

## Accident Profile

### Title

Storm Damage at Evos Malta Ltd.

### Date/Time of Major Occurrence

**Start Date** 09-02-2023

**End Date** 10-02-2023

### Accident Type

Major Accident

### Reported under

EU Seveso III Directive

### Seveso II Status

Upper tier

### Industrial Activity

Fuel storage (including heating, retail sale, etc.)

### Reasons for Reporting

- ☐ Substances involved: greater than 5% of quantity in Column 3 of Annex I
- ☐ Injury to persons: >= 1 fatalities, >= 6 hospitalizing injuries, evacuation, shelter-in-place, utility disruption and damage to real estate
- ☐ Immediate damage to the environment (according to Annex VI)
- ☒ Damage to property: on-site >2M &euro;, off-site > 0.5M &euro;;
- ☐ Cross-border damage: transboundary accidents
- ☐ Interesting for lessons learned.

## Accident Report

### Accident description

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A severe storm hit the Maltese Islands with gale force winds, high waves and heavy rainfall for a number of hours. The company took the necessary precautions by halting all operations, removing berthed ships, emptying all pipelines from fuel and evacuating all personnel. The storm was so severe that most pipelines on the jetties, metal structures, lighting poles and loading arm were badly damaged and rendered unoperational. The storage tanks and their associated infrastructure, and fire fighting systems supplying the storage tanks was undamaged. There were no fuel spills and no one was injured.

### Accident involving

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☐ Domino effects

☒ Natech events

☐ Transboundary effects

☐ Contractors

### Release

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#### Major Occurrences

not known / not applicable

#### Initiating Events

not known / not applicable

### Fire

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#### Major Occurrences

not known / not applicable

#### Initiating Events

not known / not applicable

### Explosion

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#### Major Occurrences

not known / not applicable

#### Initiating Events

not known / not applicable

### Other

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material damage mainly to the pipelines and other structures on the jetties

## Site and installation

### Site description

The site consists of several fuel storage tanks situated in four tank farms. Fuel is un/loaded to and from the site by ships from the four jetties operated by the company. The site consists of inner floating roof, outer floating roof, and dome roof tanks with mixing, blending and heating capacity.

### Installation/Unit description

Fuel is transferred from and to the ships by un/loading arms and pipelines that run along the jetties to the various storage tanks. A firefighting system with diesel and electric pumps supplies the whole site with fire water and foam via a system of pipelines. Steam boilers are used to heat fuels in the storage tanks.

### Storage

Major occurrences	Equipment Type
other	general pipework/flanges

Initiating Events	Equipment Type
distribution-associated (not on-site of manufacture)	general pipework/flanges
other	- other -

### Process

Major occurrences	Equipment Type
physical operations (mixing, melting crystallizing, etc.)	general pipework/flanges

Initiating Events	Equipment Type
not known / not applicable	

### Transfer

Major occurrences	Equipment Type
pipeline/pipework transfer	general pipework/flanges
mechanical transfer (conveyors, etc.)	general pipework/flanges
vehicular transport	

Initiating Events	Equipment Type
not known / not applicable	

### Transport

Major occurrences	Equipment Type
not known / not applicable	

## Substances

### Substances Involved

No substances were released.

### Substances Classification

No substances

### Substances detail

Substance	CAS Number	Quantities (t.)	
		Involved	Potential

## Causes

Storm Helios with very high winds and enormous waves hit the site with devastating force.

### Organizational

Causative Factor	Type
not known / not applicable	none

### Plant/Equipment

Causative Factor	Type
not known / not applicable	none

### Human

Causative Factor	Type
not known / not applicable	none

### External

Causative Factor	Type
natural event (weather, temperature, earthquake, etc.)	none

## Consequences

Severe damage was caused to the pipelines and other infrastructure on the jetties. Un/loading of ships could not be undertaken. No environmental damage or injured persons was reported. Damages, clean-up, repairs, testing costs in excess of €2M.

### Human

On site	Quantity	Quantity/Effect
Other	0.00	
Off site	Quantity	Quantity/Effect
Other	0.00	

### Environmental

On site	Quantity	Quantity/Effect
Other		

  

Off site	Quantity	Quantity/Effect
Other		

## Cost

On site	Cost in Euro	Quantity/Effect
material losses		pipelines and other site infrastructure
response, cleanup, restoration costs		repairs, modifications
Other		testing and commissioning

  

Off site	Cost in Euro	Quantity/Effect
Other		none

## Disruption

Off site	Quantity	Quantity/Effect
other		

## Emergency Response

All necessary precautions were taken before the storm hit. The COMAH Competent Authority was informed of the situation, in particular the Civil Protection Department. No external emergency services were called into action. The developing situation was closely monitored by the company's senior management.

Emergency Response	Quantity	Quantity/Effect
On-site systems		
Off-site external services		
Sheltering		
Evacuation		site personnel
Other		

  

Remedial Measure	Quantity	Quantity/Effect
Decontamination		
Restoration		cleanup, removal of dangerous structures
Other		

## Lessons Learned

### Theme of the Lessons Learned

Causes - External

### Lessons Learned

Presently the company is assessing the situation and focusing on a controlled and safe reinstatement of the damaged assets.

## Event Profile

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