

# **AUKUS Nuclear Submarines: Implications for Community**

**You have a 'Right to Know'**

**Port Adelaide faces Nuclear Accident Risks**

**Workers face serious Health and Safety Risks**

**SA faces AUKUS Nuclear Wastes**

**Q 'Social License' v Gov Decisions ?**

# **AUKUS Nuclear Submarines ( N-Subs )**

## **N-Subs are Nuclear Reactors:**

- come with Nuclear Accident Risks**
- require Health & Safety Impact Studies**
  - require Emergency Response Plans**
- Port Adelaide is Targeted for N-Sub Risks**
  - Community have a 'Right to Know'**
- Workers face serious Health and Safety issues**
  - expect Socio-Economic Impacts**

## **Q What does an N-Sub Nuclear Accident look like ?**

- **comparable to a Nuclear Power Reactor Accident**
- **are ‘Response Zones’ set around an accident site**
  - **a “Precautionary Action Zone” of 600 m radius**
- **an “Urgent Protective Action Zone” of up to 2.8 km**
  - **Rescue, Decontamination and Evacuation**
  - **an “Extended Distance Zone” of ‘a few kms’**
  - **a Population Study Area of 5 to 15 km radius**
    - **a potential for “*Catastrophic Conditions*”**

# **Workers face Health Risks at a Military N-Sub**

**Is a Public Health limit set for ionising radiation exposure at a max dose of 1 mSv per year (millisievert)**

**However, in an “Urgent Protective Action Zone” of up to 2.8 km radius, federal Emergency provisions apply:**

**Emergency workers, other workers and affected members of the public “*may receive a dose of up to 50 mSv*”**

**( that is 50 times the max allowed annual dose of 1 mSv in civilian life )**

# **Workers may face “*catastrophic conditions*”**

- **Male Workers can be called on to “*volunteer*”**
- **Female workers need to be excluded from actions that may result in a dose exceeding 50 mSv**
- **Workers “*may receive a dose of up to 500 mSv for life saving actions, and to prevent the development of catastrophic conditions*”.**  
( that is up to 500 times the max dose of 1 mSv in civilian life )
- **“... *under circumstances in which the expected benefits to others clearly outweigh the emergency worker’s own health risks*”.**

# What are our Federal and SA Gov's rolling out ?

- a Federal Law to declare Osborne a Designated Nuclear Zone
- a new military nuclear 'safety' regulator to oversee Osborne
- Federal Law to override SA Laws and impose Nuclear Wastes

## SA Gov 'Terms of Reference' for an Osborne Project EIS:

- *“assembly, testing and commissioning of nuclear propulsion systems”*
- *“temporary protected storage of waste, including low-level radioactive waste”*
- AUKUS High Level Nuclear Wastes to be imposed on SA ?

# **What can Community do ?**

## **Exercise your ‘Right to Know’**

**Contact The Hon Mark Butler MP for Hindmarsh**

- **Call for Public Consultation on N-Sub Nuclear Accident Risks**
- **Call on the Federal Minister for Health to prioritise required Public Health and Safety Impact Studies**
- **Expect these Studies to be prepared by the civilian nuclear safety Agency and not by a new military nuclear regulator**
  - **Contact the Hon Susan Close MP**
  - **Call for Public Consultation by the SA Gov on a required “Emergency Response Plan”**