1 18	20/03/2018	7.7	5	330	0.36	0.05	40	82
202604.45	281233.03	Cloonshannagh	SW-11	Q1 18	20/03/2018	7.9	5	478	0.3	0.05	40	100
202802.57	282212.51	Cloonshannagh	SW-11A	Q1 18	20/03/2018	7.9	5	464	0.25	0.05	65	133
201386.06	280466.96	Cloonshannagh	SW-12	Q1 18	20/03/2018	7.9	5	401	0.25	0.07	63	164
204457.50	279959.37	Cloonshannagh	SW-9	Q2 18	30/04/2018	7.7	5	332	0.35	0.05	28	286
204693.18	280062.24	Cloonshannagh	SW-9A	Q2 18	30/04/2018	8	5	296	0.17	0.05	49	334
203087.79	277486.67	Derrycashel	SW-13	Q2 18	30/04/2018	8	5	380	0.11	0.05	53	198
202836.32	277415.17	Derrycashel	SW-14	Q2 18	30/04/2018	7.6	5	206	0.06	0.05	58	423
202442.72	277238.02	Derrycashel	SW-15	Q2 18	02/05/2018	8.2	5	392	0.08	0.05	53	99
201764.79	277022.51	Derrycashel	SW-16	Q2 18	02/05/2018	7.7	5	258	0.63	0.05	107	283
201541.73	272805.72	Mountdillon	SW-17	Q2 18	02/05/2018	7.4	5	264	0.24	0.74	118	310
201616.81	273699.66	Mountdillon	SW-17A	Q2 18	02/05/2018	7.7	5	263	0.19	0.07	117	314
199917.99	273798.51	Mountdillon	SW-18B	Q2 18	02/05/2018	7.8	5	294	0.55	0.05	43	129
198682.39	271189.62	Cloontuskert	SW-27	Q2 18	02/05/2018	8.1	5	314	0.27	0.06	52	126
197846.35	270246.30	Moher	SW-31	Q2 18	02/05/2018	7.7	5	220	0.21	0.05	61	231
197403.85	270894.69	Moher	SW-32	Q2 18	No Flow	NF	NF	NF	NF	NF	NF	NF
TBC	TBC	Mostrim	SW-120	Q2 18	05/04/2018	Lab error	5	92	0.57	0.05	56	301
TBC	TBC	Mostrim	SW-121	Q2 18	05/04/2018	Lab error	5	73	0.52	0.05	59	171
TBC	TBC	Mostrim	SW-115	Q2-18	05/04/2018	Lab error	5	72	0.69	0.05	61	181
TBC	TBC	Mostrim	SW-116	Q2-18	05/04/2018	Lab error	5	130	2.2	0.05	79	301
TBC	TBC	Mostrim	SW-117	Q2-18	05/04/2018	Lab error	5	72	0.95	0.05	65	222
TBC	TBC	Mostrim	SW118	Q2-18	05/04/2018	Lab error	5	142	0.62	0.06	73	306
TBC	TBC	Mostrim	SW-119	Q2-18	05/04/2018	Lab error	5	166	1.1	0.06	47	176
206115.80	274878.92	Knappoge	SW-49	Q3 18	09/08/2018	7.4	5	236	0.12	0.14	32	67
205061.08	275562.80	Killashee	SW-49A	Q3 18	09/08/2018	7.7	5	246	0.06	0.05	45	137
204667.95	274040.57	Knappoge	SW-50	Q3 18	09/08/2018	7.7	5	376	0.19	0.05	35	78
206887.04	274473.24	Begnagh	SW-51	Q3 18	09/08/2018	8.2	10	380	0.06	0.07	64	132
206975.29	274705.14	Begnagh	SW-52	Q3 18	09/08/2018	7.8	5	244	0.72	0.13	68	263
207813.09	274377.81	Begnagh	SW-53	Q3 18	27/08/2018	6.5	5	132	0.969	0.05	110	350
208041.06	273513.98	Begnagh	SW-54	Q3 18	27/08/2018	7.3	5	180	0.88	0.05	95	437
207856.06	273044.13	Begnagh	SW-55	Q3 18	27/08/2018	6.5	5	214	1	0.06	83	313
209203.68	273164.02	Clooneeny	SW-56	Q3 18	27/08/2018	7.5	5	330	0.43	0.06	63	346
209144.76	273279.48	Clooneeny	SW-57	Q3 18	27/08/2018	7.4	5	250	0.32	0.06	69	217
209068.65	274509.95	Clooneeny	SW-58	Q3 18	No Flow	NF	NF	NF	NF	NF	NF	NF
210209.83	274038.53	Clooneeny	SW-59	Q3 18	11/09/2018	7.5	5	332	0.12	0.08	27	72
204286.21	272640.87	Derryaroge	SW-35	Q4 18	12/11/2018	7.4	5	398	0.35	0.05	58	281
203400.35	272510.11	Derryaroge	SW-36	Q4 18	12/11/2018	7.1	5	210	0.39	0.05	77	260
202650.72	273122.31	Derryaroge	SW-37	Q4 18	12/11/2018	7.2	5	338	0.57	0.05	63	164
202502.01	272689.16	Derryaroge	SW-38	Q4 18	21/11/2018	7.6	5	490	1.1	0.05	62	96
202410.69	271393.37	Derryaroge	SW-39	Q4 18	21/11/2018	7.4	5	242	1	0.05	78	241
203095.63	273341.49	Derryaroge	SW-40	Q4 18	21/11/2018	5.7	5	286	0.77	0.05	54	173
203260.27	271785.26	Derryaroge	SW-41	Q4 18	21/11/2018	7	5	364	0.69	0.05	51	107
203148.87	271351.76	Derryaroge	SDW-41A	Q4 18	21/11/2018	0.05	12	410	1.5	0.05	77	157
202357.87	272474.81	Derryaroge	SW-42	Q4 18	04/12/2018	7.2	5	240	0.11	0.05	91	281
203187.11	271923.18	Derryaroge	SW-43	Q4 18	04/12/2018	7.6	5	425	0.1	0.05	79	157
202284.33	271432.46	Cloonbony	SW-44	Q4 18	04/12/2018	7.4	5	390	1	0.05	47	114
202116.64	271257.33	Cloonbony	SW-45	Q4 18	No Flow	NF	NF	NF	NF	NF	NF	NF
202183.21	271461.75	Cloonbony	SW-46	Q4 18	No Flow	NF	NF	NF	NF	NF	NF	NF
202000.58	272467.09	Derryaroge	SW-47	Q4 18	No Flow	NF	NF	NF	NF	NF	NF	NF



