

MONA OFFSHORE WIND PROJECT

Outline Dust Management Plan [F01](#) [F02 \(Tracked\)](#)

[Deadline: 2](#)

[Application Reference: EN010137](#)

[Document Reference: J26.2 F02](#)

Reference Number: •MOCNS-J3303-RPS-10163

[27 August](#)~~February~~ 2024

[F04](#)[F01](#) [F02](#)



Image of an offshore wind farm

Contents

1	OUTLINE DUST MANAGEMENT PLAN	1
1.1	Introduction	1
1.1.1	Background	1
1.1.2	Purpose of the Outline Dust Management Plan	1
1.2	Role and responsibilities	2
1.2.1	Operator	2
1.2.2	Trainer and competence	2
1.3	Process description	2
1.4	Open site receptor where impact could occur	2
1.6	Routine construction phase mitigation measure	6
1.6.1	Operator	6
1.6.2	Preparation and maintenance site	6
1.6.3	Site Management	6
1.6.4	Communication	6
1.6.5	Monitoring	6
1.6.6	Operation (Construction phase)	6
1.6.7	Site management	6
1.6.8	Operation (decommissioning and utility site)	6
1.6.9	Measure specific to construction	6
1.6.10	Measure specific to track out	6
1.7	Decommissioning phase mitigation	6
1.8	Additional mitigation control measure	6
1.9	Procedure to check the dust control mitigation are effective	6
1.9.1	Monitoring	6
1.9.2	Monitoring dust content	6
1.10	Complaint action procedure	6
1.10.1	Receipt of a complaint	6
1.10.2	Complaint resolution	6
1.10.3	Response to a complaint	6
1.10.4	Notification of dust content	6
1.11	Reference	6

Tables

Table 1.1:	Dust detection sheet	1
Table 1.2:	Form for the recording of dust related complaint	1

Acronyms

Acronym	Description
CCOC	Construction Contracting and Offshore Council
CoC	Code of Construction Practice
DCC	Design and Construction Contracting Council
MOC	Marine Operations Contracting
MOC	Marine Operations Contracting

Units

Unit	Description
m	Metre

1 Outline Dust Management Plan

1.1 Introduction

1.1.1 Background

1.1.1.1 The Outline Dust Management Plan is provided in accordance to the Outline Code of Construction Practice (CoCOP) set out the decontamination measures that will be implemented during the construction phase of the Mon Offshore Wind Project.

1.1.1.2 The Outline Dust Management Plan seeks to manage potential impacts that occur from the construction of the onshore and intertidal elements of the Mon Offshore Wind Project. The elements occur in the order of Main Co after the main M and com:

- Windfarm
- Onshore Cable Corridor
- Onshore Substation
- Offshore Grid Connection Cable Corridor.

1.1.1.3 In addition to the elements of the Outline Dust Management Plan also consider the temporary construction compounds for the access and mitigation are required to support the construction of the Mon Offshore Wind Project.

1.1.1.4 The relevant planning authorities for the windfarm and the eastern section of the Onshore Cable Corridor are. Dept of Code addition County Council for the County Council the relevant planning authority for the eastern section of the Onshore Cable Corridor the Onshore Substation and the Offshore Grid Connection Cable Corridor is Denham County Council (DCC).

1.1.2 Purpose of the Outline Dust Management Plan

1.1.2.1 The draft Decontamination Consent Order (DCO) Document Reference C includes a requirement for the provision of a final CoCOP. The final CoCOP will be supported by a series of measures including a Dust Management Plan as part of the final CoCOP. The CoCOP must be submitted to and approved by the relevant planning authority prior to the commencement of onshore work.

1.1.2.2 The purpose of this Outline Dust Management Plan is to set out the decontamination dust control measures that will be required during construction of the onshore and intertidal elements of the Mon Offshore Wind Project.

1.1.2.3 This is an outline document based on the details set out in Volume 1 of the Project Description of the Environment Statement and includes measures that have been identified as part of the mitigation process.

1.1.2.4 The Outline Dust Management Plan should be read in conjunction with the Outline CoCOP Document reference J26 and its supporting appendices. Management measures relating to air emissions from construction activities are described in the Outline Traffic Plan within the Outline Construction Traffic Management Plan Document reference J26.

