Consolidated Plant Risk Assessments

Client	ALL CLIENTS
Project	ALL PROJECTS
Date	

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GENERIC

PLANT RISK ASSESSMENT: LINE 1 - WCP001

PRA #:	L1-WCP001-V1

PLANT SPECIFICATIONS

Description:	Mobile Concrete Line Pump	**Plant ID:**	Line 1		
Plant owner:	Wallace Concrete Pumping	**Year of purchase:**	2012	**Year of manufacture:**	2004/2010
Manufacturer:	Isuzu/Transcrete	**Model:**	FRR500 Trojan		
Serial no:	34M37000592/CL091022	**Road registration (if any):**	WCP001		

ENGINE AND ELECTRICAL

Make/model:	Isuzu/Transcrete		**Displacement**	3000 litres	
Power kw/(hp):	240hp	**Fuel type:**	Diesel	**Power supply:**	24v
Operating supply:	24v				

MASS AND DIMENSIONS

Height:	2530mm	**Length:**	7705mm	**Width:**	2430mm
Aggregate mass:	7.460t	**Axle group 1 mass:**		**Axle group 2 mass:**	
Turning circle:	14.49m	**Gradeability:**	47.3%		

SAFETY REQUIREMENTS

	Installed/Operational		Installed/Operational		Installed/Operational
UHF radio:	☒ Yes ☐ No	**Windscreen Wipers:**	☒ Yes ☐ No	**Daily prestart:**	☒ Yes ☐ No
Fire extinguisher:	☒ Yes ☐ No	**Rear Reflectors:**	☒ Yes ☐ No	**Operators manual:**	☒ Yes ☐ No
Flashing lights:	☒ Yes ☐ No	**Brake Lights/Blinkers:**	☒ Yes ☐ No	**SWMS with plant:**	☒ Yes ☐ No
Reversing quaker:	☒ Yes ☐ No	**Headlights/Clearance lights:**	☒ Yes ☐ No	**Spill kit:**	☒ Yes ☐ No
Mirrors:	☒ Yes ☐ No	**Neutral start:**	☒ Yes ☐ No	**Warning signage:**	☒ Yes ☐ No
Seatbelts:	☒ Yes ☐ No	**Battery Isolator lockable:**	☒ Yes ☐ No	**First aid kit:**	☒ Yes ☐ No
Horn:	☒ Yes ☐ No	**Emergency stops:**	☒ Yes ☐ No		

TRAINING & COMPETENCE REQUIREMENTS

Position	Training/Competency required	Trained/Competent
Pump operator	▪ Relevant truck licence ▪ WorkCover boom licence ▪ General Construction Induction Training ▪ Wallace Concrete Pumping induction training ▪ PPE and site induction as required by principal contractor ▪ Working near overhead powerlines ticket ▪ SWMS consultation and acknowledgement	☒ Yes* ☐ No *All workers are trained and competent and evidence of training and competency has been sighted.
Line hand	▪ General Construction Induction Training ▪ Wallace Concrete Pumping induction training ▪ PPE and site induction as required by principal contractor ▪ Working near overhead powerlines ticket ▪ SWMS consultation and acknowledgement	☒ Yes* ☐ No *All workers are trained and competent and evidence of training and competency has been sighted.

PERSONAL PROTECTIVE EQUIPMENT

Personal protective equipment (PPE) required								
	☒ Lace up steel cap boots	☒ Hi-vis vest (orange)	☒ Hard hat	☒ Gloves	☒ Safety glasses	☒ Long sleeved shirt/pants	☒ Hearing protection	☒ Dust mask

LEGISLATION, CODES AND STANDARDS

The following legislation, codes and standards are relevant to the safe operation of this plant. Operators should be familiar with the requirements of each.

Document	Relevant/Consulted	Document	Relevant/Consulted
Work Health and Safety Act 2011 (NSW)	☒ Yes ☐ No	NSW EPA Best Practice Guide	☒ Yes ☐ No
Work Health and Safety Regulation 2017 (NSW)	☒ Yes ☐ No	SafeWork NSW Code of Practice – Hazardous Manual Tasks 2019	☒ Yes ☐ No
AS 2550.15:2019 Safe use Concrete placing equipment	☒ Yes ☐ No	Code of Practice for Protection of Hearing at Work	☒ Yes ☐ No
SafeWork NSW Code of Practice – Construction Work 2019	☒ Yes ☐ No	SafeWork NSW Code of Practice – Plant in the Workplace	☒ Yes ☐ No
Code of Practice - Moving plant on construction sites	☒ Yes ☐ No	NSW Code of Practice - Pumping concrete	☒ Yes ☐ No

PLANT RISK ASSESSMENT: LINE 3 – WCP003

PRA #:	L3-WCP003-V1

PLANT SPECIFICATIONS

Description:	Mobile Concrete Line Pump	**Plant ID:**	Line 3		
Plant owner:	Wallace Concrete Pumping	**Year of purchase:**	2016	**Year of manufacture:**	2016
Manufacturer:	UD/Transcrete	**Model:**	PATRIOT P160 XHP-8		
Serial no:	SCL161130	**Road registration (if any):**	WCP003		

ENGINE AND ELECTRICAL

Make/model:	DAF FAT CF85/Transcrete		**Displacement**	12.9 litres	
Power kw/(hp):	430hp	**Fuel type:**	Diesel	**Power supply:**	24v
Operating supply:	24v				

MASS AND DIMENSIONS

Height:	3500mm	**Length:**	9500mm	**Width:**	2500mm
Aggregate mass:	12.64t	**Axle group 1 mass:**		**Axle group 2 mass:**	
Turning circle:	20.2m	**Gradeability:**	47.3%		

SAFETY REQUIREMENTS

	Installed/Operational		Installed/Operational		Installed/Operational
UHF radio:	☒ Yes ☐ No	**Windscreen Wipers:**	☒ Yes ☐ No	**Daily prestart:**	☒ Yes ☐ No
Fire extinguisher:	☒ Yes ☐ No	**Rear Reflectors:**	☒ Yes ☐ No	**Operators manual:**	☒ Yes ☐ No
Flashing lights:	☒ Yes ☐ No	**Brake Lights/Blinkers:**	☒ Yes ☐ No	**SWMS with plant:**	☒ Yes ☐ No
Reversing quaker:	☒ Yes ☐ No	**Headlights/Clearance lights:**	☒ Yes ☐ No	**Spill kit:**	☒ Yes ☐ No
Mirrors:	☒ Yes ☐ No	**Neutral start:**	☒ Yes ☐ No	**Warning signage:**	☒ Yes ☐ No
Seatbelts:	☒ Yes ☐ No	**Battery Isolator lockable:**	☒ Yes ☐ No	**First aid kit:**	☒ Yes ☐ No
Horn:	☒ Yes ☐ No	**Emergency stops:**	☒ Yes ☐ No		

TRAINING & COMPETENCE REQUIREMENTS

Position	Training/Competency required	Trained/Competent
Pump operator	▪ Relevant truck licence ▪ WorkCover boom licence ▪ General Construction Induction Training ▪ Wallace Concrete Pumping induction training ▪ PPE and site induction as required by principal contractor ▪ Working near overhead powerlines ticket ▪ SWMS consultation and acknowledgement	☒ Yes* ☐ No *All workers are trained and competent and evidence of training and competency has been sighted.
Line hand	▪ General Construction Induction Training ▪ Wallace Concrete Pumping induction training ▪ PPE and site induction as required by principal contractor ▪ Working near overhead powerlines ticket ▪ SWMS consultation and acknowledgement	☒ Yes* ☐ No *All workers are trained and competent and evidence of training and competency has been sighted.

PERSONAL PROTECTIVE EQUIPMENT

Personal protective equipment (PPE) required								
	☒ Lace up steel cap boots	☒ Hi-vis vest (orange)	☒ Hard hat	☒ Gloves	☒ Safety glasses	☒ Long sleeved shirt/pants	☒ Hearing protection	☒ Dust mask

LEGISLATION, CODES AND STANDARDS

The following legislation, codes and standards are relevant to the safe operation of this plant. Operators should be familiar with the requirements of each.

