PLAN

ADVERSE WEATHER MANAGEMENT PLAN (AUSTRALIA)

PLN-AUS-HSSEQ-013

REVISION	DATE	AMENDMENT SUMMARY	REVIEWER	APPROVER
0	16/10/2026	Review document and transfer to new template	Kylie Arnel/John Cowan	John Cowan

PLAN
ADVERSE WEATHER MANAGEMENT PLAN (AUSTRALIA)
PLN-AUS-HSSEQ-013

TABLE OF CONTENTS

SCOPE 3
PURPOSE 3
REFERENCE DOCUMENTS 3
ABBREVIATIONS 4
ROLES & RESPONSIBILITIES 4
ADVERSE WEATHER CONDITIONS 5
EMERGENCY MANAGEMENT 5
SEVERE WEATHER WARNINGS 5
RISK ASSESSMENT 5
EXTREME TEMPERATURE 6
EXTREME HEAT 6
EXTREME COLD 6
CYCLONE 6
ADDITIONAL CONTROLS (DMSB) 6
LIGHTNING 7
LIGHTING ADDITIONAL CONTROLS (DMSB) 8
HIGH WINDS 8
HIGH WINDS ADDITIONAL CONTROLS (DMSB) 9
FOG 9
DUST STORM 9
AIR POLLUTION 9
BUSH/WILDFIRE 10
BUSH/WILDFIRE ADDITIONAL CONTROLS (DMSB) 10
HIGH SEAS/SWELLS 10
ADVERSE WEATHER WHILST DRIVING 10
STOP THE JOB 10
RECOVERY ALL CLEAR 11
COMMUNICATIONS AND ESCALATIONS 11

PLAN
ADVERSE WEATHER MANAGEMENT PLAN (AUSTRALIA)
PLN-AUS-HSSEQ-013

SCOPE

The Scope of the Plan is to define the preparedness, response, and recovery requirements in relation to adverse weather events. ASCO is committed to conducting Business Unit (BU) Operations in as safe and risk-free manner as possible. This shall be achieved using safe working practices in a safe working environment. It is the responsibility of all staff to ensure that safe working practices is undertaken during daily activates.

PURPOSE

The plan purpose is to ensure.

- The safety of all people associated with Operations
- Minimise the impact to the environment, because of the ASCO's operations
- Protection of ASCO and Client assets
- Provide strong leadership and effective management in the event of an adverse weather occurrence
- Ensure a quick response to severe weather events.

REFERENCE DOCUMENTS

DOCUMENT TITLE	INTERNAL/EXTERNAL
ASCO Australia Supply Base Emergency Response Plans	Internal
ASCO Australia Emergency Transport plan	Internal
ASCO Australia Cyclone Management Plan	Internal
ASCO Australia Heat Stress Management Plan	Internal
DMSB Fire Safety Management Plan	Internal
Hazard Identification and Control GOP	Internal
Task Based Risk Assessment GOP	Internal

ABBREVIATIONS

ABBREVIATION	MEANING
ASCO Supply Bases	Darwin Marine Supply Base (DMSB) Darwin Supply Base Dampier Supply Base Dongara Supply Base & Camps Perth Supply Base
DP	Darwin Port
EAW	East Arm Wharf
ERP	Emergency Response Planning
GOP	Global Operating Procedure
MHE	Material Handling Equipment
TBRA	Task Based Risk Assessment

ROLES & RESPONSIBILITIES

ROLE	RESPONSIBILITIES
Supply Base Managers	Overall responsibility for the site / operations Communication of this Plan to personnel Ensuring workers are aware of their responsibilities during an Adverse Weather event Coordinate any response to an incident caused by an Adverse Weather Event Provide timely and accurate information to ASCO personnel, Client and Stakeholders in response to an Adverse Weather Event and / or Emergency.
HSSEQ Department	Ensure the plan is reviewed annually, in consultation with Supply Base Manager Review inspection checklists to ensure adequacy for the workplace.