1.2 Scope of the Outline Dust Management Plan

1.2.1 The scope of the Outline Dust Management Plan applies to the onshore site preparation work and construction activities of the MonA Offshore Wind Project located onshore of MonA. The plan does not apply to activities associated with offshore operations. Record of MonA

1.2.2 Onshore site preparation work shall be undertaken prior to the commencement of construction. The work shall comprise the following:

- Site clearance include vegetation clearance
- Demolition
- Grading and/or land clearing work
- Excavation and foundation
- Environment survey
- Contamination
- Investigation for the purpose of assessing ground condition
- Remediation work in respect of any contamination or other adverse ground condition
- The diversion and storage of utilities and services
- Site security work
- The erection of any temporary means of enclosure
- The erection of any temporary road lighting
- The erection of safety fencing
- Creation of site access
- Temporary removal of site notices or advertisement

1.2.3 The onshore site preparation work listed in section 1.2.2 shall be carried out in accordance with the measures set out in the Outline Dust Management Plan as part of the CoC and secured as a requirement in a certified through the DCO.

1.2.4 The final Dust Management Plan shall be in accordance with the principles set out in the Outline Dust Management Plan and shall be agreed with the relevant authority prior to commencement of construction of the relevant phase of the onshore and intertidal or subtidal MonA. For the purpose of this plan the term construction includes remediated engineering construction and restoration activities as outlined in the DCO within the Order limit.

1.3 Roles and responsibilities

1.3.1 Overview

1.3.1.1 The key roles and associated responsibilities set out in the Outline Dust Management Plan are set out below. The Construction Design and Management Regulations 2007 shall identify the respective responsibilities and obligations of the major roles within the construction team.

MONA OFFSHORE WIND PROJECT

1.1.2 The responsibilities of each role shall be refined as necessary in the final Duty Management Plan.

Applicant

1.1.3 The applicant shall be responsible for the following:

- Ensure that the Duty Management Plan is implemented effectively
- Provide necessary direction to contractors for effective setting contractual obligations
- Re-evaluate and refine the Duty Management Plan where necessary in conjunction with the Principal Contractor.

Principal Contractor

1.1.4 The Principal Contractor shall be appointed as the applicant and shall be overall responsible for:

- Identify and determine the final Duty Management Plan on behalf of the applicant
- Ensure procedures in the Duty Management Plan are followed
- Ensure all contractors are suitably qualified and experienced in implementing the measures within the Duty Management Plan
- Maintain records relevant to the Duty Management Plan.

Contractors/Sub contractors

1.1.5 Contractors and sub-contractors shall be required to understand their responsibilities and implement the measures within the Duty Management Plan e.g. to ensure that they are switched off after use and at the end of the working shift.

1.3.2 Training and competence

1.3.2.1 All construction staff shall receive training as part of the site induction on the importance of managing duty from the construction work area. Training shall include the control measures within the Duty Management Plan and the reporting procedures for duty incidents. Specific training e.g. toolbox talks shall be given for those staff involved in duty generation construction activities and for those staff undertaking duty monitoring. All staff shall be made aware of their compliance to the Duty Management Plan.

1.3.2.2 Staff responsible for the operation/maintenance or repair of duty suppression systems shall be trained and competent and documented upon training records.

1.3.2.3 All sub-contractors working on site shall be made aware of the Outline Duty Management Plan and shall be expected to comply with it at all times.

1.3.2.4 A list of approved repair contractors shall be kept in the site office and relevant site operatives shall be made aware of the existence and the location of the list. Where appropriate, competent persons shall be kept on site.

1.4 Process description

1.4.1.1 The following table of activities during construction of the Mona Offshore Wind Project could result in fugitive dust emissions:

- Earthworks
- Handling and disposal of soil
- Windblown particulate matter from storage
- Handling of loose construction materials
- Movement of vehicles on and off site trackout

1.4.1.2 The expected distribution of construction dust emissions is estimated according to factors such as the type of dust, duration and location of dust-generating activities, weather conditions and the effectiveness of dust suppression methods.

1.4.1.3 The main effect of any dust emissions if not mitigated could be annoyance due to coating of surfaces, dirt on roads and windows and reduced visibility. Normal compliance with the implementation of proper control and good practice methods, i.e. the methods described in this report to ensure that dust deposition does not give rise to significant adverse effects, should ensure that no adverse effects occur, e.g. due to technical failure or exceptional weather conditions.

1.5 Sensitive receptors where impacts could occur

1.5.1.1 The location of sensitive receptors where impacts could occur are identified in Volume 1 Chapter 11: An Audit of the Environment Statement and include receptors within 500m of the construction activities.