Document	Relevant/Consulted	Document	Relevant/Consulted
Work Health and Safety Act 2011 (NSW)	☒ Yes ☐ No	NSW EPA Best Practice Guide	☒ Yes ☐ No
Work Health and Safety Regulation 2017 (NSW)	☒ Yes ☐ No	SafeWork NSW Code of Practice – Hazardous Manual Tasks 2019	☒ Yes ☐ No
AS 2550.15:2019 Safe use Concrete placing equipment	☒ Yes ☐ No	Code of Practice for Protection of Hearing at Work	☒ Yes ☐ No
SafeWork NSW Code of Practice – Construction Work 2019	☒ Yes ☐ No	SafeWork NSW Code of Practice – Plant in the Workplace	☒ Yes ☐ No
Code of Practice - Moving plant on construction sites	☒ Yes ☐ No	NSW Code of Practice - Pumping concrete	☒ Yes ☐ No

PLANT RISK ASSESSMENT: BOOM 19 – WCP019

PRA #:	B19-WCP019-V1

PLANT SPECIFICATIONS

Description:	Mobile Concrete Boom Pump	**Plant ID:**	Boom 19		
Plant owner:	Wallace Concrete Pumping	**Year of purchase:**	2015	**Year of manufacture:**	2015
Manufacturer:	Isuzu/Callaghan	**Model:**	FXY1500/20Z-3		
Serial no:	KCP19ZX-004	**Road registration (if any):**	WCP020		

ENGINE AND ELECTRICAL

Make/model:	Isuzu		**Displacement**	9.839 L	
Power kw/(hp):	355 hp	**Fuel type:**	Diesel	**Power supply:**	24v
Operating supply:	24v				

MASS AND DIMENSIONS

Height:	3800mm	**Length:**	8000mm	**Width:**	2520mm
Aggregate mass:	21.12 t	**Axle group 1 mass:**		**Axle group 2 mass:**	
Turning circle:	18.12 m	**Gradeability:**	48.45%		

SAFETY REQUIREMENTS

	Installed/Operational		Installed/Operational		Installed/Operational
UHF radio:	☒ Yes ☐ No	**Windscreen Wipers:**	☒ Yes ☐ No	**Daily prestart:**	☒ Yes ☐ No
Fire extinguisher:	☒ Yes ☐ No	**Rear Reflectors:**	☒ Yes ☐ No	**Operators manual:**	☒ Yes ☐ No
Flashing lights:	☒ Yes ☐ No	**Brake Lights/Blinkers:**	☒ Yes ☐ No	**SWMS with plant:**	☒ Yes ☐ No
Reversing quaker:	☒ Yes ☐ No	**Headlights/Clearance lights:**	☒ Yes ☐ No	**Spill kit:**	☒ Yes ☐ No
Mirrors:	☒ Yes ☐ No	**Neutral start:**	☒ Yes ☐ No	**Warning signage:**	☒ Yes ☐ No
Seatbelts:	☒ Yes ☐ No	**Battery Isolator lockable:**	☒ Yes ☐ No	**First aid kit:**	☒ Yes ☐ No
Horn:	☒ Yes ☐ No	**Emergency stops:**	☒ Yes ☐ No		

TRAINING & COMPETENCE REQUIREMENTS

Position	Training/Competency required	Trained/Competent
Pump operator	▪ Relevant truck licence ▪ WorkCover boom licence ▪ General Construction Induction Training ▪ Wallace Concrete Pumping induction training ▪ PPE and site induction as required by principal contractor ▪ Working near overhead powerlines ticket ▪ SWMS consultation and acknowledgement	☒ Yes* ☐ No *All workers are trained and competent and evidence of training and competency has been sighted.
Line hand	▪ General Construction Induction Training ▪ Wallace Concrete Pumping induction training ▪ PPE and site induction as required by principal contractor ▪ Working near overhead powerlines ticket ▪ SWMS consultation and acknowledgement	☒ Yes* ☐ No *All workers are trained and competent and evidence of training and competency has been sighted.

PERSONAL PROTECTIVE EQUIPMENT

Personal protective equipment (PPE) required								
	☒ Lace up steel cap boots	☒ Hi-vis vest (orange)	☒ Hard hat	☒ Gloves	☒ Safety glasses	☒ Long sleeved shirt/pants	☒ Hearing protection	☒ Dust mask

LEGISLATION, CODES AND STANDARDS

The following legislation, codes and standards are relevant to the safe operation of this plant. Operators should be familiar with the requirements of each.

Document	Relevant/Consulted	Document	Relevant/Consulted
Work Health and Safety Act 2011 (NSW)	☒ Yes ☐ No	NSW EPA Best Practice Guide	☒ Yes ☐ No
Work Health and Safety Regulation 2017 (NSW)	☒ Yes ☐ No	SafeWork NSW Code of Practice – Hazardous Manual Tasks 2019	☒ Yes ☐ No
AS 2550.15:2019 Safe use Concrete placing equipment	☒ Yes ☐ No	Code of Practice for Protection of Hearing at Work	☒ Yes ☐ No
SafeWork NSW Code of Practice – Construction Work 2019	☒ Yes ☐ No	SafeWork NSW Code of Practice – Plant in the Workplace	☒ Yes ☐ No
Code of Practice - Moving plant on construction sites	☒ Yes ☐ No	NSW Code of Practice - Pumping concrete	☒ Yes ☐ No

PLANT RISK ASSESSMENT: BOOM 20 – WCP020

PRA #:	B20-WCP020-V1

PLANT SPECIFICATIONS

Description:	Mobile Concrete Boom Pump	**Plant ID:**	Boom 20		
Plant owner:	Wallace Concrete Pumping	**Year of purchase:**	2021	**Year of manufacture:**	2021
Manufacturer:	Mitsubishi/Callaghan	**Model:**	FM67FM		
Serial no:	KCP20Z-010	**Road registration (if any):**	WCP020		

ENGINE AND ELECTRICAL

Make/model:	Mitsubishi FM67FM		**Displacement**	7.545 L	
Power kw/(hp):	199 kw	**Fuel type:**	Diesel	**Power supply:**	24v
Operating supply:	24v				

MASS AND DIMENSIONS

Height:	3800mm	**Length:**	8000mm	**Width:**	2470mm
Aggregate mass:	19.18 t	**Axle group 1 mass:**		**Axle group 2 mass:**	
Turning circle:	21.4 m	**Gradeability:**	48.45%		

SAFETY REQUIREMENTS

	Installed/Operational		Installed/Operational		Installed/Operational
UHF radio:	☒ Yes ☐ No	**Windscreen Wipers:**	☒ Yes ☐ No	**Daily prestart:**	☒ Yes ☐ No
Fire extinguisher:	☒ Yes ☐ No	**Rear Reflectors:**	☒ Yes ☐ No	**Operators manual:**	☒ Yes ☐ No
Flashing lights:	☒ Yes ☐ No	**Brake Lights/Blinkers:**	☒ Yes ☐ No	**SWMS with plant:**	☒ Yes ☐ No
Reversing quaker:	☒ Yes ☐ No	**Headlights/Clearance lights:**	☒ Yes ☐ No	**Spill kit:**	☒ Yes ☐ No
Mirrors:	☒ Yes ☐ No	**Neutral start:**	☒ Yes ☐ No	**Warning signage:**	☒ Yes ☐ No
Seatbelts:	☒ Yes ☐ No	**Battery Isolator lockable:**	☒ Yes ☐ No	**First aid kit:**	☒ Yes ☐ No
Horn:	☒ Yes ☐ No	**Emergency stops:**	☒ Yes ☐ No		

TRAINING & COMPETENCE REQUIREMENTS

Position	Training/Competency required	Trained/Competent
Pump operator	▪ Relevant truck licence ▪ WorkCover boom licence ▪ General Construction Induction Training ▪ Wallace Concrete Pumping induction training ▪ PPE and site induction as required by principal contractor ▪ Working near overhead powerlines ticket ▪ SWMS consultation and acknowledgement	☒ Yes* ☐ No *All workers are trained and competent and evidence of training and competency has been sighted.
Line hand	▪ General Construction Induction Training ▪ Wallace Concrete Pumping induction training ▪ PPE and site induction as required by principal contractor ▪ Working near overhead powerlines ticket ▪ SWMS consultation and acknowledgement	☒ Yes* ☐ No *All workers are trained and competent and evidence of training and competency has been sighted.

