

ANZ Level 2 Task Risk Assessment (TRA) Form BPD020209

ANZ TRA Consequence Impact Level

Consequence Impact Level	Health & Safety	Environment	Non Financial Impact
D (inclusive of A,B &C)	3 or more fatalities (or onset of life-threatening health effects) 30 or more injuries or health effects, either permanent or requiring hospitalisation for more than 24 hours.	Future impact as below or greater- Extensive damage to a non-sensitive environment or localized damage to a sensitive environment, all of which can be restored to an equivalent capability in a period of around 1 year. Widespread damage to a non-sensitive environment or extensive damage to a sensitive environment, all of which can be restored to an equivalent capability in a period of months.	Severe enforcement action or loss of licence to operate, in respect of a material asset in any market, or any asset or in a major market, (US, European Union (EU), Russia) or the threat of global loss of licence to operate. Interventions from governments. Public or investor outrage. 'Interest group' outrage in a major market. Prolonged adverse national or international media attention. Widespread adverse social impact. Damage to relationships with key stakeholders of benefit to the Group or segment.
E	1 or 2 fatalities 10 or more injuries or health effects, either permanent or requiring hospital treatment for more than 24 hours	Future impact- Localized damage or extensive damage to a non-sensitive environment, which can be restored to an equivalent capability in a period of around 1 year, or a period of months, respectively. Localized damage or extensive damage to a sensitive environment, which can be restored to an equivalent. capability in a period of months, or a period of days or weeks respectively.	Other adverse enforcement action by regulators. Limited 'interest-group' outrage Short-term adverse national or international media coverage. Damage to relationships with key stakeholders of benefit to the Strategic Performance Unit (SPU).
F	Permanent partial disability(ies) Several non-permanent injuries or health impacts. DAFWC (Days Away From Work Case)	Future impact- Localized damage to a non-sensitive environment or an immediate area damage to a sensitive environment all of which can be restored to an equivalent capability in a period of months. Extensive damage to a non-sensitive environment or localized damage to a sensitive environment all of which can be restored to an equivalent capability in a period of days or weeks.	Regulatory compliance issue that does not lead to regulatory or other higher severity level consequence. Prolonged local media coverage. Local adverse social impact. Damage to relationships with key stakeholders of benefit to the Performance Unit (PU).
G	Single or multiple recordable injury or health effects from common source/ event.	Future impact- Immediate area damage or localized damage to a non-sensitive environment, which can be restored to an equivalent capability in a period of months or in a period of days or weeks, respectively. Future impact with localized damage to a non-sensitive environment and that may be restored to an equivalent capability. Immediate area damage to a sensitive environment that can be restored to an equivalent capability in a period of days or weeks.	Short-term local media coverage. Some disruption to local operations, e.g., loss of single road access less than 24 hours.
H	First aid Single or multiple over-exposures causing noticeable irritation but no actual health effects	Future impact with immediate area damage to a non-sensitive environment that can be restored to an equivalent capability in a period of days or weeks.	Isolated and short-term complaints from neighbours, (e.g., complaints about specific noise episode).

ANZ TRA Risk Matrix

		Probability				
		1	2	3	4	5
	Impact Level	Remote possibility - A similar event has not yet occurred in our industry	Similar event has occurred somewhere in our industry and within the BP group	Likely to occur once or twice in lifetime of the facility	Event likely to occur several times in the lifetime of the facility	Common occurrence (at least annually) at the facility
Consequence	D	H	VH	VH	VH	VH
	E	L	M	H	VH	VH
	F	L	M	H	H	VH
	G	L	L	M	M	H
	H	L	L	L	L	M

Definitions for Risk Level Score

L = Low Risk

M = Medium Risk

H = High Risk

VH = Very High Risk & Not Allowed

ANZ TRA Source of Energy



Biological

Biological - covers the many sources of energy in life forms, including wildlife and viruses or bacteria, e.g., as found in sewage systems, drain lines, cooling towers).



Body mechanics

Body Mechanics - human strength and agility applied to a task involving lifting, pushing, pulling, climbing or positioning.



Chemical

Chemical - energy in the form of reactive or like-threatening gases, liquids, solids, e.g., water, methane, inert gases, process chemicals, hydrocarbons, LPG etc..



Electrical

Electrical - includes all types and voltages of electricity including high voltage power systems (Alternating Current (AC)), battery systems (Direct Current (DC)) and static.