1.6 Routine construction phase mitigation measures

1.6.1 Overview

1.6.1.1 The mitigation measures outlined in this document are based on the generally recommended measures for site and medium duration activities detailed in the Institute of Air Quality Management (IAQM) Guidance on the Assessment of Dust from Demolition and Construction (IAQM 2020).

1.6.1.2 Site-specific mitigation measures are divided into the following general measures which relate to all site measures specific to earthworks construction and the movement of dust and dirt from a construction site onto the public road network referred to as trackout.

1.6.2 Preparing and maintaining the site

1.6.2.1 The following site preparation and maintenance measures should be ordered to trackout the construction site:

- An site layout map of the proposed site on site to that m/corner and dust control activities are located away from receptors for as long as possible
- Road screens or barriers should be erected around dust activities and fully enclosed where there is a high potential for the production of dust
- Use site fencing barriers and chaffed in chain up and set method

MONA OFFSHORE WIND PROJECT

- Remove material that could be potent to produce dust from site soon as possible unless it is required on site. If it is required on site cover or decried as to
- Where possible be stored for over 6 months if it is covered to minimise erosion or allowed to re-settle naturally
- Cover seed or fence to protect and prevent wind erosion where practicable. Seeding of topsoil and subsoil could be runoff of water or mud.

1.6.3 Site Management

The following site management measures shall be ordered to throughout the construction phase:

- Record dust and air quality components identified cause of the measure to reduce emissions in time manner and record the measure taken
- Record noise vibration incident that cause dust and/or emissions either on or off site and the action taken to reduce the situation in the short term
- Make the component of compliance to CCOC and DCC when needed.
- Hold regular liaison meetings with other nearby construction site to inform all of the site boundry to ensure that all are coordinated and dust and particulate matter emissions are minimised. This should include understanding the interaction of the offsite transport of debris to avoid impact the same traffic road network route.

1.6.4 Communications

The following communication measures shall be ordered to throughout the construction phase:

- Display the project name number on the site boundry
- Display the public liaison Officer contact information on the site boundry
- Display the lead or liaison office contact information.
- Communication of the local authority order should be undertaken prior to and during construction prior commencement as outlined in the Outline Communication Plan Document reference J26.00 and contact details should be displayed on the site boundry for reporting air quality and dust issues.

1.6.5 Monitoring

The following monitoring measures shall be ordered to throughout the construction phase:

- Undertake dust on site and offsite inspection where receptors including road are near to monitor dust record inspection results and make the data available to the local authority when needed. This should include regular dust count checks of surface dust on street furniture cars and windoils and other items 50m of site boundry to ensure to be recorded if necessary

MONA OFFSHORE WIND PROJECT

- Carry out regular site inspections to monitor compliance of the Dust Management plan record inspection results and make an inspection report available to CC&C and DCC when needed
- Increase the frequency of site inspections of the person accountable for air quality and dust issues on site when activities of a high potential to produce dust are being carried out and during prolonged dry or windy conditions
- Free dust deposition dust fall or real time PM₁₀ continuous monitoring locations of CC&C and DCC.

1.6.6 Operations (Construction Phase)

1.6.6.1 The following operation measures shall be ordered to throughout the construction phase:

- On all use cutting, grinding or other equipment fitted or in conjunction of the surface dust suppression technique such as water sprays or water extraction e.g. dust-free concrete pump centric system
- Use enclosed canteen and concrete and covered storage
- Minimise drop height from concrete and other materials and use fine water sprays on such equipment wherever appropriate
- Ensure an adequate water supply on site for effective dust suppression matter suppression mitigation and non-motorised water where possible and appropriate
- Ensure equipment is regularly cleaned on site to clean and dry concrete and clean up concrete as soon as possible after the event using wet cleaning method
- Ensure that enclosed canteen and concrete and covered storage are used during the construction phase.

1.6.7 Waste management

1.6.7.1 The following waste management measures shall be ordered to throughout the construction phase:

- No burning or burning of waste materials

1.6.8 Operating vehicle/machinery and sustainable travel

1.6.8.1 The following measures shall do to reduce road traffic operation machinery and travel:

- Ensure appropriate traffic off engine when stationary and no idling practice
- Avoid the use of diesel or petrol powered generator and use mainly electric or other powered equipment where practicable
- Ensure the vehicle fleet for construction activities are of low emission category where possible
- Reduce construction traffic to minimise the carbon footprint of food and materials