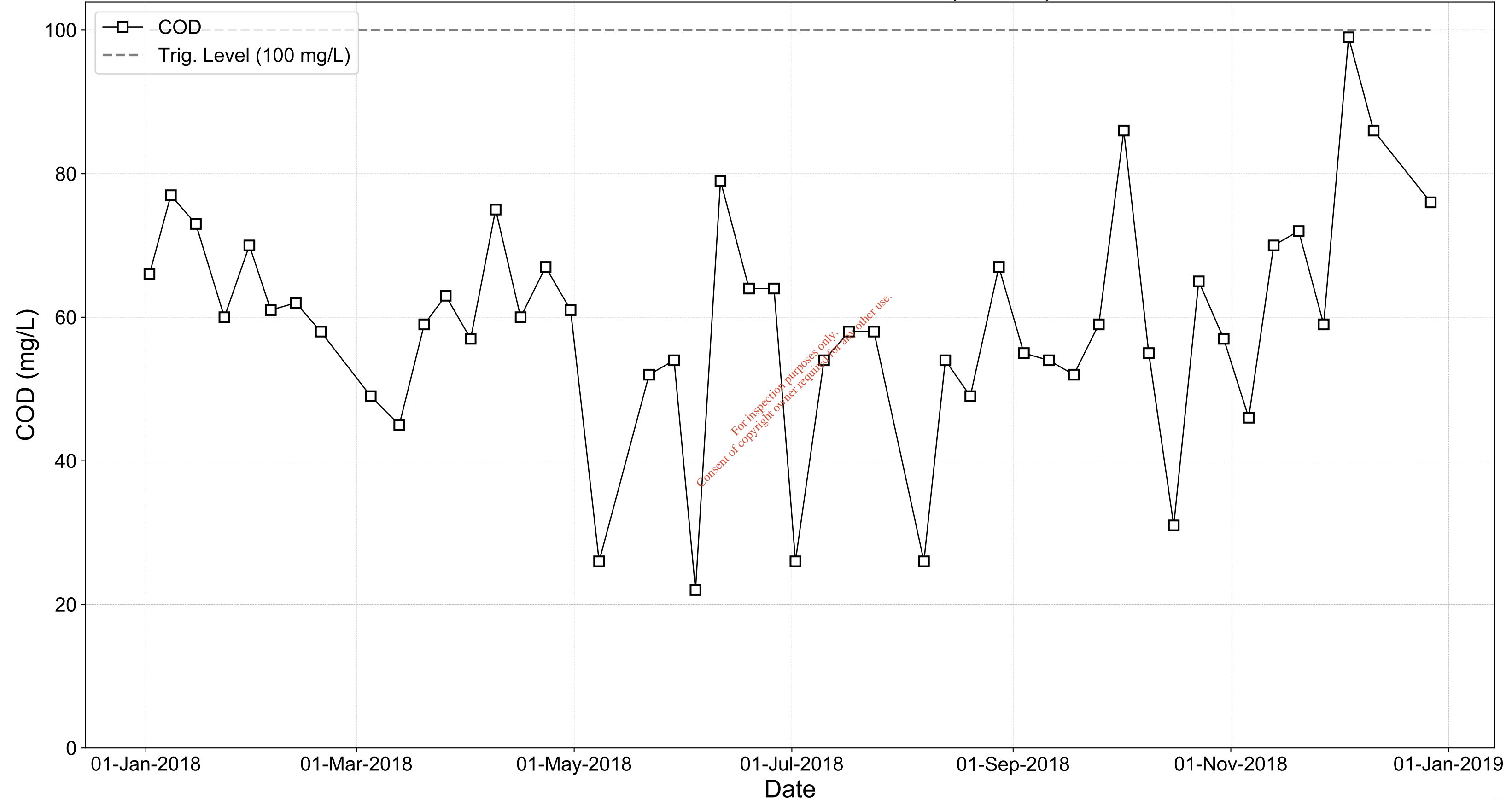
Corlea bog is an active production bog with the composite sampler relocated to this bog in March 2017 and it remains at this location for the reporting period. The composite sampler takes a flow proportional composite sample over a 24-hour period. This location returned 46 weekly ammonia results during the 2018 period, which is a return of 88%. The balance of weeks where no sample was returned was during periods when there was no summer discharge, water was backed up in the Winter/Spring seasons or for technical issues. The ammonia trigger level of 1.42mg/l, as agreed with the Agency, was not exceeded during the reporting period. Overall the results are maintaining a downward trend as peat extraction continues, and this is in-line with the downwards trends submitted to the EPA in 2013 as required by condition 6.14. It has been established that the most relevant influencing variable on Ammonia is rainfall and the trend analysis above indicates linkage between rainfall and ammonia concentrations.