Consideration should be given to whether the task:

- Requires equipment related to the task or in the area of the task to be isolated.
- Involves electricity powered equipment.
- Is in an area where there is vulnerable electrical equipment such as insulated cabling, un-insulated overheads power lines, etc.
- Involves transfer of fluids, powers, etc. or friction between non- conducting materials which could generate static electrical charges. Are systems and equipment where this could occur adequately grounded and / or bonded.



Gravity

Gravity - a naturally occurring energy that causes tools, equipment or people to fall or move. This affects lifting task, work at height and potential dropped objects.



Mechanical

Mechanical - includes mobile equipment as well as moving parts on stationary equipment and rotating equipment. Even though items are non-powered, their momentum as they are moved may crush or cut people or vulnerable equipment. Also includes sharp edges of tools and / or equipment.



Noise

Noise - A form of pressure energy. Consideration should be given to whether:

- The task is in a high noise area.
- Noisy tools / equipment will be used.
- Noise could cause communication problems, including in any emergency.



Pressure

Pressure - air, water, pneumatics, springs, gases are all possible sources of significant pressure energy.

Consideration should be given to:

- Non-Return Valves (NRVs) where system contents may be trapped between the NRV and an isolation point.
- Section of equipment in which trapped or undrained contents may remain.
- General equipment / line condition, e.g., area of corrosion, where a pressured leak is foreseeable.
- Reaction forces from a pressure leak, which may move an unrestrained item, such as a hose, cylinder or pipe segment.



Radiation

Radiation - in the form of sunlight, radio waves or ionizing radiation (radioactivity).



Thermal

Thermal - energy associated with hot or cold surfaces and fluids, undesired chemical reactions and / or ambient temperatures.

Also, consider

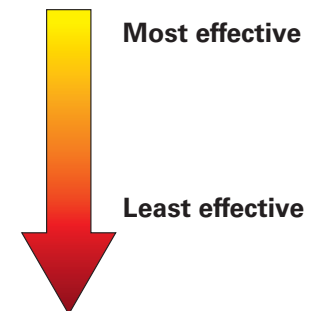
SIMOPS - Simultaneous Operations around the Job Site

Human Factors - Consideration should be given to the following

- Clear Work Procedure & Control of Work documentation
- Team behaviours' in Risk Assessment
- Recognizing hazards introduced by humans
- Communication
- Cultural aspects
- Competency
- General Public
- Physical Attributes

HIERACHY OF CONTROL

- L1 – Elimination
- L2 – Substitution
- L3 – Engineering
- L4 – Isolation
- L5 – Administrative
- L6 - PPE





Level 2 Task Risk Assessment (TRA)

DETAILED TASK DESCRIPTION	Insert details of job here, or if conducting several TRA's on the one template, insert a summary to aid others later in finding the relevant individual assessment.		
	Job Title:		
	Area/Location: <small>Insert location/s that the TRA is valid for</small>		
	Brief Description of the Job:		
	List all the tasks involved with carrying out the job in the section below:		

WORK PERMIT SET NUMBER
DATE PERFORMED
DATE WORK SITE VISIT COMPLETED
CONTRACTOR JSA / SWMS DOCUMNET NUMBER

I agree with the residual risk levels and control measures required to perform the tasks based on the identified tasks and hazards. I have instructed the TRA Team Members in the TRA process and their roles and have verified that the team understands the assessment process and what the process is trying to achieve. Additionally, I attest that the members of the TRA team have visited the job site to identify and document hazards associated with the physical layout of the area which are pertinent to the permit related tasks to be performed

TRA Facilitator Name:	Signature:	Date:
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We confirm we have been instructed in the TRA process and understand our role in this process. We agree with the residual risk levels and control measures required to perform the tasks based on the identified tasks and hazards, and therefore recommend the task for the appropriate approval.

TRA Team Member Name/Postion	TRA Team Member Signature	TRA Team Member Name/Position	TRA Team Member Signature

I agree with the residual risk levels and control measures required to perform the tasks based on the identified tasks and hazards and approve the use of this Level 2 TRA (signed approval required which can be recorded with use of fax, email or other electronic means). Details of the Approver of the Highest Residual Risk required below as per ANZ Level 2 Approval Table.

Approval Authority Position:	Name:	Signature:	Date:
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