MONA OFFSHORE WIND PROJECT

- Incoke and incoit of maximum speed limit of 30 mph on surfaced and 30 mph on unsurfaced roads and for fire off on routes are required to be increased to the additional control measure provided in accordance of the Construction Method Statement
- Implement a trace plan that support and encourage a safe trace

1.6.9 Measures specific to construction

1.6.9.1 Measure that will be implemented that are specific to construction are the following:

- Good condition of concrete surface of concrete
- Inure and other materials are stored in bunded areas and are not allowed to drain into the ground. It is required for a particular process to ensure that appropriate additional control measures are in place.
- Inure and cement and other fine powder materials are delivered in enclosed tinner and stored in a way that will prevent emission control system to prevent escape of material and perform during delivery. For smaller quantities of fine powder materials ensure they are sealed after use and stored appropriately to prevent dust.

1.6.10 Measures specific to trackout

1.6.10.1 Measure that will be implemented that are specific to trackout are the following:

- The intermitted dust separator on the access and roads to remove any necessary material tracked out of the site. This may require the separator to be in continuous use
- Good drainage of the area
- Inure vehicle entering and leaving the site are covered to prevent escape of material during transport
- Insect on site routes for integrity and intimate necessary return to the surface as soon as possible
- Record any insect on site and any subsequent action in a log book
- Routes to be regularly maintained down to a fine or more finer system or more after cover and regularly cleaned
- Implement a cleaning system to remove dust to avoid accumulated dust and mud prior to leaving the site where necessary
- Inure there is an adequate level of road surfaced road between the site and the site exit where the site and the exit permit
- Access route to be located at least 30m from residential properties and other sensitive areas

1.7 Decommissioning phase mitigation

1.7.1 Prior to the commencement of the decommissioning phase decommissioning will be committed to CC&C and DCC and other necessary

MONA OFFSHORE WIND PROJECT

1.1.2 The most appropriate measure that should be undertaken to mitigate air quality and dust issues are the same as during the construction phase.

1.8 Additional mitigation/control measures

1.1.1.1 Trigger levels have been defined to reduce nuisance dust effects at the nearest receptor during normal conditions.

1.1.1.2 The trigger levels identified for the site include any of the following occurring alone or in combination:

- Wind gusts are or are forecast to be capable of moderate breeze level or above – described as conditions under which dust and loose matter are readily mobilised and can be seen to move on down wind where there has been no rain for the last 24 hours or more
- Routine cleanliness inspection survey on site shows identified evidence of dust off site
- Dust complaint received
- Failure in equipment or control is identified or an abnormal/unintentional function occurs. i.e. a spillage.

1.1.1.3 The additional controls to be employed if a trigger level is exceeded are set out below:

- Increase frequency of use of the road sweeper/rotator on site and on local roads
- Temporary cessation of the activities responsible for causing the dust impact until the trigger level no longer exceeded
- Use of additional dust suppression measures such as dampening of specific surfaces
- Relocation of activities so that the distance between the source of emission and the receptor is increased.

1.1.1.4 The additional control measures listed in paragraph 1.1.1.1 shall be implemented either in full or in combination as necessary to effectively control dust emissions as evidenced by the dust and monitoring checks described in the section 1.8.

1.1.1.5 The site manager shall be responsible for implementing these risk management measures in accordance with the procedure.

1.9 Procedures to check the dust controls/mitigation are effective

1.9.1 Monitoring

1.1.1.1 The results of the inspection should be recorded in a log book. The prevailing weather conditions and the activities undertaken at the time of the inspection should also be recorded in the log book.

1.1.1.2 If any of the trigger levels in section 1.8 are exceeded and additional measures are employed the frequency of the dust monitoring rounds should increase to twice a day until such time as no dust is visible downwind of the construction or road boundary. If after two days the results of such monitoring indicate that the additional control measures are not effective the site manager should instruct appropriate operators that the operations should cease until the issue can be resolved.

1.1.1.3 An email alert should be issued to the project team in Table 1.1.

MONA OFFSHORE WIND PROJECT

Table 1.1: Daily dust inspection sheet

Dust Inspections sheet			Date		
Time of test					
Location of test e.g. street name etc					
Weather condition direction of wind etc					
Temperature wind speed or direction					
Wind direction e.g. from					
Duration of test					
Constant or intermittent in time period or persistence					
Receptor identified					
Other comment or observation					

1.9.2 Monitoring dust complaints

1.9.2.1 Complaints received during the construction process should be recorded in accordance with the procedure in section 1.9.2. Complaints are an important indicator of community dissatisfaction and provide a useful form of monitoring. It is important to bear in mind that complaints are only a symptom of annoyance or nuisance rather than a direct cause. Complaint records are not an exact indicator of dust annoyance or nuisance. It is therefore essential to collect and maintain records of

MONA OFFSHORE WIND PROJECT

complaint record on important method of indicating the effectiveness or otherwise of measures implemented to reduce nuisance due to dust.