The sampler at this location may be relocated to fill any information gaps on other peatland catchments and to reflect the need to support the information gathering required for the Water Framework Directive's River Basin Management Plan. There is also an EPA lead research project commencing in 2019, called the SWAMP project, whose aims are to appraise and understand the nutrient impact from peatlands, to evaluate treatment technologies and to propose predictive tools for watershed management.

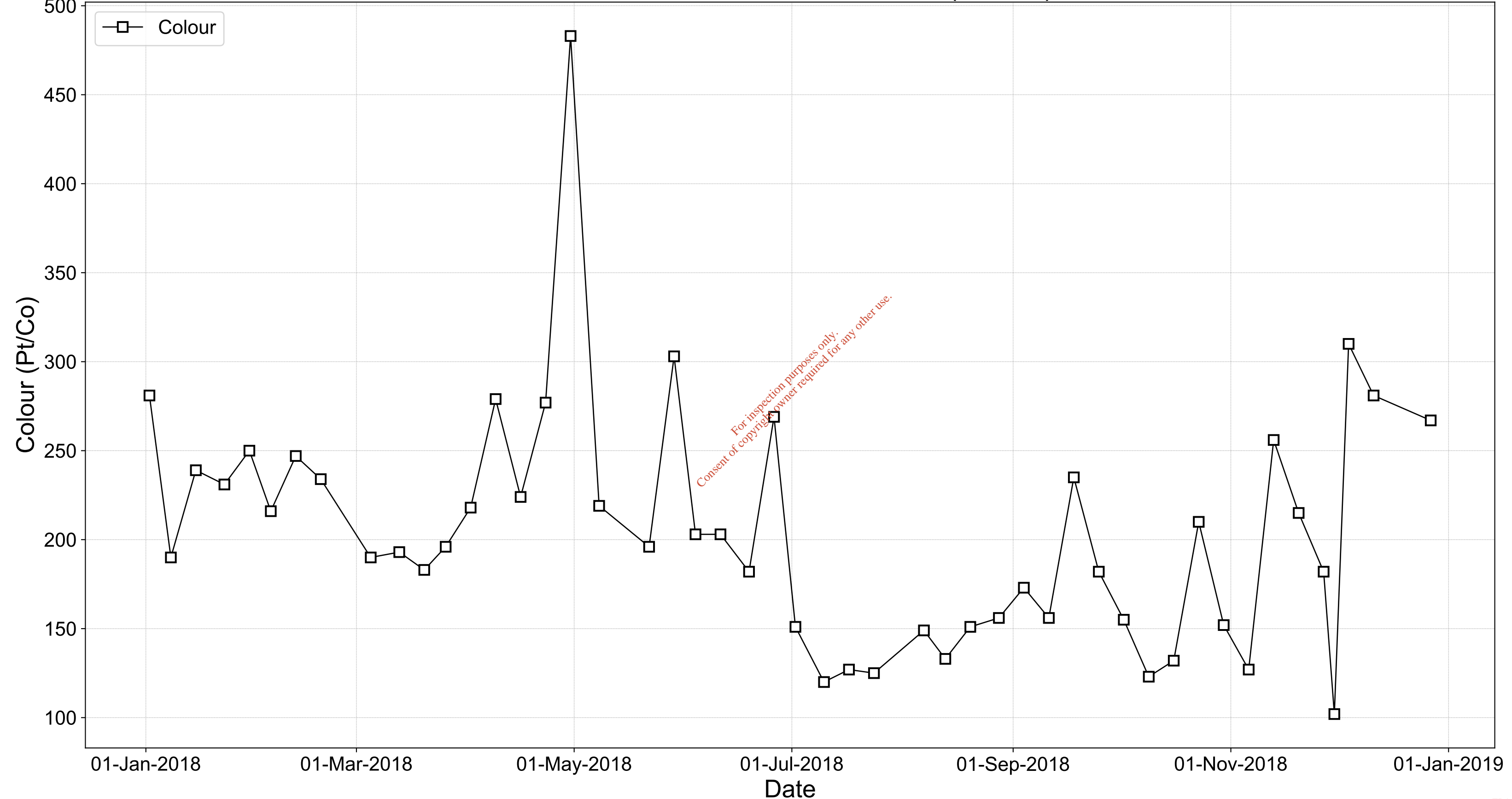
Mountdillon P0504-01 - SW77A (Corlea)