PERSONAL PROTECTIVE EQUIPMENT

Personal protective equipment (PPE) required								
	☒ Lace up steel cap boots	☒ Hi-vis vest (orange)	☒ Hard hat	☒ Gloves	☒ Safety glasses	☒ Long sleeved shirt/pants	☒ Hearing protection	☒ Dust mask

LEGISLATION, CODES AND STANDARDS

The following legislation, codes and standards are relevant to the safe operation of this plant. Operators should be familiar with the requirements of each.

Document	Relevant/Consulted	Document	Relevant/Consulted
Work Health and Safety Act 2011 (NSW)	☒ Yes ☐ No	NSW EPA Best Practice Guide	☒ Yes ☐ No
Work Health and Safety Regulation 2017 (NSW)	☒ Yes ☐ No	SafeWork NSW Code of Practice – Hazardous Manual Tasks 2019	☒ Yes ☐ No
AS 2550.15:2019 Safe use Concrete placing equipment	☒ Yes ☐ No	Code of Practice for Protection of Hearing at Work	☒ Yes ☐ No
SafeWork NSW Code of Practice – Construction Work 2019	☒ Yes ☐ No	SafeWork NSW Code of Practice – Plant in the Workplace	☒ Yes ☐ No
Code of Practice - Moving plant on construction sites	☒ Yes ☐ No	NSW Code of Practice - Pumping concrete	☒ Yes ☐ No

PLANT RISK ASSESSMENT: BOOM 28 – WCP028

PRA #:	B28-WCP028-V1

PLANT SPECIFICATIONS

Description:	Mobile Concrete Boom Pump	**Plant ID:**	Boom 28		
Plant owner:	Wallace Concrete Pumping	**Year of purchase:**	2025	**Year of manufacture:**	2023
Manufacturer:	Hino/Putzmeister	**Model:**	FM SER/BSF28-04-16H		
Serial no:	214404329	**Road registration (if any):**	WCP028		

ENGINE AND ELECTRICAL

Make/model:	Hino FM SER 2635		**Displacement**	5 L	
Power kw/(hp):	257 kw	**Fuel type:**	Diesel	**Power supply:**	24v
Operating supply:	24v				

MASS AND DIMENSIONS

Height:	3850mm	**Length:**	9990mm	**Width:**	2600mm
Aggregate mass:	20.64 t	**Axle group 1 mass:**		**Axle group 2 mass:**	
Turning circle:	15.0 m	**Gradeability:**	38.2%		

SAFETY REQUIREMENTS

	Installed/Operational		Installed/Operational		Installed/Operational
UHF radio:	☒ Yes ☐ No	**Windscreen Wipers:**	☒ Yes ☐ No	**Daily prestart:**	☒ Yes ☐ No
Fire extinguisher:	☒ Yes ☐ No	**Rear Reflectors:**	☒ Yes ☐ No	**Operators manual:**	☒ Yes ☐ No
Flashing lights:	☒ Yes ☐ No	**Brake Lights/Blinkers:**	☒ Yes ☐ No	**SWMS with plant:**	☒ Yes ☐ No
Reversing quaker:	☒ Yes ☐ No	**Headlights/Clearance lights:**	☒ Yes ☐ No	**Spill kit:**	☒ Yes ☐ No
Mirrors:	☒ Yes ☐ No	**Neutral start:**	☒ Yes ☐ No	**Warning signage:**	☒ Yes ☐ No
Seatbelts:	☒ Yes ☐ No	**Battery Isolator lockable:**	☒ Yes ☐ No	**First aid kit:**	☒ Yes ☐ No
Horn:	☒ Yes ☐ No	**Emergency stops:**	☒ Yes ☐ No		

TRAINING & COMPETENCE REQUIREMENTS

Position	Training/Competency required	Trained/Competent
Pump operator	▪ Relevant truck licence ▪ WorkCover boom licence ▪ General Construction Induction Training ▪ Wallace Concrete Pumping induction training ▪ PPE and site induction as required by principal contractor ▪ Working near overhead powerlines ticket ▪ SWMS consultation and acknowledgement	☒ Yes* ☐ No *All workers are trained and competent and evidence of training and competency has been sighted.
Line hand	▪ General Construction Induction Training ▪ Wallace Concrete Pumping induction training ▪ PPE and site induction as required by principal contractor ▪ Working near overhead powerlines ticket ▪ SWMS consultation and acknowledgement	☒ Yes* ☐ No *All workers are trained and competent and evidence of training and competency has been sighted.

PERSONAL PROTECTIVE EQUIPMENT

Personal protective equipment (PPE) required								
	☒ Lace up steel cap boots	☒ Hi-vis vest (orange)	☒ Hard hat	☒ Gloves	☒ Safety glasses	☒ Long sleeved shirt/pants	☒ Hearing protection	☒ Dust mask

LEGISLATION, CODES AND STANDARDS

The following legislation, codes and standards are relevant to the safe operation of this plant. Operators should be familiar with the requirements of each.

Document	Relevant/Consulted	Document	Relevant/Consulted
Work Health and Safety Act 2011 (NSW)	☒ Yes ☐ No	NSW EPA Best Practice Guide	☒ Yes ☐ No
Work Health and Safety Regulation 2017 (NSW)	☒ Yes ☐ No	SafeWork NSW Code of Practice – Hazardous Manual Tasks 2019	☒ Yes ☐ No
AS 2550.15:2019 Safe use Concrete placing equipment	☒ Yes ☐ No	Code of Practice for Protection of Hearing at Work	☒ Yes ☐ No
SafeWork NSW Code of Practice – Construction Work 2019	☒ Yes ☐ No	SafeWork NSW Code of Practice – Plant in the Workplace	☒ Yes ☐ No
Code of Practice - Moving plant on construction sites	☒ Yes ☐ No	NSW Code of Practice - Pumping concrete	☒ Yes ☐ No

PLANT RISK ASSESSMENT: BOOM 38 – 038WCP

PRA #:	B38-038WCP-V1

PLANT SPECIFICATIONS

Description:	Mobile Concrete Boom Pump	**Plant ID:**	Boom 38		
Plant owner:	Wallace Concrete Pumping	**Year of purchase:**	2026	**Year of manufacture:**	2026
Manufacturer:	Mercedes Benz/Putzmeister	**Model:**	AROCS 2840/BSF38-5.17iLS		
Serial no:	210113254	**Road registration (if any):**	038WCP		

ENGINE AND ELECTRICAL

Make/model:	Mercedes Benz AROCS 6x4		**Displacement**	10.7 L	
Power kw/(hp):	290 kw	**Fuel type:**	Diesel	**Power supply:**	24v
Operating supply:	24v				

MASS AND DIMENSIONS

Height:	3980mm	**Length:**	11970mm	**Width:**	2600mm
Aggregate mass:	27.5 t	**Axle group 1 mass:**		**Axle group 2 mass:**	
Turning circle:	18.8 m	**Gradeability:**	42%		

SAFETY REQUIREMENTS

	Installed/Operational		Installed/Operational		Installed/Operational
UHF radio:	☒ Yes ☐ No	**Windscreen Wipers:**	☒ Yes ☐ No	**Daily prestart:**	☒ Yes ☐ No
Fire extinguisher:	☒ Yes ☐ No	**Rear Reflectors:**	☒ Yes ☐ No	**Operators manual:**	☒ Yes ☐ No
Flashing lights:	☒ Yes ☐ No	**Brake Lights/Blinkers:**	☒ Yes ☐ No	**SWMS with plant:**	☒ Yes ☐ No
Reversing quaker:	☒ Yes ☐ No	**Headlights/Clearance lights:**	☒ Yes ☐ No	**Spill kit:**	☒ Yes ☐ No
Mirrors:	☒ Yes ☐ No	**Neutral start:**	☒ Yes ☐ No	**Warning signage:**	☒ Yes ☐ No
Seatbelts:	☒ Yes ☐ No	**Battery Isolator lockable:**	☒ Yes ☐ No	**First aid kit:**	☒ Yes ☐ No
Horn:	☒ Yes ☐ No	**Emergency stops:**	☒ Yes ☐ No		

TRAINING & COMPETENCE REQUIREMENTS

Position	Training/Competency required	Trained/Competent
Pump operator	▪ Relevant truck licence ▪ WorkCover boom licence ▪ General Construction Induction Training ▪ Wallace Concrete Pumping induction training ▪ PPE and site induction as required by principal contractor ▪ Working near overhead powerlines ticket ▪ SWMS consultation and acknowledgement	☒ Yes* ☐ No *All workers are trained and competent and evidence of training and competency has been sighted.
Line hand	▪ General Construction Induction Training ▪ Wallace Concrete Pumping induction training ▪ PPE and site induction as required by principal contractor ▪ Working near overhead powerlines ticket ▪ SWMS consultation and acknowledgement	☒ Yes* ☐ No *All workers are trained and competent and evidence of training and competency has been sighted.