ADVERSE WEATHER CONDITIONS

When reviewing Supply Base activities, weather forecasts, warnings are to form part of this process, ensuring all weather warnings prior to, and where possible during the activity, are taking into consideration. Adverse weather or extreme weather conditions can be considered abnormal climatic conditions such as;

- Heavy rain/ hail / flood/ storm surge
- Lightning
- Cyclone
- Extreme temperature (heat / cold) / extreme humidity
- High wind
- Dust storm / Air pollution
- Fog
- Bush / Wildfire
- High Seas / Swell
- May involve a combination of the above of which it is either not reasonable or not safe for employees exposed to continue working

EMERGENCY MANAGEMENT

If adverse weather situation warrants partial or full site evacuation, the evacuation processes within the site ERP shall come into effect. Refer to Section 16.0. Supply bases will maintain and continually review all emergency contact information and responsibilities, to ensure suitable and sufficient adverse weather response and using the Emergency Evacuation Checklist.

SEVERE WEATHER WARNINGS

The Bureau of Meteorology issues weather warnings via their website at http://www.bom.gov.au/wa/warnings/ when weather conditions are developing or occurring in a specific area. These warnings are provided when adverse weather is expected to produce dangerous or damaging conditions. Potential weather shall be discussed as part of Toolbox and recorded on the applicable toolbox form, in accordance with Toolbox Talk GOP. Supervisors are to monitor weather systems and be prepared to stop activity when required.

RISK ASSESSMENT

When conducting a task-based risk assessment the effects and controls of environmental conditions including adverse weather conditions should be incorporated within the assessment. Risk assessment is conducted in accordance with Hazard Identification and Control GOP ensuring controls are considered in order of the hierarchy of control as follows:

- Eliminate; Remove workers from the conditions, whenever reasonably practicable
- Isolate; isolate workers from conditions / shorten the duration of the task
- Engineer; use controls to modify conditions/ climate
- Administrate; provide training, risk assessment tools and awareness of conditions
- PPE to assist in conditions.

EXTREME TEMPERATURE

Exposure to extreme temperatures can affect the body, the following must be considered when working in extreme temperatures:

- If the environmental conditions exceed the ability of the personnel to perform safely
- When anyone is showing signs or symptoms of a temperature-related illness
- Any personal factors which may be exacerbated by extreme temperatures
- Consider moisture (humidity) for hot conditions
- Ensure all pre-task assessments have included frequent rest and food breaks to prevent fatigue and associated injury and medical conditions

EXTREME HEAT

Heat stress may affect people in all parts of Western Australia during our summer months and may affect workers at some workplaces throughout the year. The effects of heat stress range from discomfort to life threatening illnesses such as heat stroke. Refer to ASCO Australia Heat Stress Management Plan

EXTREME COLD

Prolonged exposure to extreme cold or chilly conditions can result in serious health effects such as hypothermia. Where possible work will be conducted indoors with the appropriate heating and PPE is supplied. In the event a person needs to conduct work outdoors the following steps will be taken:

- Warm, waterproof clothing will be provided
- Work will be limited to 20 minutes intervals

CYCLONE

Refer to site specific Cyclone Management plan for steps taken in the event of a cyclone

- Cyclone Management Plan - Northern Territory
- Cyclone Management Plan - West Australia

ADDITIONAL CONTROLS (DMSB)

On the receipt of an impending Storm/ Severe Rain Event, ASCO will ensure all material as far as practical is covered or placed within the warehouse. All ASCO personnel and machinery will be restricted to only working within warehouse areas) where safe to do so.

Rain Event

- Open the valves on the waste and DG bunds to allow water to release
- Vessels alongside are notified by Harbour Control of warnings issued by the Bureau of Meteorology on Channel 10 or 16, DMSB Security monitor these channels.
- If advice is received from the Bureau of Meteorology and the information is not broadcast by Harbour Control, then contact will be made to the vessel by DMSB Security

Cyclone

- DMSB Manage/Coordinator to check vessel schedule and tidal window to ensure that vessels can depart at 4Hrs notice when Darwin is under a Cyclone Watch (48hrs Notice). If there are tidal restrictions, then the vessel must be referred to EAW.
- DMSB Manager/Coordinator is to attend the Darwin Port pre-cyclone management forum to discuss the weather plan and processes in case a cyclone forms during the wet season. This includes any update sessions with Darwin Port ensure that clients, vessels, stakeholders and personnel can be informed of any changes.

Storm Surge

- Surge Threat will be monitored by the DMSB, and updates will be given to clients, third party operators and employees
- When it is apparent that there is a confirmed risk of surge flooding BU critical equipment will require protection (computers, communications Data Files etc.). These systems will be protected and relocated as required.
- A supply of sandbags will be obtained and made available these will be used to form a barrier by doors and strategic locations around the site.
- The leadership group will set up emergency control in a suitable location refer to ASCO Business Continuity Plan to monitor all developments and keep all parties informed.