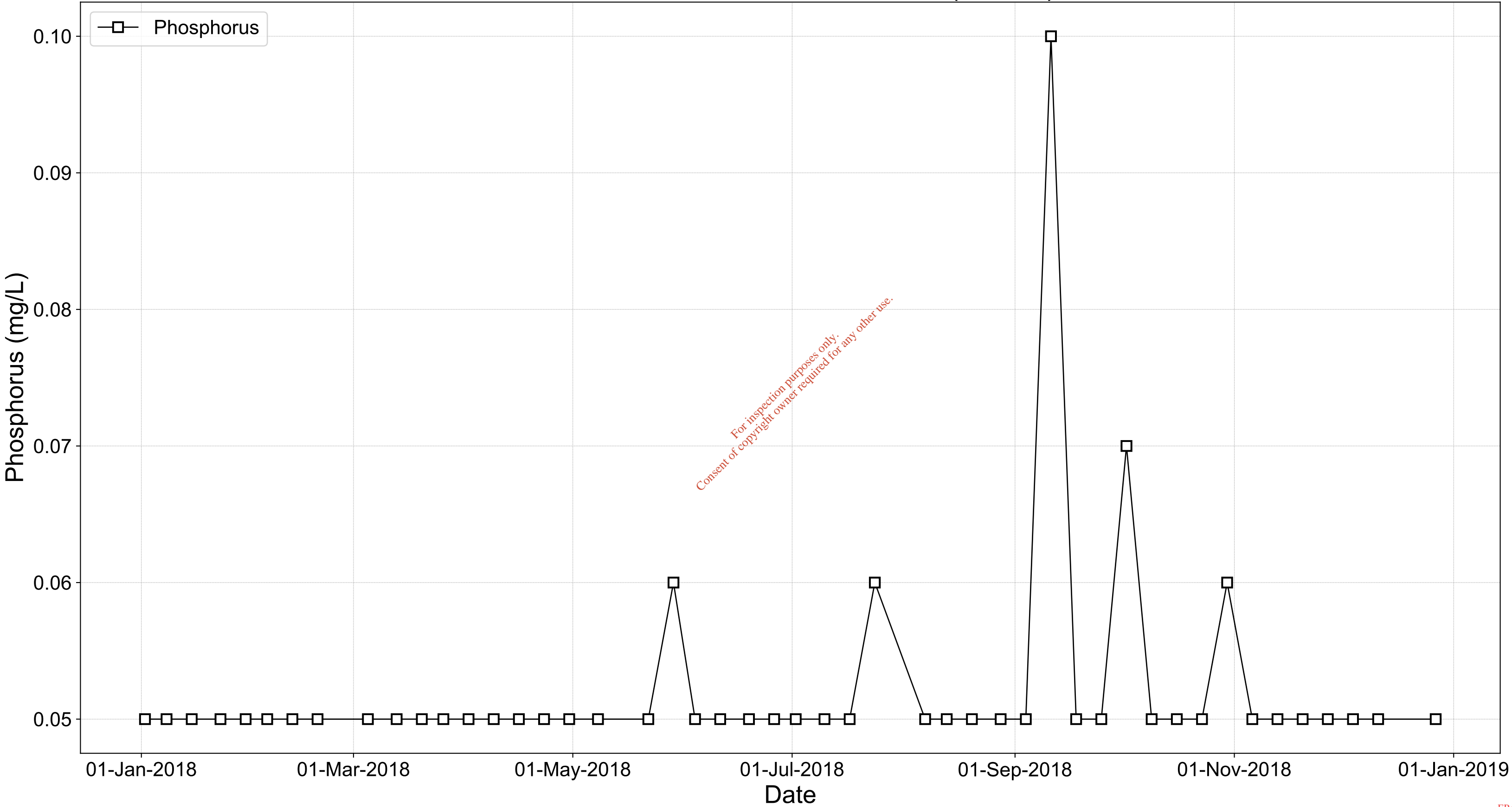
Mountdillon P0504-01 - SW77A (Corlea)



