

ACCIMAPS IN USE

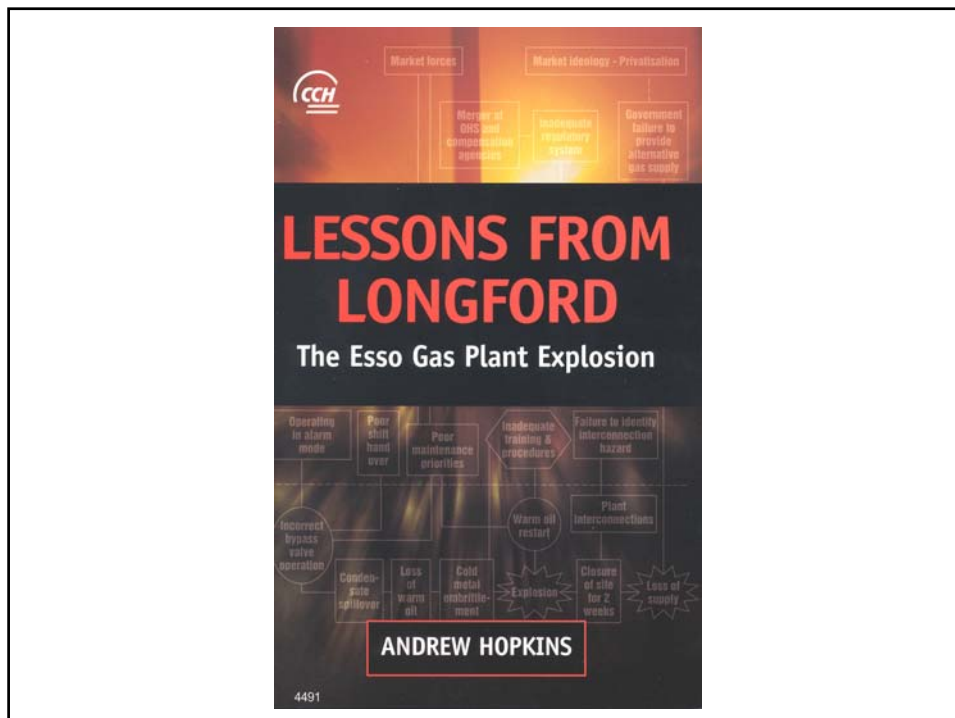
Andrew Hopkins
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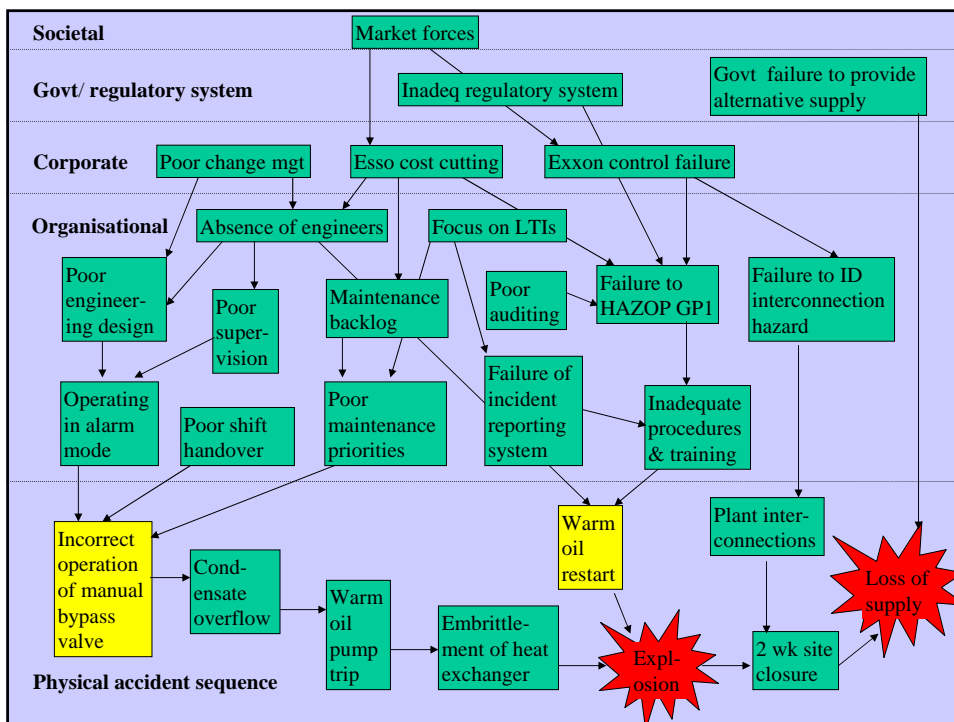
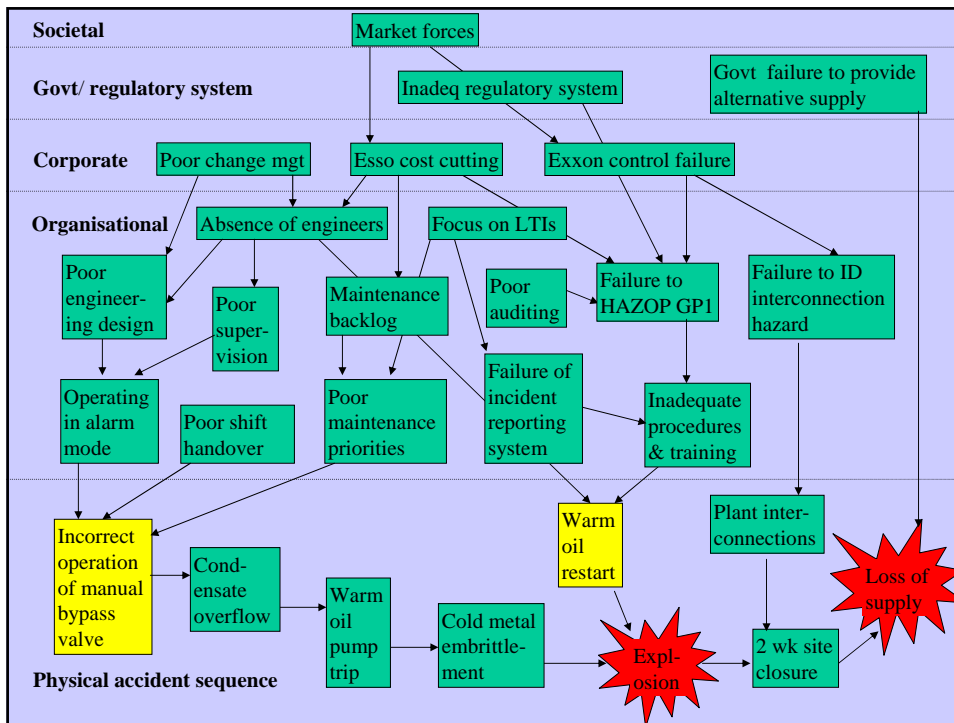
Jens Rasmussen