LIGHTNING

Lightning strikes can cause electrocution of personnel, plant and equipment and also be the ignition source of an electrical fire or equipment fire. In the event of either occurring the Emergency Response Plans will be put into action immediately. When the time interval between observing the lightning flash and hearing the thunder is less than 30 seconds, stop work and seek shelter. Shelter may include substantial buildings or fully enclosed vehicle with windows up. Avoid solitary trees, water, open fields or high ground.

If you cannot see the lightning, just hearing the thunder means you are most likely to already be within striking range, and it is time to seek whatever appropriate shelter is available. The “30–30 Rule” is best suited for existing thunderstorms moving into the area. However, it cannot predict or protect against a first lightning strike. Thunderstorms can develop overhead where there will be no prior notice that a storm is incoming. Be alert to changes in sky conditions portending thunderstorm development directly overhead.

Prevention is key; Regularly monitor weather conditions and local weather forecasts prior to scheduled activities. In the event where a person is caught in a lightning storm without warning the person should:

- Seek shelter immediately in an enclosed car or safe building
- Avoid using trees as shelter
- Move away from any bodies of water
- Not touch or stand near any conductive items such as metallic objects

LIGHTING ADDITIONAL CONTROLS (DMSB)

The Darwin Marine Supply Base utilises the Weather Zone system to provide updates and warnings to DMSB users. This system enables the facility to track lightning strikes and provide direction to facility users. The following process steps will be followed.

Assessment of Weather Zone for distance and direction by DMSB management:

- **Above 20 kilometres**
  - Notify DMSB users and continue to track movement
- **Below 10 kilometres**
  - Second notification and assessment to be conducted by DMSB and Berth PIC, tracking movement of lightning to assess likelihood of interaction within DMSB boundary's
- **Within 5 kilometres**
  - Assess direction of Storm and advise to cease operations and seek shelter
- Weather tracker lightning colour results will determine when work can resume
- White indicator represents within the 0 - 10minutes since last strike
- Pink indicator represents within 10 - 20 minutes since last strike (risk assessment conducted by MSB and Berth PIC to review return to work)
- Red indictor represents 20 - 40 minutes since last strike
- Purple/blue indicators represent 40 - 60 minutes since last strike.

Note

- All weather determinations will be determined by the Weather zone system only, no other alert systems will be considered during assessments
- After-hours assessments will be conducted by DMSB security personnel in consultation with Task PIC and DMSB management personnel that is on call
- All vessels managed by ASCO outside the Boundary of the DMSB will follow direction and guidance from this Adverse weather management plan
- Communication channels will be agreed before task with PIC and MSB personnel.

HIGH WINDS

High gusts of winds are unpredictable and cause a range of workplace hazards associated with flying objects, working at heights and an increased risk of collapsed structures.

During periods of high winds supply Base management ensure activities are suspended when there is a present risk to facility/personnel and vessel during periods of high winds.

The following activities should not be performed during periods or potential periods of high winds:

- Crane operations
- Working at Heights

HIGH WINDS ADDITIONAL CONTROLS (DMSB)

- Where the wind exceeds 20 knots or where there are other unusual circumstances, referrals to EAW may be required.
- Tugs may also be required to assist with the arrival or departure of the vessel. Clients and Agents are required to arrange tug assistance and will need DP approval prior to the vessel movement.
- Refer to the Darwin Port Notice - Tug Assistance Requirements: https://www.darwinport.com.au/facilities-services/compliance-regulations/port-notices

FOG

Commonly the fog will disappear with the sunrise, however in the event that fog is present in the morning a risk assessment will be conducted by the Operational Team to determine the ability to operate MHE. If it is determined to be unsafe to operate MHE in the fog, regular checks (every 15min) will be conducted to review the level of visibility.

DUST STORM

Dust storms are caused when strong, turbulent winds greater than 30km/hour, carry fine particles of dust from the surrounding area with the wind. While all people may feel discomfort, people with pre-existing illnesses such as respiratory or heart-related problems may have their existing symptoms aggravated. Dust storms can reduce visibility. Extra caution should be taken when driving a vehicle. If visibility is very low, park in a safe place to avoid collisions.

AIR POLLUTION

Events such as dust storms and bushfires may temporarily reduce outdoor air quality.

