

Legislative Process for Construction of a new Seveso Establishment

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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



Responsibilities

- 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:
 1. Two land based storage tanks and RGU
 2. 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



0 1250 m

Risk of fatality of an individual

- 1 in 100,000 years
- 1 in 1 million years
- 3 in 10 million years

Individual Risk Contours

- 0,001 /year
- 0,0001 /year
- 1E-5 /year
- 1E-6 /year
- 3E-7 /year
- 1E-7 /year

Exclusion Zones based on LSIR

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

Individual Risk Contours

- 0,001 /year
- 0,0001 /year
- 1E-5 /year
- 1E-6 /year
- 3E-7 /year
- 1E-7 /year



0 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