PERSONAL PROTECTIVE EQUIPMENT

Personal protective equipment (PPE) required								
	☒ Lace up steel cap boots	☒ Hi-vis vest (orange)	☒ Hard hat	☒ Gloves	☒ Safety glasses	☒ Long sleeved shirt/pants	☒ Hearing protection	☒ Dust mask

LEGISLATION, CODES AND STANDARDS

The following legislation, codes and standards are relevant to the safe operation of this plant. Operators should be familiar with the requirements of each.

Document	Relevant/Consulted	Document	Relevant/Consulted
Work Health and Safety Act 2011 (NSW)	☒ Yes ☐ No	NSW EPA Best Practice Guide	☒ Yes ☐ No
Work Health and Safety Regulation 2017 (NSW)	☒ Yes ☐ No	SafeWork NSW Code of Practice – Hazardous Manual Tasks 2019	☒ Yes ☐ No
AS 2550.15:2019 Safe use Concrete placing equipment	☒ Yes ☐ No	Code of Practice for Protection of Hearing at Work	☒ Yes ☐ No
SafeWork NSW Code of Practice – Construction Work 2019	☒ Yes ☐ No	SafeWork NSW Code of Practice – Plant in the Workplace	☒ Yes ☐ No
Code of Practice - Moving plant on construction sites	☒ Yes ☐ No	NSW Code of Practice - Pumping concrete	☒ Yes ☐ No

PLANT RISK ASSESSMENT: BOOM 42 – WCP042

PRA #:	B42-WCP042-V1

PLANT SPECIFICATIONS

Description:	Mobile Concrete Boom Pump	**Plant ID:**	Boom 42		
Plant owner:	Wallace Concrete Pumping	**Year of purchase:**	2015	**Year of manufacture:**	2009
Manufacturer:	Flowcrete	**Model:**	JXRZ42-5.20HP		
Serial no:	1209615	**Road registration (if any):**	WCP042		

ENGINE AND ELECTRICAL

Make/model:	DAF		**Displacement**	12.9 L	
Power kw/(hp):	460 hp	**Fuel type:**	Diesel	**Power supply:**	24v
Operating supply:	24v				

MASS AND DIMENSIONS

Height:	3950mm	**Length:**	11140mm	**Width:**	2520mm
Aggregate mass:	39.40 t	**Axle group 1 mass:**		**Axle group 2 mass:**	
Turning circle:	20.20 m	**Gradeability:**			

SAFETY REQUIREMENTS

	Installed/Operational		Installed/Operational		Installed/Operational
UHF radio:	☒ Yes ☐ No	**Windscreen Wipers:**	☒ Yes ☐ No	**Daily prestart:**	☒ Yes ☐ No
Fire extinguisher:	☒ Yes ☐ No	**Rear Reflectors:**	☒ Yes ☐ No	**Operators manual:**	☒ Yes ☐ No
Flashing lights:	☒ Yes ☐ No	**Brake Lights/Blinkers:**	☒ Yes ☐ No	**SWMS with plant:**	☒ Yes ☐ No
Reversing quaker:	☒ Yes ☐ No	**Headlights/Clearance lights:**	☒ Yes ☐ No	**Spill kit:**	☒ Yes ☐ No
Mirrors:	☒ Yes ☐ No	**Neutral start:**	☒ Yes ☐ No	**Warning signage:**	☒ Yes ☐ No
Seatbelts:	☒ Yes ☐ No	**Battery Isolator lockable:**	☒ Yes ☐ No	**First aid kit:**	☒ Yes ☐ No
Horn:	☒ Yes ☐ No	**Emergency stops:**	☒ Yes ☐ No		

TRAINING & COMPETENCE REQUIREMENTS

Position	Training/Competency required	Trained/Competent
Pump operator	▪ Relevant truck licence ▪ WorkCover boom licence ▪ General Construction Induction Training ▪ Wallace Concrete Pumping induction training ▪ PPE and site induction as required by principal contractor ▪ Working near overhead powerlines ticket ▪ SWMS consultation and acknowledgement	☒ Yes* ☐ No *All workers are trained and competent and evidence of training and competency has been sighted.
Line hand	▪ General Construction Induction Training ▪ Wallace Concrete Pumping induction training ▪ PPE and site induction as required by principal contractor ▪ Working near overhead powerlines ticket ▪ SWMS consultation and acknowledgement	☒ Yes* ☐ No *All workers are trained and competent and evidence of training and competency has been sighted.

PERSONAL PROTECTIVE EQUIPMENT

Personal protective equipment (PPE) required								
	☒ Lace up steel cap boots	☒ Hi-vis vest (orange)	☒ Hard hat	☒ Gloves	☒ Safety glasses	☒ Long sleeved shirt/pants	☒ Hearing protection	☒ Dust mask

LEGISLATION, CODES AND STANDARDS

The following legislation, codes and standards are relevant to the safe operation of this plant. Operators should be familiar with the requirements of each.

Document	Relevant/Consulted	Document	Relevant/Consulted
Work Health and Safety Act 2011 (NSW)	☒ Yes ☐ No	NSW EPA Best Practice Guide	☒ Yes ☐ No
Work Health and Safety Regulation 2017 (NSW)	☒ Yes ☐ No	SafeWork NSW Code of Practice – Hazardous Manual Tasks 2019	☒ Yes ☐ No
AS 2550.15:2019 Safe use Concrete placing equipment	☒ Yes ☐ No	Code of Practice for Protection of Hearing at Work	☒ Yes ☐ No
SafeWork NSW Code of Practice – Construction Work 2019	☒ Yes ☐ No	SafeWork NSW Code of Practice – Plant in the Workplace	☒ Yes ☐ No
Code of Practice - Moving plant on construction sites	☒ Yes ☐ No	NSW Code of Practice - Pumping concrete	☒ Yes ☐ No

PLANT RISK ASSESSMENT: BOOM 47 – 047WCP

PRA #:	B47-WCP047-V1

PLANT SPECIFICATIONS

Description:	Mobile Concrete Boom Pump	Plant ID:	Boom 47		
Plant owner:	Wallace Concrete Pumping	Year of purchase:	2026	Year of manufacture:	2026
Manufacturer:	Mercedes Benz/Putzmeister	Model:	BSF47-5.17IIs		
Serial no:	210113285	Road registration (if any):	047WCP		

ENGINE AND ELECTRICAL

Make/model:	Mercedes Benz AROCS 8x4		Displacement	15.6 L	
Power kw/(hp):	510 hp	Fuel type:	Diesel	Power supply:	24v
Operating supply:	24v				

MASS AND DIMENSIONS

Height:	4250mm	Length:	12130mm	Width:	2550mm
Aggregate mass:	32 t	Axle group 1 mass:		Axle group 2 mass:	
Turning circle:	19.45 m	Gradeability:	48.45%		

SAFETY REQUIREMENTS

	Installed/Operational		Installed/Operational		Installed/Operational
UHF radio:	☒ Yes ☐ No	Windscreen Wipers:	☒ Yes ☐ No	Daily prestart:	☒ Yes ☐ No
Fire extinguisher:	☒ Yes ☐ No	Rear Reflectors:	☒ Yes ☐ No	Operators manual:	☒ Yes ☐ No
Flashing lights:	☒ Yes ☐ No	Brake Lights/Blinkers:	☒ Yes ☐ No	SWMS with plant:	☒ Yes ☐ No
Reversing quaker:	☒ Yes ☐ No	Headlights/Clearance lights:	☒ Yes ☐ No	Spill kit:	☒ Yes ☐ No
Mirrors:	☒ Yes ☐ No	Neutral start:	☒ Yes ☐ No	Warning signage:	☒ Yes ☐ No
Seatbelts:	☒ Yes ☐ No	Battery Isolator lockable:	☒ Yes ☐ No	First aid kit:	☒ Yes ☐ No
Horn:	☒ Yes ☐ No	Emergency stops:	☒ Yes ☐ No		

TRAINING & COMPETENCE REQUIREMENTS

Position	Training/Competency required	Trained/Competent
Pump operator	▪ Relevant truck licence ▪ WorkCover boom licence ▪ General Construction Induction Training ▪ Wallace Concrete Pumping induction training ▪ PPE and site induction as required by principal contractor ▪ Working near overhead powerlines ticket ▪ SWMS consultation and acknowledgement	☒ Yes* ☐ No *All workers are trained and competent and evidence of training and competency has been sighted.
Line hand	▪ General Construction Induction Training ▪ Wallace Concrete Pumping induction training ▪ PPE and site induction as required by principal contractor ▪ Working near overhead powerlines ticket ▪ SWMS consultation and acknowledgement	☒ Yes* ☐ No *All workers are trained and competent and evidence of training and competency has been sighted.