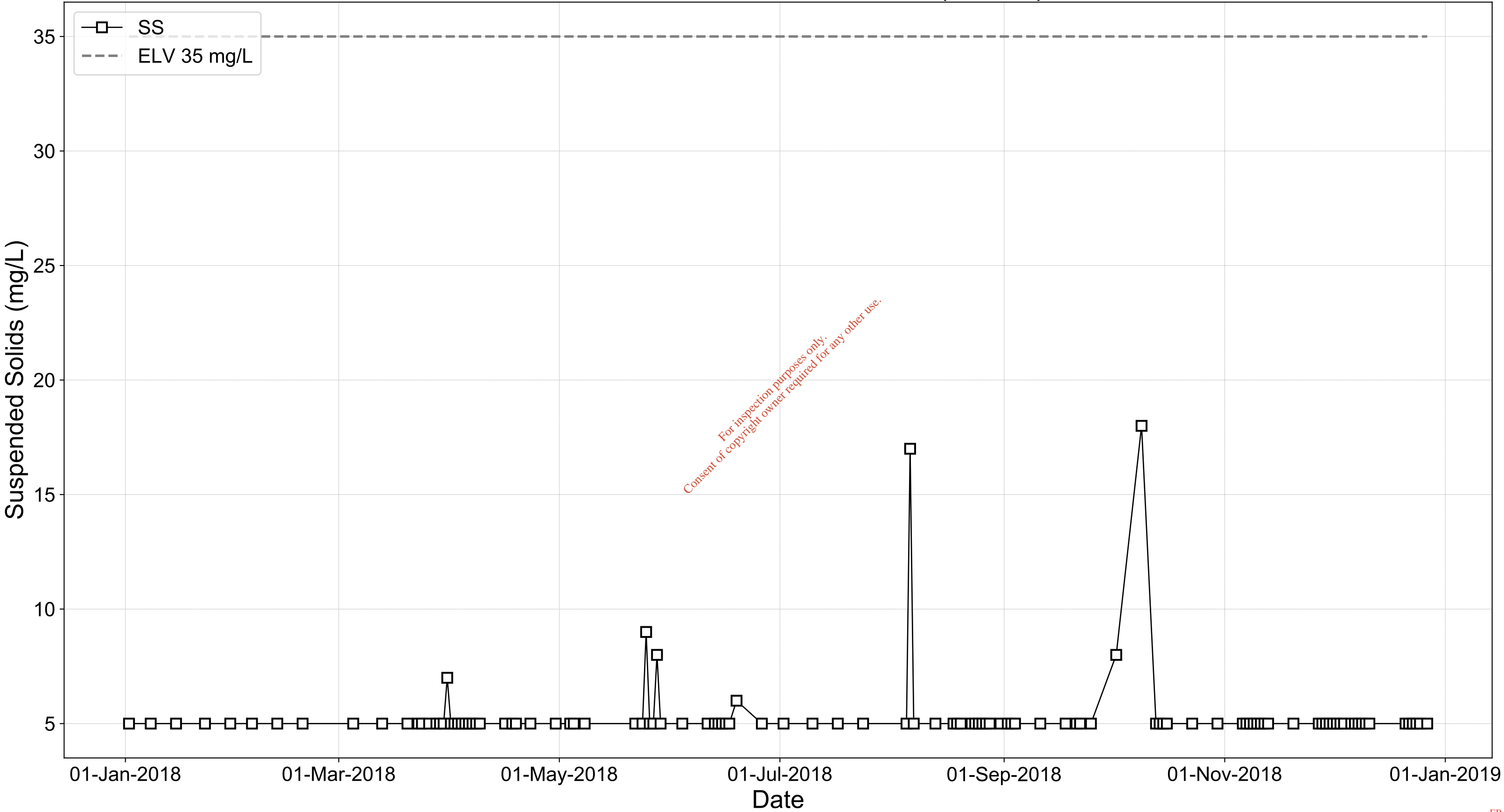
Mountdillon P0504-01 - SW77A (Corlea)



