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Burns

A	B	C	D	E	F	G
Step in Operation	Potential incident / accident	Probability	Consequence	Risk Rank	Current Controls	Recommended Controls
1.4	Burn on exhaust of pump engine or generator engine if fitted	D	5	24	Guards to be fitted	Keep fitting guards
2.2	Burn on exhaust of pump engine or generator engine if fitted	D	5	24	Guards to be fitted	Keep fitting guards

Lung Damage

A	B	C	D	E	F	G
Step in Operation	Potential incident / accident	Probability	Consequence	Risk Rank	Current Controls	Recommended Controls
3.1	Affixiation inside tank	C	1	4	Manhole cover is bolted down. Decals saying confined space, no entry	Signage next to manhole cover (on front wall). Should not be on the cover as the cover is removable. Manuals to alert of the danger. Add "entry could cause death" decal "entry by permit only."

Poisoning

A	B	C	D	E	F	G
Step in Operation	Potential incident / accident	Probability	Consequence	Risk Rank	Current Controls	Recommended Controls
2.3	If diesel is ingested it is poisonous	E	4	23	Automatic shut nozzle	Same

Skin Irritation

A	B	C	D	E	F	G
Step in Operation	Potential incident / accident	Probability	Consequence	Risk Rank	Current Controls	Recommended Controls
2.3	Diesel spilt on the skin can irritate the skin	C	5	22	Automatic shut nozzle	Include in operations manual a recommendation to wear gloves when handling product.

Fire

A	B	C	D	E	F	G
Step in Operation	Potential incident / accident	Probability	Consequence	Risk Rank	Current Controls	Recommended Controls
At any time	Fire induced by bush fire or other external causes	D	3	17	No flames, no smoking, combustible liquid signage	Ensure that operations manual recommends tank positioning to be in accordance with AS1940

Corrosion

A	B	C	D	E	F	G
Step in Operation	Potential incident / accident	Probability	Consequence	Risk Rank	Current Controls	Recommended Controls
After a long period of operation	Corrosion in the tank resulting in the tank leaking	C	4	18	Double wall	Recommend regular inspection of the tank, recommend regular inspection for water in the tank

Over Filling the Tank

A	B	C	D	E	F	G
Step in Operation	Potential incident / accident	Probability	Consequence	Risk Rank	Current Controls	Recommended Controls
1.6	Tanker driver overfills the tank	E	4	23	Overfill protection valve	Same
2.3	Customer overfills the fuel tank on the vehicle being filled from the Transtank module	C	4	18	Automatic shut off nozzle valve, non latching nozzle as standard on the equipment package.	Operation manual to say be careful not to overfill the running tank of equipment being filled from the Transtank unit

Incorrect Product filled into Transtank

A	B	C	D	E	F	G
Step in Operation	Potential incident / accident	Probability	Consequence	Risk Rank	Current Controls	Recommended Controls
1.2	Tanker driver loads incorrect product into the Transtank unit	C	4	18	"Diesel Fill" decal "Combustible Liquids Only" decal and "No Flammable Liquids" decal	Manuals to state same. Manuals to state that it is the owners responsibility to ensure correct product only is loaded.

Environmental Spill

A	B	C	D	E	F	G
Step in Operation	Potential incident / accident	Probability	Consequence	Risk Rank	Current Controls	Recommended Controls
1.6	Spillage pollution during filling	C	3	13	Tanker filling fittings in accordance with industry standards	Site the unit away from drains, waterways and other non protected drains. Manual to recommend consulting relevant EPA procedures for the State of the site. Clean up any spills. Recommend spill control kit. Tank to be operated by trained personnel only. No filling to be done by Transtank personnel

Electrical Burns and Shock

A	B	C	D	E	F	G
Step in Operation	Potential incident / accident	Probability	Consequence	Risk Rank	Current Controls	Recommended Controls
0.6 and 3.1	During installation or maintenance	C	2	8	Include electrical isolation decals	Manuals to state all maintenance to be carried out only by licensed trade personnel. Recommended periodic check of electrical systems.

Electrical Fire

A	B	C	D	E	F	G
Step in Operation	Potential incident / accident	Probability	Consequence	Risk Rank	Current Controls	Recommended Controls
At Any Time	Poor Maintenance causing electrical fault	C	4	18		Recommend periodic check of all electrics.

Mechanical - Contusions

A	B	C	D	E	F	G
Step in Operation	Potential incident / accident	Probability	Consequence	Risk Rank	Current Controls	Recommended Controls
At Any Time	Hand damage	C	5	24		Recommend in manual to wear gloves

Crushes and Impact Injuries

A	B	C	D	E	F	G
Step in Operation	Potential incident / accident	Probability	Consequence	Risk Rank	Current Controls	Recommended Controls
0.1 and 0.5	Tank dropped	C	2	8	Use only rated lifting equipment. Use only authorized licensed contractors for lifting of equipment	All lifting to be done by licensed, reputable contractors

Impact Damage

A	B	C	D	E	F	G
Step in Operation	Potential incident / accident	Probability	Consequence	Risk Rank	Current Controls	Recommended Controls
Any Time	Transtank unit hit by vehicle or other foreign object	C	3	13	Double Wall	Recommend location in safe area or utilise additional damage protection equipment. Highlight to the customer the requirement to install appropriate bollarding in accordance with the requirements of AS1940

Structural Failure

A	B	C	D	E	F	G
Step in Operation	Potential incident / accident	Probability	Consequence	Risk Rank	Current Controls	Recommended Controls
Any Time	Tank leaks	E	3	20	Double Wall Quality control through production process. Adequate design	Double Wall Quality control through production process. Adequate design

Over Pressure Damage

A	B	C	D	E	F	G
Step in Operation	Potential incident / accident	Probability	Consequence	Risk Rank	Current Controls	Recommended Controls
1.6	Tanker filling without air vent being fitted / or blocked	C	5	22	Vent labeled	Highlight the need to install the air vent prior to the first fill. Install a tag on the fill valve stating "Install air vent before initial fill"

Fall from Top of the Tank

A	B	C	D	E	F	G
Step in Operation	Potential incident / accident	Probability	Consequence	Risk Rank	Current Controls	Recommended Controls
At any time	Falling from the top of the tank	C	4	18	Decal says “No step on top” Ladder and platform to Australian standards	Operations manual recommends following working at heights regulations

Slips and Trips

A	B	C	D	E	F	G
Step in Operation	Potential incident / accident	Probability	Consequence	Risk Rank	Current Controls	Recommended Controls
At any time	Falling down ladder Slipping on spilt diesel	C	4	18	Ladder conforms to Australian Standards	Operations manual to recommend cleaning up any spills immediately with spill kit. Spill kit to be kept in a position for easy access.

Microbiological

A	B	C	D	E	F	G
Step in Operation	Potential incident / accident	Probability	Consequence	Risk Rank	Current Controls	Recommended Controls
At any time	Bug in fuel	D	5	24		Manuals to recommend draining water from the tank at regular intervals