PERSONAL PROTECTIVE EQUIPMENT

Personal protective equipment (PPE) required								
	☒ Lace up steel cap boots	☒ Hi-vis vest (orange)	☒ Hard hat	☒ Gloves	☒ Safety glasses	☒ Long sleeved shirt/pants	☒ Hearing protection	☒ Dust mask

LEGISLATION, CODES AND STANDARDS

The following legislation, codes and standards are relevant to the safe operation of this plant. Operators should be familiar with the requirements of each.

Document	Relevant/Consulted	Document	Relevant/Consulted
Work Health and Safety Act 2011 (NSW)	☒ Yes ☐ No	NSW EPA Best Practice Guide	☒ Yes ☐ No
Work Health and Safety Regulation 2017 (NSW)	☒ Yes ☐ No	SafeWork NSW Code of Practice – Hazardous Manual Tasks 2019	☒ Yes ☐ No
AS 2550.15:2019 Safe use Concrete placing equipment	☒ Yes ☐ No	Code of Practice for Protection of Hearing at Work	☒ Yes ☐ No
SafeWork NSW Code of Practice – Construction Work 2019	☒ Yes ☐ No	SafeWork NSW Code of Practice – Plant in the Workplace	☒ Yes ☐ No
Code of Practice - Moving plant on construction sites	☒ Yes ☐ No	NSW Code of Practice - Pumping concrete	☒ Yes ☐ No

PLANT RISK ASSESSMENT: BOOM 50 – 050WCP

PRA #:	B50-050WCP-V1

PLANT SPECIFICATIONS

Description:	Mobile Concrete Boom Pump	**Plant ID:**	Boom 50		
Plant owner:	Wallace Concrete Pumping	**Year of purchase:**	2019	**Year of manufacture:**	2019
Manufacturer:	Flowcrete	**Model:**	JXRZ50-5		
Serial no:	0407510-053	**Road registration (if any):**	050WCP		

ENGINE AND ELECTRICAL

Make/model:	DAF		**Displacement**	12.9 L	
Power kw/(hp):	510 hp	**Fuel type:**	Diesel	**Power supply:**	24v
Operating supply:	24v				

MASS AND DIMENSIONS

Height:	3970mm	**Length:**	12750mm	**Width:**	2520mm
Aggregate mass:	39.40 t	**Axle group 1 mass:**		**Axle group 2 mass:**	
Turning circle:	20.20 m	**Gradeability:**			

SAFETY REQUIREMENTS

	Installed/Operational		Installed/Operational		Installed/Operational
UHF radio:	☒ Yes ☐ No	**Windscreen Wipers:**	☒ Yes ☐ No	**Daily prestart:**	☒ Yes ☐ No
Fire extinguisher:	☒ Yes ☐ No	**Rear Reflectors:**	☒ Yes ☐ No	**Operators manual:**	☒ Yes ☐ No
Flashing lights:	☒ Yes ☐ No	**Brake Lights/Blinkers:**	☒ Yes ☐ No	**SWMS with plant:**	☒ Yes ☐ No
Reversing quaker:	☒ Yes ☐ No	**Headlights/Clearance lights:**	☒ Yes ☐ No	**Spill kit:**	☒ Yes ☐ No
Mirrors:	☒ Yes ☐ No	**Neutral start:**	☒ Yes ☐ No	**Warning signage:**	☒ Yes ☐ No
Seatbelts:	☒ Yes ☐ No	**Battery Isolator lockable:**	☒ Yes ☐ No	**First aid kit:**	☒ Yes ☐ No
Horn:	☒ Yes ☐ No	**Emergency stops:**	☒ Yes ☐ No		

TRAINING & COMPETENCE REQUIREMENTS

Position	Training/Competency required	Trained/Competent
Pump operator	▪ Relevant truck licence ▪ WorkCover boom licence ▪ General Construction Induction Training ▪ Wallace Concrete Pumping induction training ▪ PPE and site induction as required by principal contractor ▪ Working near overhead powerlines ticket ▪ SWMS consultation and acknowledgement	☒ Yes* ☐ No *All workers are trained and competent and evidence of training and competency has been sighted.
Line hand	▪ General Construction Induction Training ▪ Wallace Concrete Pumping induction training ▪ PPE and site induction as required by principal contractor ▪ Working near overhead powerlines ticket ▪ SWMS consultation and acknowledgement	☒ Yes* ☐ No *All workers are trained and competent and evidence of training and competency has been sighted.

PERSONAL PROTECTIVE EQUIPMENT

Personal protective equipment (PPE) required								
	☒ Lace up steel cap boots	☒ Hi-vis vest (orange)	☒ Hard hat	☒ Gloves	☒ Safety glasses	☒ Long sleeved shirt/pants	☒ Hearing protection	☒ Dust mask

LEGISLATION, CODES AND STANDARDS

The following legislation, codes and standards are relevant to the safe operation of this plant. Operators should be familiar with the requirements of each.

Document	Relevant/Consulted	Document	Relevant/Consulted
Work Health and Safety Act 2011 (NSW)	☒ Yes ☐ No	NSW EPA Best Practice Guide	☒ Yes ☐ No
Work Health and Safety Regulation 2017 (NSW)	☒ Yes ☐ No	SafeWork NSW Code of Practice – Hazardous Manual Tasks 2019	☒ Yes ☐ No
AS 2550.15:2019 Safe use Concrete placing equipment	☒ Yes ☐ No	Code of Practice for Protection of Hearing at Work	☒ Yes ☐ No
SafeWork NSW Code of Practice – Construction Work 2019	☒ Yes ☐ No	SafeWork NSW Code of Practice – Plant in the Workplace	☒ Yes ☐ No
Code of Practice - Moving plant on construction sites	☒ Yes ☐ No	NSW Code of Practice - Pumping concrete	☒ Yes ☐ No

PLANT RISK ASSESSMENT: BOOM 56 – 056WCP

PRA #:	B50-056WCP-V1

PLANT SPECIFICATIONS

Description:	Mobile Concrete Boom Pump	**Plant ID:**	Boom 56		
Plant owner:	Wallace Concrete Pumping	**Year of purchase:**	2024	**Year of manufacture:**	2024
Manufacturer:	Schwing	**Model:**	S56SXF		
Serial no:	1027295	**Road registration (if any):**	056WCP		

ENGINE AND ELECTRICAL

Make/model:	Mercedes Benz Arocs 5051		**Displacement:**	12.8 L	
Power kw/(hp):	510 hp	**Fuel type:**	Diesel	**Power supply:**	24 v
Operating supply:	24 v				

MASS AND DIMENSIONS

Height:	3950 mm	**Length:**	13990 mm	**Width:**	2500 mm
Aggregate mass:	50 t	**Axle group 1 mass:**		**Axle group 2 mass:**	
Turning circle:	25 m	**Gradeability:**			

SAFETY REQUIREMENTS

	Installed/Operational		Installed/Operational		Installed/Operational
UHF radio:	☒ Yes ☐ No	**Windscreen Wipers:**	☒ Yes ☐ No	**Daily prestart:**	☒ Yes ☐ No
Fire extinguisher:	☒ Yes ☐ No	**Rear Reflectors:**	☒ Yes ☐ No	**Operators manual:**	☒ Yes ☐ No
Flashing lights:	☒ Yes ☐ No	**Brake Lights/Blinkers:**	☒ Yes ☐ No	**SWMS with plant:**	☒ Yes ☐ No
Reversing quaker:	☒ Yes ☐ No	**Headlights/Clearance lights:**	☒ Yes ☐ No	**Spill kit:**	☒ Yes ☐ No
Mirrors:	☒ Yes ☐ No	**Neutral start:**	☒ Yes ☐ No	**Warning signage:**	☒ Yes ☐ No
Seatbelts:	☒ Yes ☐ No	**Battery Isolator lockable:**	☒ Yes ☐ No	**First aid kit:**	☒ Yes ☐ No
Horn:	☒ Yes ☐ No	**Emergency stops:**	☒ Yes ☐ No		

TRAINING & COMPETENCE REQUIREMENTS

Position	Training/Competency required	Trained/Competent
Pump operator	▪ Relevant truck licence ▪ WorkCover boom licence ▪ General Construction Induction Training ▪ Wallace Concrete Pumping induction training ▪ PPE and site induction as required by principal contractor ▪ Working near overhead powerlines ticket ▪ SWMS consultation and acknowledgement	☒ Yes* ☐ No *All workers are trained and competent and evidence of training and competency has been sighted.
Line hand	▪ General Construction Induction Training ▪ Wallace Concrete Pumping induction training ▪ PPE and site induction as required by principal contractor ▪ Working near overhead powerlines ticket ▪ SWMS consultation and acknowledgement	☒ Yes* ☐ No *All workers are trained and competent and evidence of training and competency has been sighted.