“Risk management in a dynamic society: A modelling problem”. *Safety Science*, 27(2/3), (1997) pp 183-213.

The Esso Longford Gas Plant Explosion

Andrew Hopkins
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General lessons from this analysis

- Systematic hazard identification is vital for accident prevention.
- Auditing must be good enough to identify the bad news and to ensure that it gets to the top.
- Reliance on LTIFR as the primary safety indicator in major hazard industries is itself a major hazard.
- Reporting systems must highlight information about major hazards.
- Communication between shifts must highlight safety-critical information.

General lessons from this analysis (cont)

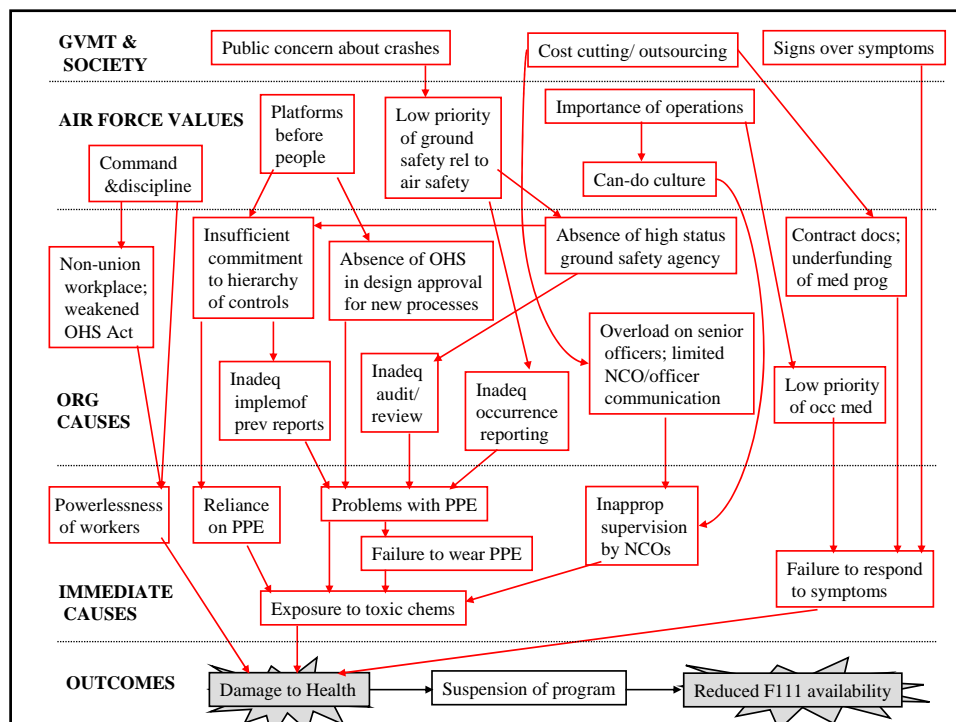
- Alarm systems must be carefully designed so safety-critical alarms are not swamped.
- Maintenance cutbacks foreshadow trouble.
- Management of change must be done scrupulously
- Corporate headquarters should maintain safety departments which can exercise effective control over the management of major hazards.
- Front line operators must be provided with backup from technical experts - engineers. (i.e. companies must tolerate “redundancy”)
- Governments should enact safety case legislation.

