Legislative Process for Construction of a new Seveso Establishment

Vincent Attard TWG2 - The Hague, 26-28 September 2018

COMAH SITES in MALTA

- 10 COMAH SITES
- 8 Upper Tier- 2 Lower Tier
- DANGEROUS SUBSTANCES : -
 - LPG
 - LNG
 - PETROLEUM SPIRIT
 - AVIATION FUEL
 - GAS OIL
 - FUEL OIL
 - OTHER HYDROCARBON OILS

COMPETENT AUTHORITY

- OHSA Occupational Health and Safety Authority
 Deals with all matters relating to health and safety within the COMAH regulations
- ERA Environment and Resources Authority all matters relating to Environmental issues
- CPD Civil Protection Department
 Evaluation of Internal Emergency Plans and preparation of External Emergency Plans

Responsabilities

- OHSA Deals with all matters relating to health and safety within the COMAH regulations
- ERA Deals with all matters relating to Environmental issues
- CPD Evaluation of Internal Emergency Plans and preparation of External Emergency Plans
- OHSA takes the lead in coordinating the administrative actions of the CA

Process Initiation

- Early 2013 Govt. announces plan to build a LNG power plant
- Initial talks with COMAH CA to inform Govt. corporation Enemalta of COMAH obligations in April 2013
- First for Malta with two operators within the same COMAH site with petroleum and LNG storage

Initial Proposals

- Three scenarios:
 - Two land based storage tanks and RGU
 - FSRU berthed to jetty
 - 3. FSU and regasification on land
- Enemalta issues Project Description Statement in May2013 for interested companies.

Site



Consultation

- COMAH CA engages consultant to evaluate reports submitted by the operator
- Preferred bidder proposed FSU berthed to jetty and RGU on land, supplying NG to new CCGT and existing power generation plant.
- FSU with 125,000 m³ of LNG
- 205MG power generation plant
- Planning Authority holds public hearing in January 2014
- MEPA Board approves application and issue permit in public meeting in March 2014









Proposed LNG facility



Consultation cont/

- Weekly meetings between operator, consultants and COMAH CA
- COMAH and IPPC requirements tackled in parallel to ensure operator fulfils obligations related to both Directives
- Since there were two operators, both submitted notification, MAPP, SR, SMS and IEP and coordinated versions for the whole site
- COMAH CA consultant evaluates these documents

Evaluation Results: Location Specific Individual Risk (LSIR) for 355 Accident Scenarios in total



Risk of fatality of an individual

1 in 100,000 years

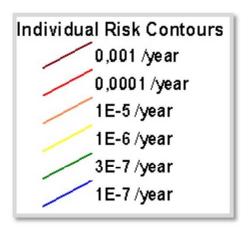
1 in 1 million years

3 in 10 million years



Exclusion Zones based on LSIR

Exclusion Zones: max 250m from FSU berth location are indicated by 10⁻⁵ risk contour (amber risk curve)





1250 m

Evaluation of Reports

- CA submits recommendations and action plan to operators
- Immediate actions to minimise risks are executed immediately
- CPD engages consultants to draw up the external emergency plan
- All reports, non-confidential versions, are made available to the public through website and hard copies delivered to three Local Councils closest to site
- Meetings with NGOs and LCs
- Information booklet to the public

Operational Permit

- Period of Public Consultation by the Environment and Resources Authority (ERA)
- ▶ ERA board public meeting on 19/12/2016
- Operational permit with conditions issued by majority vote of board members





Final Phase

- Operator starts commissioning in January 2017
- Plant fully operational around mid 2017
- Regulatory inspections by COMAH CA and consultants in 2017 and 2018