PERSONAL PROTECTIVE EQUIPMENT

Personal protective equipment (PPE) required								
	☒ Lace up steel cap boots	☒ Hi-vis vest (orange)	☒ Hard hat	☒ Gloves	☒ Safety glasses	☒ Long sleeved shirt/pants	☒ Hearing protection	☒ Dust mask

LEGISLATION, CODES AND STANDARDS

The following legislation, codes and standards are relevant to the safe operation of this plant. Operators should be familiar with the requirements of each.

Document	Relevant/Consulted	Document	Relevant/Consulted
Work Health and Safety Act 2011 (NSW)	☒ Yes ☐ No	NSW EPA Best Practice Guide	☒ Yes ☐ No
Work Health and Safety Regulation 2017 (NSW)	☒ Yes ☐ No	SafeWork NSW Code of Practice – Hazardous Manual Tasks 2019	☒ Yes ☐ No
AS 2550.15:2019 Safe use Concrete placing equipment	☒ Yes ☐ No	Code of Practice for Protection of Hearing at Work	☒ Yes ☐ No
SafeWork NSW Code of Practice – Construction Work 2019	☒ Yes ☐ No	SafeWork NSW Code of Practice – Plant in the Workplace	☒ Yes ☐ No
Code of Practice - Moving plant on construction sites	☒ Yes ☐ No	NSW Code of Practice - Pumping concrete	☒ Yes ☐ No

RISK ASSESSMENT TOOL

A risk assessment must be carried out in respect of each potential hazard associated with the use of this plant. Controls are to be implemented in line with best practice, giving priority to hard controls such as elimination, substitution and engineering. Administrative controls and personal protective equipment (PPE) should only be used alone where other controls are not reasonably practicable.

Consequence

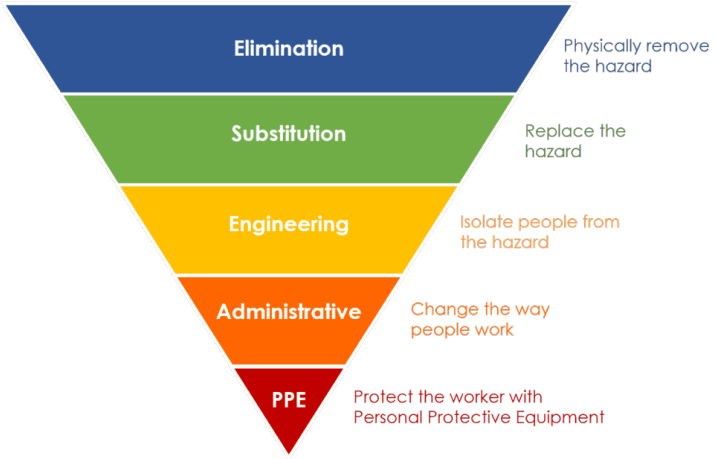
Band	Description	
Substantial (5)	Fatal incident (class 1)	Permanent widespread ecological damage
Major (4)	Permanent injury (class 1)	Heavy ecological damage, costly restoration
Moderate (3)	Lost time injury (class 2)	Major but recoverable ecological damage
Minor (2)	Medical treatment (class 2)	Limited but medium-term damage
Negligible (1)	First aid treatment (class 3)	Short term damage

Probability

Band	Description		
Almost Certain (5)	Can be expected to occur 75% - 99%	Common / Frequent Occurrence	More than 1 event per month
Likely (4)	Can be expected to occur 50% - 75%	Is known to occur or "It has happened regularly"	More than 1 event per year
Possible (3)	Can be expected to occur 25% - 50%	Could occur or "I've heard of it happening"	1 event per 1 to 10 years
Unlikely (2)	Can be expected to occur 10% - 25%	Not likely to occur very often	1 event per 10 to 100 years
Rare (1)	Not expected to occur except in exemptional circumstances	Conceivable but only in exceptional circumstances	Less than 1 event per 100 years

Risk score

	Negligible	Minor	Moderate	Major	Catastrophic
Almost certain	Moderate (5)	Moderate (10)	High (15)	Extreme (20)	Extreme (25)
Likely	Low (4)	Moderate (8)	Moderate (12)	High (16)	Extreme (20)
Possible	Low (3)	Moderate (6)	Moderate (9)	Moderate (12)	High (15)
Unlikely	Low (2)	Low (4)	Moderate (6)	Moderate (8)	Moderate (10)
Rare	Low (1)	Low (2)	Low (3)	Low (4)	Moderate (5)



Risk scores should be reviewed at regular intervals and MUST be reviewed when an activity or the environment in which an activity is being undertaken changes.

8 RISK ASSESSMENT

	Potential safety hazard	Likelihood	Consequence	Risk rating (Raw)	Control measures	Person responsible	Likelihood	Consequence	Risk rating (Treated)
Mechanical hazards - Crushing, draw in, entanglement, shearing, friction or impact									
1	In-running nip points such as rollers/gear sets	1	4	4	▪ Trained and competent operator. ▪ Operator assessment to be done. ▪ Unauthorised personnel to be kept clear.	▪ Operator ▪ Supervisor ▪ Management	1	4	4
2	Crushing due to parts of plant closing or collapsing uncontrollably	1	5	5	▪ Trained and competent operator. ▪ Operator assessment to be done. ▪ Unauthorised personnel to be kept clear. ▪ Pre-start checks. ▪ Daily, monthly & yearly checks. ▪ Pump operations manual. ▪ Crush zone decals. ▪ Emergency stops.	▪ Operator ▪ Supervisor ▪ Management	1	5	5
3	Trapping between plant and materials or fixed structures	1	5	5	▪ Trained and competent operator. ▪ Operator assessment to be done. ▪ Unauthorised personnel to be kept clear. ▪ Visual checks. ▪ Reverse beepers. ▪ Reversing mirrors.	▪ Operator ▪ Supervisor ▪ Management	1	5	5
4	Coming in contact with moving parts of the plant during testing, inspection, operation maintenance, cleaning or repair	1	4	4	▪ Trained and competent operator. ▪ Operator assessment to be done. ▪ Unauthorised personnel to be kept clear. ▪ Visual checks. ▪ Grate to remain closed at all times. ▪ Ensure grate cut off switch is working.	▪ Operator ▪ Line hand ▪ Supervisor ▪ Management	1	4	4

UNCONTROLLED

Potential safety hazard		Likelihood	Consequence	Risk rating (Raw)	Control measures	Person responsible	Likelihood	Consequence	Risk rating (Treated)
5	Entanglement of body parts, hair, tools, jewellery, clothing, cleaning brushes etc in moving parts	1	4	4	▪ Trained and competent operator. ▪ Operator assessment to be done. ▪ Unauthorised personnel to be kept clear. ▪ Hopper grate to be in place. ▪ Grate cut off switch to be employed at hopper. ▪ The following PPE to be worn – Lace Up Steel Cap boots, Hi-Vis Vest (orange), Hard Hat, Gloves, Safety Glasses, Long sleeved shirt/pants, Hearing Protection, Dust Mask.	▪ Operator ▪ Supervisor ▪ Management	1	4	4
6	Friction burns due to contact with moving parts, surfaces or materials	2	2	4	▪ Trained and competent operator. ▪ The following PPE to be worn – Lace Up Steel Cap boots, Hi-Vis Vest (orange), Hard Hat, Gloves, Safety Glasses, Long sleeved shirt/pants, Hearing Protection, Dust Mask.	▪ Line hand ▪ Supervisor ▪ Management	2	2	4
7	Accumulation of energy inside machinery (liquids/gas under pressure, vacuum, elastic energy)	1	2	2	▪ Daily visual check for external damage.	▪ Operator ▪ Line hand ▪ Supervisor ▪ Management	1	1	1
Mechanical hazards – movement of plant									