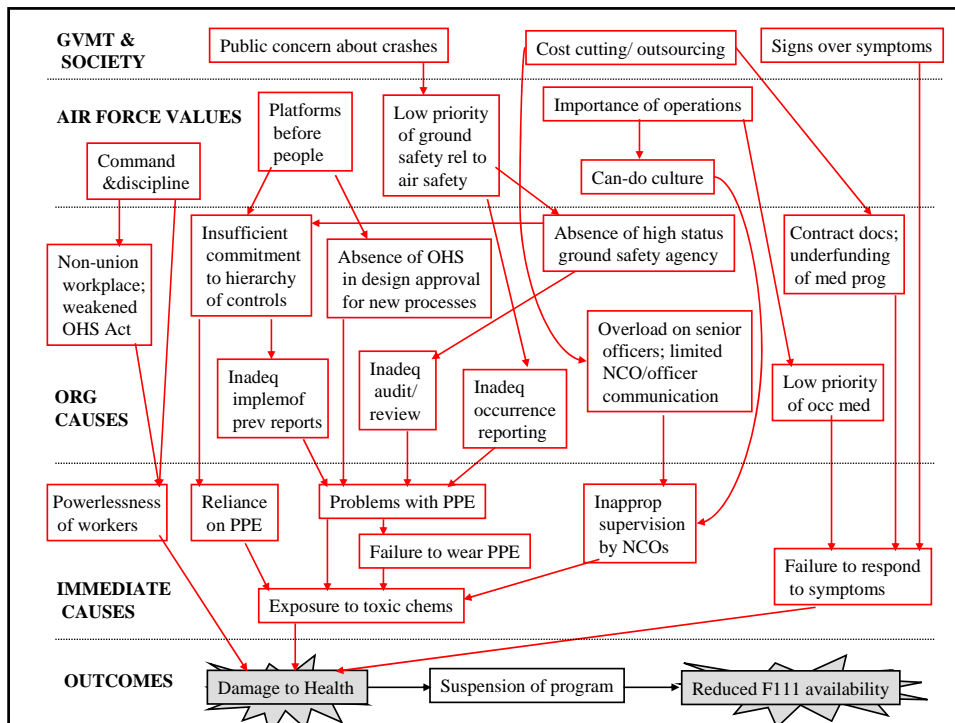
ORGANISATIONAL VALUES & SAFETY

The Exposure of Air Force Maintenance Workers to Toxic Chemicals

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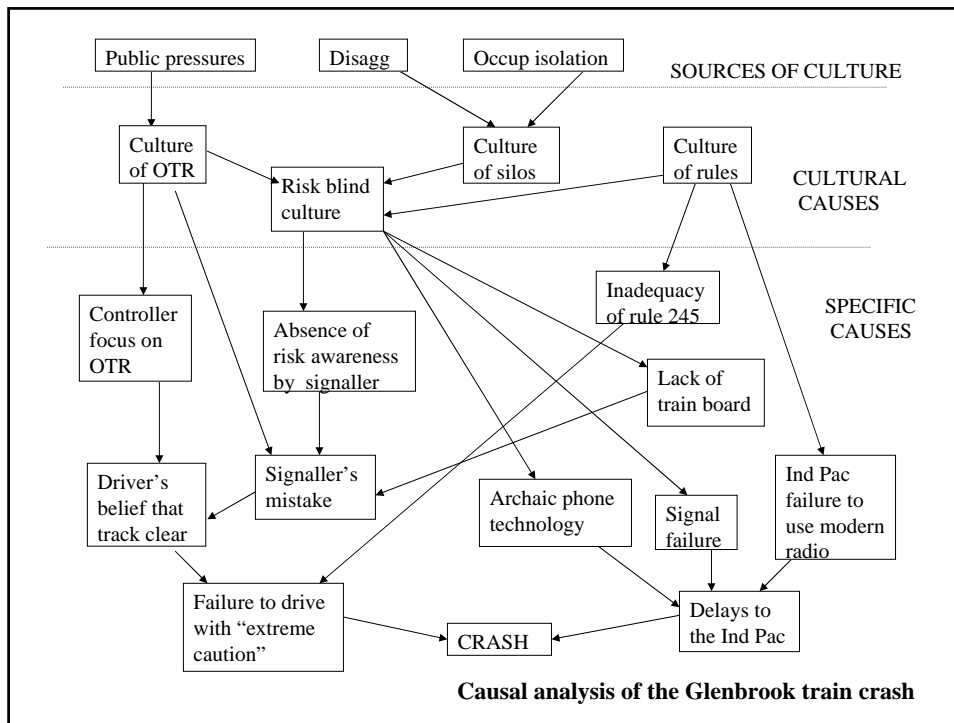
*Member of the F111 Deseal/Reseal Board of
Inquiry*





Organisational Culture and Safety: The Glenbrook Rail Crash

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