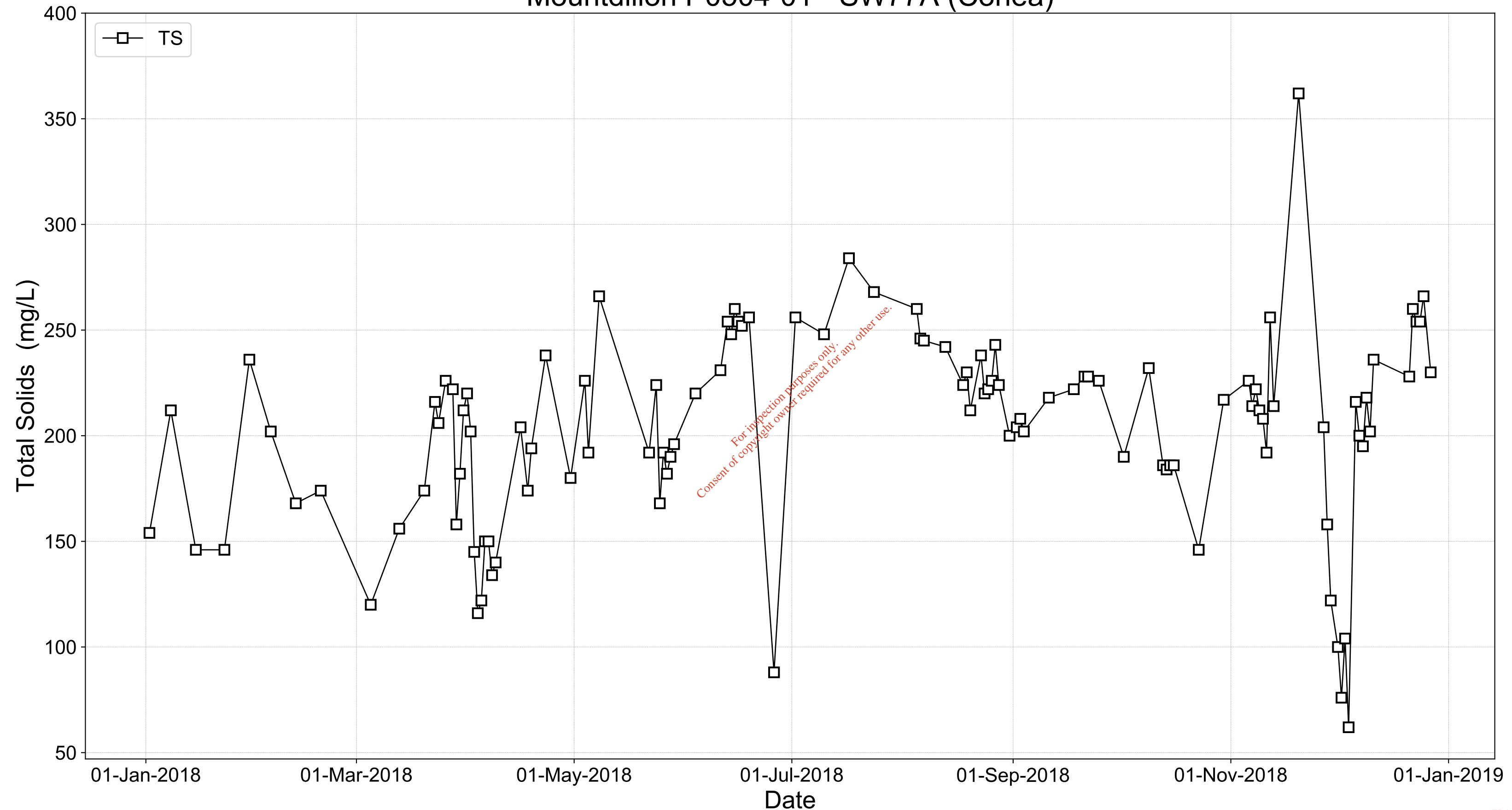
Mountdillon P0504-01 - SW77A (Corlea)



