

REVISION	DATE	AMENDMENT SUMMARY	REVIEWER	APPROVER
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DUST MANAGEMENT PLAN (DMSB)

PLN-AUS-HSSEQ-029

SCOPE

ASCO are committed to ensuring Air Quality is maintained and monitored during all operations within the Darwin Marine Supply Base, air quality will be continually monitored and controls put in place and monitored to ensure all Air Quality issues can be appropriately monitored and communicated to adjacent land users. The Purpose of the ASCO Dust Management Plan is to provide best management strategies for dust control and provide an approved monitoring program, identify key issues and areas of concern and implement appropriate controls.

PURPOSE

The purpose of this Dust Management Plan is to set out ASCO Australia requirements for the suppression and monitoring of Dust in and around the DMSB facility to minimise the below.

- Minimal dust nuisance for adjacent land users
- Minimal dust complaints during activities
- Minimal dust clouds on adjacent roads
- No health & safety impacts on workers
- Minimal impacts on plant health.

REFERENCE DOCUMENTS

DOCUMENT TITLE	INTERNAL/EXTERNAL
Environmental Aspects Impacts Register	Internal
Environmental Review	Internal
Environmental Assessment Act	External
Environmental Protection and Biodiversity Conservation Act	External
Managing Work Environment and Facilities Codes of Practice	External
Public and Environmental Health Act	External
Waste Management and Pollution Control Act	External
Work Health and Safety Regulations and Act	External

DUST MANAGEMENT PLAN (DMSB)

PLN-AUS-HSSEQ-029

ABBREVIATIONS

ABBREVIATION	MEANING
AIMS	ASCO Integrated Management Systems
Dust	Fine, dry powder consisting of tiny particles of earth or waste matter lying on the ground or on surfaces or carried in the air
DMSB	Darwin Marine Supply Base
DP	Darwin Port

ROLES & RESPONSIBILITIES

ROLE	RESPONSIBILITIES
Marine Supply Base Manager	To oversee the implementation of this Plan. To monitor the activities of Facility Users to ensure compliance with this plan.
MSB Coordinator & Facility Coordinator	Ensure competent advice and support is provided to Facility Users in meeting the requirements of this plan. To monitor controls in relation to this plan ensuring all Facility Users are compliant. To promptly report all non-conformances to BU Manager and HSSEQ Department.
HSSEQ Department	To review update and implement all changes to this plan. To monitor all DMSB personnel and Facility users in relation to compliance with this procedure Carry out site assessments in relation to this plan.
DMSB Stakeholders	Will cooperate and assist with the Plan. To follow all instruction in relation to this plan To promptly report all non-conformances to DMSB Management.

PLAN SUMMARY

Activities have the potential to generate dust containing particulate matter. Particulate matter is usually measured in PM10 and PM2.5. PM10 is particulate matter 10 micrometres or less in diameter, PM2.5 is particulate matter 2.5 micrometres or less in diameter. PM2.5 is generally described as fine particles. By way of comparison, a human hair is about 100 micrometres, so roughly 40 fine particles could be placed on its width (source Australian Government NPI website).

- The following sources can impact on air quality:
- Plant & vehicles using access roads.
- Plant conducting operations.
- Wind movement
- Loading, hauling and unloading activities.
- General operations
- Exhaust emissions from machinery, vehicles and generators entering the atmosphere.
- Potential for fire/ smoke.

ADJACENT LAND USERS

Dust can result in a serious nuisance and loss of amenity for adjacent land users, especially during windy conditions. Examples of 'nuisance' include dust deposition on surfaces (offices, vehicles) and noticeable health effects for asthma sufferers. Severe dust clouds can cause reduced visibility and increasing the risk for accidents for marine users and operators.

EFFECTS OF DUST

Dust can also impact on workers, and include respiratory issues (asthma), nuisance dust in cars/ offices, reduced visibility during operating machinery etc. Dust can also settle on the leaves of sensitive native plants and cause impact on plant health and in severe cases, could cause plants to die. This is considered highly unlikely during operational activities of the Marine Supply Base.

PERFORMANCE CRITERIA

- All Dust Reports/Complaints and dust suppression activities will be reviewed and recorded in line with the ASCO Service improvements procedure.
- ASCO DMSB Management will respond to Facility Concerns within 24 hours of receiving user or adjoining users' reports.
- Maintain communications with all Facility and local land users during times of Dust effecting local area.
- Ensure dust levels are controlled during operational activities.
- Continual monitoring to ensure dust levels are controlled.
- Raise employee, contractor, and visitor awareness.

MANAGEMENT, MONITORING AND CORRECTIVE ACTIONS

Dust monitoring will be conducted to minimise disturbed and exposed areas of the Marine Supply Base. All deliveries of material to Marine Supply Base which can contaminate air (dust release) must be suitably covered to ensure no release; water carts will be on hand to ensure dampening can be conducted whenever required.

- All areas of the Marine Supply Base will have appropriate signage to ensure traffic stays in designated areas, and speed limits are followed.
- Machinery and vehicles will be monitored to ensure no running when not in use.
- Operating without excessive emissions
- Burning any material on Marine Supply Base Land is strictly prohibited.
- Mud and fuels will be delivered to site in sealed tankers and pumped to silos, providing a closed system to prevent dust emissions.
- When required water spray will be utilised to dampen dust to eliminate/control exposure.