GENERIC

	Potential safety hazard	Likelihood	Consequence	Risk rating (Raw)	Control measures	Person responsible	Likelihood	Consequence	Risk rating (Treated)
8	Plant instability - tipping or rolling over	3	5	15	▪ Trained and competent operator. ▪ Operator assessment to be done. ▪ Unauthorised personnel to be kept clear. ▪ Level firm ground. ▪ Correct use of outrigger timbers and pads. ▪ Outriggers on working side to be fully extended. ▪ Refer to Pump operations manual. ▪ Refer to Wallace Concrete Pumping SWMS. ▪ Pre-start checks. ▪ Daily, monthly & yearly checks. ▪ Geo-tech reports on ground stability to be done.	▪ Operator ▪ Line hand ▪ Supervisor ▪ Management	1	5	5
9	Material falling from, or ejected by plant	1	5	5	▪ Trained and competent operator. ▪ Operator assessment to be done. ▪ Unauthorised personnel to be kept clear. ▪ Refer to Pump operations manual. ▪ Refer to Wallace Concrete Pumping SWMS. ▪ Pre-start checks. ▪ Daily, monthly and yearly checks.	▪ Operator ▪ Supervisor ▪ Management	1	5	5
10	Lack of capacity for the plant to be slowed, stopped or immobilized (emergency stop buttons etc)	1	4	4	▪ Trained and competent operator. ▪ Operator assessment to be done. ▪ Unauthorised personnel to be kept clear. ▪ Refer to Pump operations manual. ▪ Refer to Wallace Concrete Pumping SWMS. ▪ Pre-start checks. ▪ Daily, monthly and yearly checks.	▪ Operator ▪ Supervisor ▪ Management	1	4	4

GENERIC

	Potential safety hazard	Likelihood	Consequence	Risk rating (Raw)	Control measures	Person responsible	Likelihood	Consequence	Risk rating (Treated)
11	Collisions with persons, plant, traffic, structures or objects	2	5	10	▪ Trained and competent operator. ▪ Operator assessment to be done. ▪ Unauthorised personnel to be kept clear. ▪ Obey all site rules and speed limits. ▪ Spotter to be used. ▪ Keep in view of the reversing agitator drivers' mirrors. ▪ Amber flashing beacons. ▪ Reversing alarms to be operational. ▪ Exclusion zone to be established.	▪ Operator ▪ Line hand ▪ Supervisor ▪ Management	1	5	5
12	Uncontrolled or unexpected movement of the plant or its load	1	3	3	▪ Trained and competent operator. ▪ Operator assessment to be done. ▪ Unauthorised personnel to be kept clear. ▪ Pre-start checks. ▪ Daily, monthly and yearly checks.	▪ Operator ▪ Supervisor ▪ Management	1	3	3
13	Unauthorised access, vandalism, sabotage and operation	1	3	3	▪ Trained and competent operator. ▪ Maintain situational awareness. ▪ Unauthorised personnel to be kept clear. ▪ Setup and park in designated area. ▪ Isolate when not in operation. ▪ Unauthorised persons to be stopped and questioned if near plant. ▪ Ensure contact with site security.	▪ Operator ▪ Supervisor ▪ Management	1	3	3
14	Uncontrolled or unexpected movement of the plant	2	3	6	▪ Trained and competent operator. ▪ Operator assessment to be done. ▪ Unauthorised personnel to be kept clear. ▪ Pre-start checks. ▪ Daily, monthly & yearly checks.	▪ Operator ▪ Line hand ▪ Supervisor ▪ Management	1	3	3

GENERIC

	Potential safety hazard	Likelihood	Consequence	Risk rating (Raw)	Control measures	Person responsible	Likelihood	Consequence	Risk rating (Treated)
15	Damage to working surfaces by plant movement	1	3	3	▪ Trained and competent operator. ▪ Operator assessment to be done. ▪ Unauthorised personnel to be kept clear. ▪ Obey all site rules and speed limits. ▪ Plant only to be driven on approved routes. ▪ VMP to be adhered to.	▪ Operator ▪ Supervisor ▪ Management	1	3	3
16	Moving objects due to plant parts or work pieces failing	1	3	3	▪ Trained and competent operator. ▪ Unauthorised personnel to be kept clear. ▪ Pre-start checks. ▪ Daily, monthly and yearly checks.	▪ Operator ▪ Supervisor ▪ Management	1	3	3
Mechanical hazards – struck by falling objects / ejected materials									
17	Loss of contents or load from plant	3	4	12	▪ Trained and competent operator. ▪ Pipe checks to be undertaken. ▪ Pressure relief valve to be installed to minimise pressure building in pipeline. ▪ The following PPE to be worn – Lace Up Steel Cap boots, Hi-Vis Vest (orange), Hard Hat, Gloves, Safety Glasses, Long sleeved shirt/pants, Hearing Protection, Dust Mask.	▪ Operator ▪ Supervisor ▪ Management	2	4	8
18	Sharp or flying objects	3	4	12	▪ Trained and competent operator. ▪ Pipe checks to be undertaken. ▪ Pressure relief valve to be installed to minimise pressure building in pipeline. ▪ The following PPE to be worn – Lace Up Steel Cap boots, Hi-Vis Vest (orange), Hard Hat, Gloves, Safety Glasses, Long sleeved shirt/pants, Hearing Protection, Dust Mask.	▪ Operator ▪ Supervisor ▪ Management	2	4	8

CONTROLLED

	Potential safety hazard	Likelihood	Consequence	Risk rating (Raw)	Control measures	Person responsible	Likelihood	Consequence	Risk rating (Treated)
19	Plant or loads moving (falling) due to power loss or plant failure	3	5	15	▪ Trained and competent operator. ▪ Service & maintenance. ▪ Hydraulic holding valves to be in place on all hydraulic rams. ▪ Pre-start checks. ▪ Daily, monthly & yearly checks.	▪ Operator ▪ Supervisor ▪ Management	2	5	10
Mechanical hazards / hazardous events									
20	Overloading of plant	1	5	5	▪ Trained and competent operator. ▪ Service & maintenance. ▪ Deliver hose requirements to adhere to pump operations manual and relevant standards. ▪ Heavy Vehicle National Law mass requirements to be adhered to.	▪ Operator ▪ Line hand ▪ Supervisor ▪ Management	1	5	5
21	Plant collapsing	2	5	10	▪ Trained and competent operator. ▪ Operator assessment to be done. ▪ Unauthorised personnel to be kept clear. ▪ Level firm ground. ▪ Correct use of outrigger timbers and pads. ▪ Outriggers on working side to be fully extended. ▪ Refer to Pump operations manual. ▪ Refer to Wallace Concrete Pumping SWMS. ▪ Pre-start checks. ▪ Daily, monthly and yearly checks. ▪ Geo-tech reports on ground stability to be done	▪ Operator ▪ Supervisor ▪ Management	1	5	5