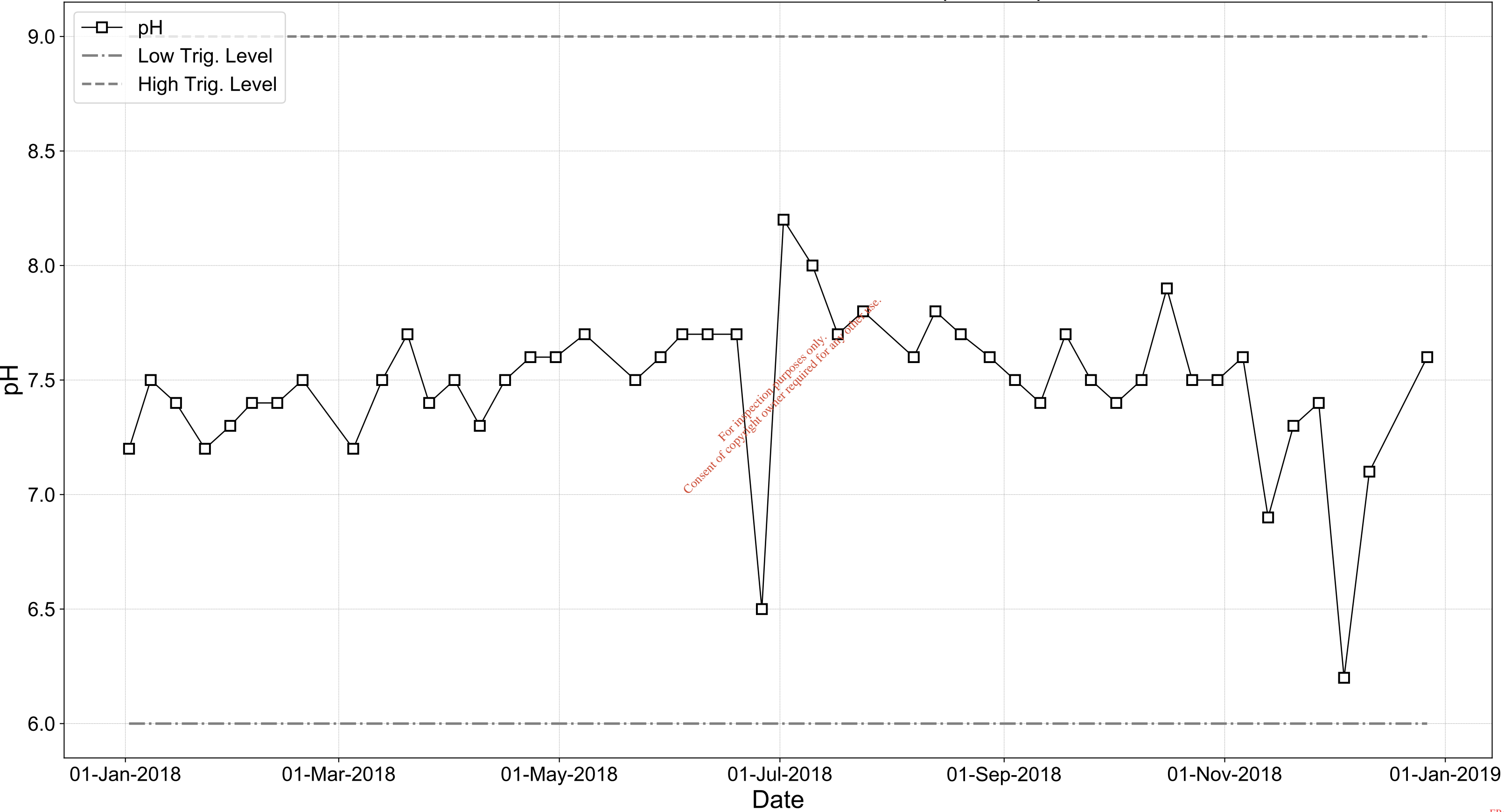
Mountdillon P0504-01 - SW77A (Corlea)



