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
- 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 May 2013 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 m$^3$ 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

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
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