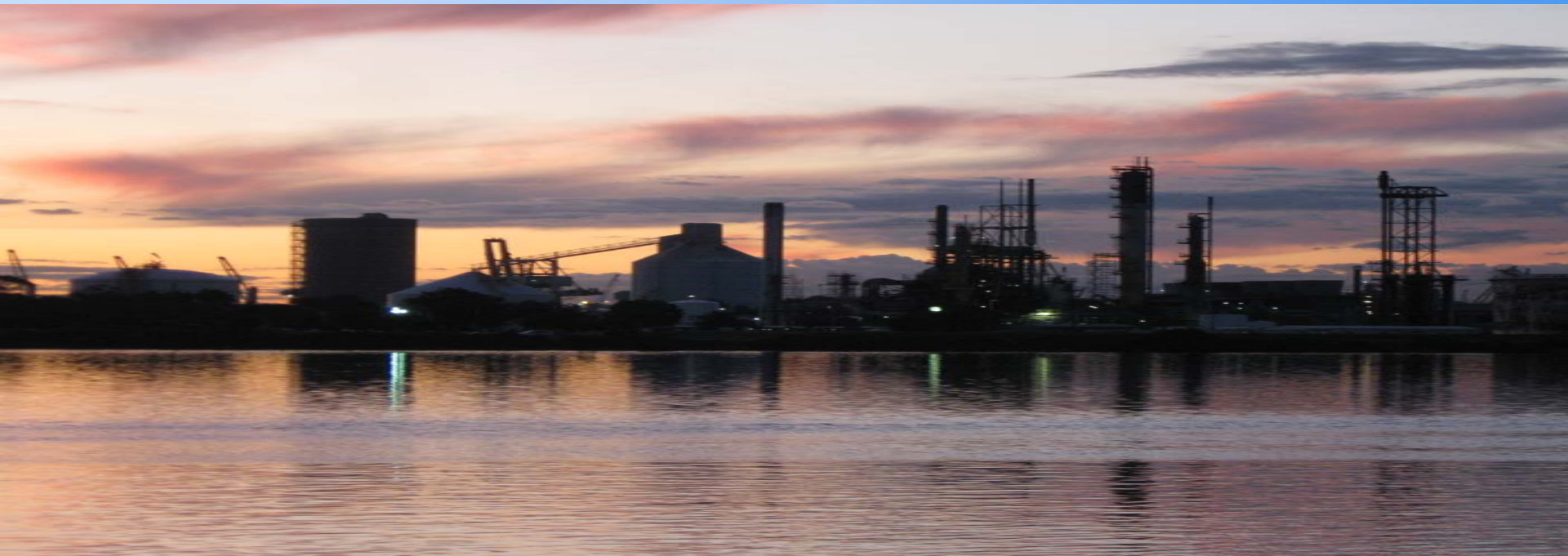




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Environment  
& Heritage

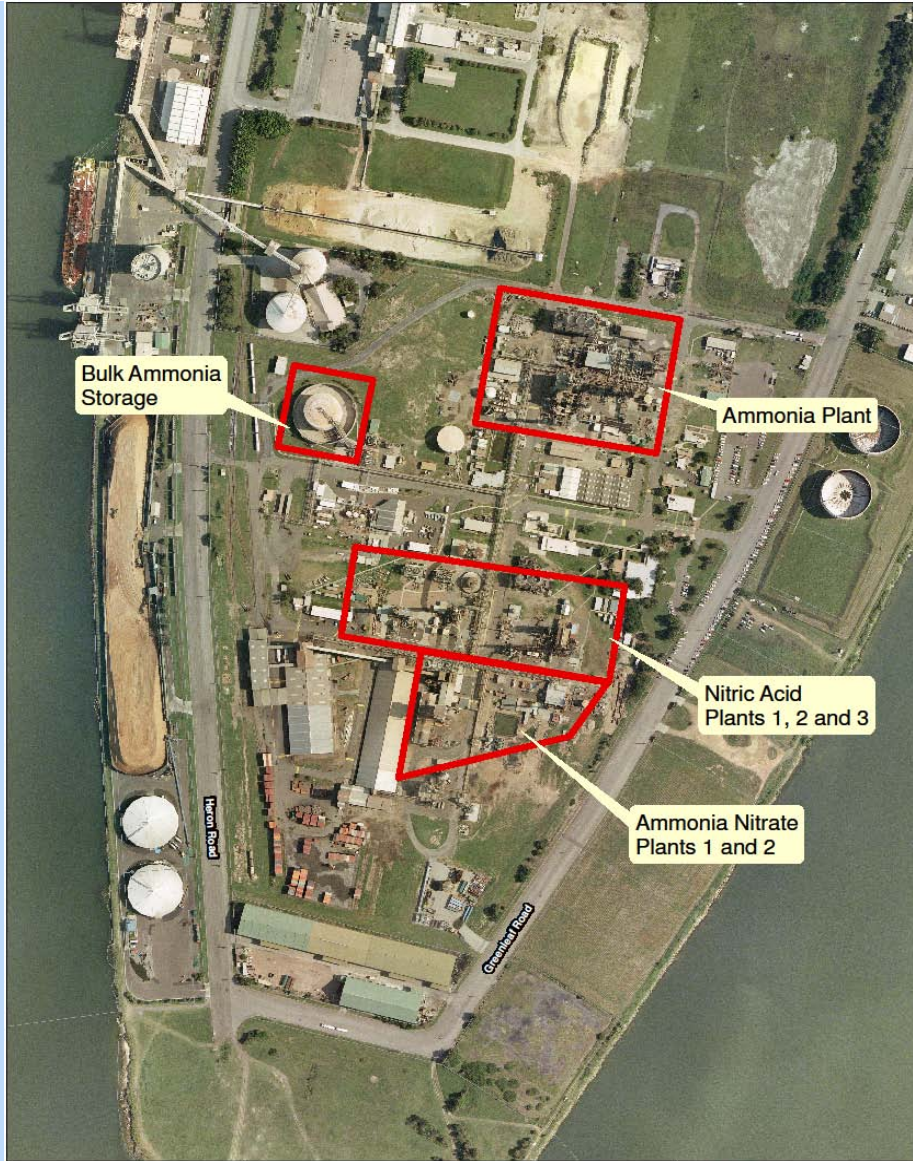
# Information briefing

# Orica Start-up Committee




# Background....

- Hexavalent chromium release 8 August 2011
  - Two Prevention Notices issued on 11 and 12 August 2011
  - Required Orica to engage an independent engineer to investigate cause and make recommendations for improvement.
- Ammonia release 9 November 2011
  - Prevention notice issued on 10 November 2011
  - Required Orica to engage independent expert to investigate cause and identify actions to prevent recurrence.
  - Required Orica to stop using pressure vessels in nitric acid plants 1 and 2 to store ammonia - effectively shutting down all production.
- Interagency Committee established to oversee and review re-commissioning of Orica's Ammonia Plant.



Orica Site Map  
Aerial Imagery 18/12/2006

0 50 100 150 200 Metres


 Datum/Projection: GDA 1994 MGA Zone 56  
 Printed by: EPA Newcastle  
 18 November 2011  
 ©Waterside and Orica/OricaSiteMap.mxd

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## Verification Matrix....

- **Clean Up – physical actions**
- **Technical – heat mass balance, hazard analysis, procedures, training**
- **Communication – community**
- **Emergency Management Plan – review and test.**
- **More than 30 verification steps/actions documented.**

## Quality assurance...

- **All physical actions and technical actions, including start up procedures verified by two independent experts approved by the EPA.**
- **Emergency plans reviewed and approved by Fire Rescue NSW and Work Cover NSW.**
- **Staff training completed and verified by the Committee.**
- **Start-up procedures tested - ‘dry run’ observed by EPA.**

## Orica Start-up....

- **Final verification steps involve physical testing of Ammonia Plan**
- **EPA will allow introduction of steam to verify integrity of the plant.**
- **Expect**
  - **Noise**
  - **Significant steam emissions**
  - **possible flare from SP-8 stack**



## Post Start-up

- **Mandatory audit – staged reporting with final report due March 2013 – covers whole site**
- **Audit team appointed**
- **EPA will issue PRP's:**
  - **continue improvements to plant**
  - **Develop and consult with community on interim Pollution Incident Response Management Plan**
  - **Implement medium and long term action to improve management of ammonia storage facilities.**
- **Stormwater drains will remain isolated and all stormwater tankered offsite until no detectable CrVI.**

## More Information.....

- <http://www.environment.nsw.gov.au/orica/index.htm>