1.10.2.2 The site manager shall implement a system of complaint monitoring and notification. Complaints shall be collected, recorded and identified as described in Section 1.10 of the Dust Management Plan. The record of complaints received at the end of each calendar quarter shall be reviewed to identify:

- Trends in terms of the subject/cause or origin of complaints
- Specific areas/locations that could give rise to other locations

1.10.2.3 Any action deemed necessary because of the information identified and discussed in order to programme a course of corrective action.

1.10 Complaints action procedure

1.10.1 Receipt of a complaint

1.10.1.1 If any complaint is made by a member of the public about any matter associated with the construction or operation of the project, the complainant shall be notified in writing to CCAC or DCC no later than the next working day after the complaint is received. This written notification shall normally be in the form of an email. The notification shall include a description of the complaint, the name and address of the person making the complaint if possible and the action proposed as a result. Depending on the nature of the complaint, it may not be possible to resolve the matter within the short time frame. In such cases, an indication shall be given that further investigation may be necessary.

1.10.1.2 Once a complaint has been received, the complaint details shall be recorded.

1.10.2 Complaint registration

1.10.2.1 A record of all complaints received shall be maintained. In the event that a complaint is received, the following potential dust nuisance from the construction site:

- The complaint shall be fed into a registration system
- Complaints data should be recorded in a systematic and consistent manner on a site standard dust descriptor, its wind direction and its site or project file.

1.10.2.2 A standardised form shall be used for recording this information and entering it into the registration system as per 1.10.2.

MONA OFFSHORE WIND PROJECT

Table 1.2: Form for the recording of dust-related complaint

Dust Complaint Report Form		Sheet 1 of 1	
Date:		Time:	
Name and address of complainant:			
Telephone of complainant:			
Time and date of complaint:			
Date, time and duration of offending dust:			
Location of dust if not at source address:			
Weather conditions, e.g. direction, force, etc.			
Wind direction, speed, gusts, etc. or use of effort etc.:			
Wind direction:			
Complainant's description of dust, e.g. colour, etc.			
Other comment or other comment about the dust			
Are there any other complaints related to the installation or to this location either previously or related to the same episode?			
Other relevant information:			
On the date and time the dust occurred:			
Other conditions at time nuisance dust occurred identified.			
Action taken:			
Form completed by		Checked	

1.10.3 Responding to a complaint

1.10.3.1 For an appropriate measure and complaint submitted by email or by letter on acknowledgement and information of the complainant by telephone or by email within our provided contact telephone or email contact details shall be given upon the complaint. The site manager shall respond as rapidly as possible to the complaint to maximize the opportunity for identifying the source of the nuisance dust. Where possible the site manager or an appropriate representative of the site manager shall inspect the nuisance dust location referred to in the complaint.

1.10.3.2 Where complaints cannot be resolved on first contact and further investigation are required a written response shall be made within a period of 10 working days of submission of the complaint. The complaint shall be followed up in the case and a copy of the response shall be provided.

1.10.3.3 The primary reasons for further investigation of complaints are to assess potential nuisance and identify the measure and source of the dust so that nuisance can be reduced or stopped. In the case of further investigation the site manager shall communicate to the complainant the course of action to be taken. In summary the response shall include:

- The reason for the nuisance dust event
- The measure duration of the nuisance dust event
- What steps will be taken to end the nuisance dust event
- What preventative steps will be implemented to prevent recurrence
- What reference procedure the affected party can take.

1.10.4 Investigation of dust complaints

1.10.4.1 The site manager shall investigate the complaint and provide a response. The response shall be by letter or email or if preferred by telephone call.

1.10.4.2 The investigation shall aim to capture evidence to establish whether the nuisance dust identified is attributable to the construction activities. If the source of the nuisance dust is deemed to be the construction activities the information recorded shall be used to identify if there shall be a failure in the existing mitigation measures or the need for a new mitigation measure. If a new mitigation measure is required the site manager shall update the Dust Management Plan.

1.11 References

1.11.1 M 2020 guidance on the assessment of dust from demolition and construction. Available at: <http://www.co.uk/guidance> accessed: October 2020.