Dust and smoke may:

- Reduce air quality and impact visibility
- Settle onto equipment and impact the functioning of plant and grip of surfaces, and
- Irritate the airway, nose and eyes.

If air quality is reduced, the following steps will be taken:

- Working indoors (where possible)
- Rescheduling outdoor work until conditions (e.g. visibility and air quality) improve
- Ensuring plant is functioning correctly and has not been affected by dust or debris
- Cleaning any dust and debris off outdoor surfaces, and
- Providing personal protective equipment such as eye protection and correctly fitted, P2 rated face masks.

To check the Air Quality Index Supply Bases are encouraged to refer to the following links:

- Western Australia Air Quality Index: https://www.der.wa.gov.au/your-environment/air/air-quality-index
- Northern Territory Air Quality Index: http://ntepa.webhop.net/NTEPA/Default.ltr.aspx

BUSH/WILDFIRE

In the event there is a bush / wildfire near an ASCO Controlled site, the Supply Base Manager will monitor the situation and respond in accordance with the Emergency Services advise.

All local shire bush fire advise and Bush fire management plans and guidelines refer to the following links:

- DFES website https://www.dfes.wa.gov.au/
- PFES website https://pfes.nt.gov.au/fire-and-rescue-service/fire-incident-map

The following additional steps will also be taken:

- Site closure to be considered / onsite work to be ceased.
- Lone working / Working alone will not occur when there is a bush / wildfire warning
- Constant communication will be maintained with all staff - onsite and working offsite i.e.: Truck driver doing deliveries
- The presence of a fire may also increase the risk of air pollution. The Supply Bases will risk assess the situation in line with Task Based Risk Assessment GOP
- Where an evacuation of any size is required, the Supply Bases shall refer to their site-specific Emergency Response Plan

BUSH/WILDFIRE ADDITIONAL CONTROLS (DMSB)

- Refer to the DMSB Fire Safety Management Plan for steps taken in the event of a fire at the DMSB.

HIGH SEAS/SWELLS

High seas and swell information are provided by the bureau of meteorology; additional advice is also provided by the Darwin Harbour master and Darwin Port. All adverse high seas or swells advise received that may impact on ASCO locations will be communicated to all ASCO users.

ADVERSE WEATHER WHILST DRIVING

Adverse Weather is not only a Safety Issue in the Supply Base, but it also affects the transportation of freight to and from client's premises. Weather phenomenon such as flooding, high wind speeds, fog and lightning all need to be taken into consideration when planning the transportation method and route.

Prior to the commencement of any transport tasks all drivers are to take guidance from local weather bureau to ensure that the planned transport path is not hindered by flood or fire. Drivers are also obligated to drive to conditions and if necessary, cease driving in a safe location and await the adverse weather to pass. In an emergency event, drivers are to refer to Emergency Response Plan - Transport.

STOP THE JOB

If at any point the work being carried out is believed to be unsafe, everyone has a responsibility to Stop the Job and advise Supervisor of occurrence. This should happen on ANY site that the employee is working at without exception. These should be recorded as a LiveSafe Intervention on the ASCO HSSEQ Database as soon as they possibly can.

RECOVERY ALL CLEAR

Following an acute adverse weather event such as storm/ wind gusts, work areas shall be inspected prior to resuming operations.

- Assess the site; inspect all areas of the site to determine the integrity and safety of the site
- Proceed with caution and check for ground hazards such as downed power lines, fallen trees, broken water or sewerage lines, loose roof sheeting and debris
- Co-ordinate an inspection of all buildings, work areas, facilities and equipment
- Supply Base Manager may appoint survey teams / third party to evaluate damage / safety to assets, facilities or interruption to operations where significant damage may have occurred
- Where areas are found to be damaged and/or potentially unsafe, a decision shall be as to what action is required to rectify the situation prior to the general 'return to work' notice being issued
- When satisfied that it is safe, provide all clear for personnel to return to work

COMMUNICATIONS AND ESCALATIONS

The communication protocols as per Supply Bases specific evacuation plans shall be utilised when an evacuation is initiated. Local authority contacts and internal contacts are available in the in individual Supply Bases Emergency Response Plans. The Emergency Response Control Centre (ERCC) may be assembled to manage the aspects of any emergency beyond site capabilities or boundaries, in accordance with ASCO Australia Emergency Response Management Plan.