Mountdillon P0504-01 - SW77A (Corlea)



Mountdillon P0504-01 - SW77A (Corlea)



Yard Discharge Results 2018

Licence: P0504-01

Works: Mt Dillon

Month	W/Shop SWE 1 COD	W/Shop SWE 2 COD	Yard SWE 1 COD	Yard SWE 2 COD	C na Gun SWE1 COD	P Station SWE 1 COD
Jan	64	43	12	28	NF	NF
Feb	66	42	NF	10	NF	NF
Mar	49	29	NF	14	NF	NF
Apr	70	54	NF	NF	61	NF
May	NF	NF	NF	NF	NF	NF
June	68	46	11	10	NF	NF
July	NF	NF	NF	NF	NF	NF
Aug	44	70	NF	NF	NF	NF
Sep	49	40	NF	NF	17	NF
Oct	NF	NF	NF	NF	NF	NF
Nov	75	65	NF	NF	NF	NF
Dec	NF	NF	NF	NF	NF	NF
Total						

Note: NF denotes no flow at emission point on day of sampling

Extractive Waste Management Plan Implementation AER Update.

March 2019.

IPC Licence P0504-01.

1.0 Extractive Wastes.

Waste classified as extractive waste from peat extraction operations arise from three operations associated with this activity.

- Silt Pond excavations and maintenance
- Power Station Screenings
- Bog Timbers

There has been no change to the type and nature of these three waste streams and no new waste streams added to this list. These wastes streams continue to be stored and maintained at between 1 and 3 metres in height.

2.0 Condition 7.5 Extractive Waste Management

- An extractive waste management plan (EWMP) was submitted to the Agency in September 2012 and was approved.
- The EWMP was reviewed in September 2017. There were no substantial changes to the operation of the plan, associated waste facilities or to the waste deposited.

3.0 Minimisation

- The IPC Licence has various conditions that require the installation, inspections and maintenance of silt ponds for operational areas and as such these requirements dictate the need for silt ponds and associated excavation materials and cleanings.
- Peat screenings are a factor of the screening process with Lough Ree Power Ltd as these oversized bog timbers, stones and peat cannot be utilised in the power station.
- Bog timbers arise from the active production footprint and are naturally occurring. The active footprint is dictated by the peat production targets and customer supply contract and service level agreements.

4.0 Treatment

- Silt pond excavation and maintenance materials do not require any treatment and are stored as per the EWMP, adjacent to the associated silt pond.
- The factory screenings are permitted to be returned to the bog as they were naturally occurring materials from the bog, and as such do not require any treatment to serve this purpose.
- There is no treatment of bog timbers arising and these are stockpiled at various locations in associated bogs.

5.0 Recovery

- As per the EWMP, there is still no opportunity to recover these silt pond associated materials.
- Given the nature of these screenings as outlined in the EWMP, there is no further use identified, other than the permitted reuse of these natural materials in areas that required improvement for trafficking purposes.
- Bog timbers stored on the bog are natural to the peat bog and while there have been trails to recover this waste material, these have not proved viable.

6.0 Disposal

- Silt pond cleanings continue to be disposed of adjacent to the associated silt pond and will be incorporated back into the rehabilitation plans for these bogs, post production and decommissioning.
- Schedule 3 (ii) of this IPC Licence permits the disposal of peat screenings to the bog at designated locations agreed under Condition 7.4 and this continues to be the case.
- Bog timbers will continue to be stockpiled at suitable locations to be either incorporated back into the bog, as a supply of bog timbers for the crafting industry or will continue to decay naturally.

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