GENERIC

	Potential safety hazard	Likelihood	Consequence	Risk rating (Raw)	Control measures	Person responsible	Likelihood	Consequence	Risk rating (Treated)
22	Location of plant in workplace and/or proximity to other hazards (i.e. traffic movement, obstacles etc.)	3	4	12	▪ Set up in designated areas. ▪ Obey all site rules and speed limits. ▪ VMP to be adhered to. ▪ Flashing amber lights to be operational. ▪ Exclusion zone to be established. ▪ Spotter to be used. ▪ Reflectors to be in serviceable condition. ▪ Trained and competent operator. ▪ Refer to Wallace Concrete Pumping SWMS.	▪ Operator ▪ Line hand ▪ Supervisor ▪ Management	2	4	8
Chemical or biological									
23	Contact with harmful fluids or inhalation of gases, mists, vapors, dusts etc.	1	3	3	▪ Trained and competent operator. ▪ Catalytic converters to be fitted if working in confined spaces. ▪ Adequate ventilation. ▪ Flexible extension pipe on exhaust when needed.	▪ Operator ▪ Supervisor ▪ Management	1	3	3
Pressure									
24	Contact with fluids or gas under pressure as part of normal operation, failure or misuse	2	2	4	▪ Weekly visual checks of hydraulic hoses. ▪ The following PPE to be worn – Lace Up Steel Cap boots, Hi-Vis Vest (orange), Hard Hat, Gloves, Safety Glasses, Long sleeved shirt/pants, Hearing Protection, Dust Mask ▪ Regular service and maintenance. ▪ Unauthorised personnel to be kept clear.	▪ Operator ▪ Supervisor ▪ Management	1	2	2
25	Striking due to severed, ruptured or failed high pressure hoses/couplings	3	4	12	▪ Daily visual checks of delivery hoses. ▪ The following PPE to be worn – Lace Up Steel Cap boots, Hi-Vis Vest (orange), Hard Hat, Gloves, Safety Glasses, Long sleeved shirt/pants, Hearing Protection, Dust Mask. ▪ Unauthorised personnel to be kept clear.	▪ Operator ▪ Supervisor ▪ Management	1	3	3

GENERIC

	Potential safety hazard	Likelihood	Consequence	Risk rating (Raw)	Control measures	Person responsible	Likelihood	Consequence	Risk rating (Treated)
Electrical hazards									
26	Contact with or proximity to live electrical conductors or damaged control devices	2	5	10	▪ Trained and competent operator, specifically in crane and plant electrical safety. ▪ Refer to Wallace Concrete Pumping SWMS. ▪ Spotter to be used. ▪ Electrical warning decal on plant. ▪ Operator to be familiar with Workcover guide on working near overhead power lines.	▪ Operator ▪ Supervisor ▪ Management	1	5	5
Explosion / fire									
27	Ignition of flammable atmosphere or material by plant, process or materials	1	3	3	▪ Undercarriage of truck to be kept clean and free of weeds, grasses and rubbish that might become lodged underneath.	▪ Operator ▪ Line hand ▪ Supervisor ▪ Management	1	3	3
Slips / Trips / Falls									
28	Uneven, steep or slippery work surfaces on the plant	2	4	8	▪ Anti-skid plate to be used. ▪ The following PPE to be worn – Lace Up Steel Cap boots, Hi-Vis Vest (orange), Hard Hat, Gloves, Safety Glasses, Long sleeved shirt/pants, Hearing Protection, Dust Mask	▪ Operator ▪ Line hand ▪ Supervisor ▪ Management	1	4	4
29	Access (ladders, stairs, walkways) to and from the plant	2	4	8	▪ Anti-skid plate to be used. ▪ The following PPE to be worn – Lace Up Steel Cap boots, Hi-Vis Vest (orange), Hard Hat, Gloves, Safety Glasses, Long sleeved shirt/pants, Hearing Protection, Dust Mask	▪ Operator ▪ Line hand ▪ Supervisor ▪ Management	1	4	4
Suffocation / Atmospheric contamination									

CONTROLLED

	Potential safety hazard	Likelihood	Consequence	Risk rating (Raw)	Control measures	Person responsible	Likelihood	Consequence	Risk rating (Treated)
30	Exposure to exhaust fumes	3	3	9	▪ Trained and competent operator. ▪ Catalytic converters to be fitted if working in confined spaces. ▪ Adequate ventilation. ▪ Flexible extension pipe on exhaust when needed.	▪ Operator ▪ Supervisor ▪ Management	2	3	6
31	Confined spaces associated with the plant	3	3	9	▪ Trained and competent operator. ▪ Catalytic converters to be fitted if working in confined spaces. ▪ Adequate ventilation. ▪ Flexible extension pipe on exhaust when needed.	▪ Operator ▪ Supervisor ▪ Management	2	3	6
Working environment and ergonomics									
32	Inadequate lighting levels	3	3	9	▪ Site to provide artificial lighting. ▪ Spotter to be used.	▪ Operator ▪ Supervisor ▪ Management	2	3	6
33	Glare from artificial light or natural light	4	3	12	▪ The following PPE to be worn – Lace Up Steel Cap boots, Hi-Vis Vest (orange), Hard Hat, Gloves, Safety Glasses, Long sleeved shirt/pants, Hearing Protection, Dust Mask Appropriate positioning of personnel.	▪ Operator ▪ Line hand ▪ Supervisor ▪ Management	2	3	6
34	Placement and identification of controls	2	3	6	▪ Trained and competent operator. ▪ All controls to be clearly labelled.	▪ Operator ▪ Supervisor ▪ Management	1	3	3
35	Human error or behaviour aspects (Human factors)	2	4	8	▪ Trained and competent operator. ▪ Operator assessment to be done.	▪ Operator ▪ Supervisor ▪ Management	1	4	4

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	Potential safety hazard	Likelihood	Consequence	Risk rating (Raw)	Control measures	Person responsible	Likelihood	Consequence	Risk rating (Treated)
36	Noise levels > Exposure Standard 85dB(A) or a peak sound level > 140dB(C)	4	2	8	▪ The following PPE to be worn – Lace Up Steel Cap boots, Hi-Vis Vest (orange), Hard Hat, Gloves, Safety Glasses, Long sleeved shirt/pants, Hearing Protection, Dust Mask Appropriate positioning of personnel.	▪ Operator ▪ Supervisor ▪ Management	1	2	2
37	Rain or moisture	5	3	15	▪ Anti-skid plate to be used. ▪ The following PPE to be worn – Lace Up Steel Cap boots, Hi-Vis Vest (orange), Hard Hat, Gloves, Safety Glasses, Long sleeved shirt/pants, Hearing Protection, Dust Mask	▪ Operator ▪ Supervisor ▪ Management	5	1	5
Temperature extremes									
38	Exposure to high or low temperature causing ill health.	1	4	4	▪ Air Conditioning to be serviceable and used to maintain safe temperature.	▪ Operator ▪ Supervisor ▪ Management	1	4	4
39	Contact with hot or cold plant components or materials	1	4	4	▪ Trained and competent operator. ▪ Unauthorised personnel to be kept clear.	▪ Operator ▪ Supervisor ▪ Management	1	2	2
Condition and suitability of plant									
40	Age and condition	1	5	5	▪ Regular inspections, service & maintenance.	▪ Operator ▪ Supervisor ▪ Management	1	5	5
41	Poor service and maintenance	1	5	5	▪ Regular inspections, service & maintenance. ▪ Service records to be given to customers.	▪ Operator ▪ Supervisor ▪ Management	1	5	5

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	Potential safety hazard	Likelihood	Consequence	Risk rating (Raw)	Control measures	Person responsible	Likelihood	Consequence	Risk rating (Treated)
42	Frequency of use (high or low use or inappropriate duty cycle)	1	3	3	▪ Regular inspections, service & maintenance. ▪ Service records to be given to customers.	▪ Operator ▪ Supervisor ▪ Management	1	3	3
43	Accessories in unsafe condition	2	3	6	▪ Daily visual inspection. ▪ Lines and pipes to be ultrasonically tested.	▪ Operator ▪ Line hand ▪ Supervisor ▪ Management	1	3	3
System of work relating to the plant									
44	Emergency procedures relating to the plant	2	3	6	▪ Emergency stop buttons (4) to be placed around plant. ▪ Controls that revert back to neutral when released.	▪ Operator ▪ Supervisor ▪ Management	1	3	3
45	Communication methods with plant operation	2	2	4	▪ Trained and competent operator. ▪ Radios in good working order and charged.	▪ Operator ▪ Line hand ▪ Supervisor ▪ Management	1	2	2
46	Start up and shut down procedures	1	3	3	▪ Trained and competent operator. ▪ Refer to Wallace Concrete Pumping SWMS.	▪ Operator ▪ Supervisor ▪ Management	1	3	3

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ENDORSEMENT

The risk assessments in this document have been compiled taking into account all relevant information contained in the operations and maintenance manuals issued by the original equipment manufacturers (OEM) a well as Australian Standards, relevant legislation and guides.

It has been compiled in consultation with plant operators, maintenance staff and health and safety representatives.

03/09/2026

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Stephen Wallace Date

03/09/2026

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Rebecca Wallace – OSH Representative Date

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For more information about these risk assessments, contact:

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ANNEXURE A KNOWLEDGE DOCUMENT: PLANT RISK ASSESSMENTS

Identifying hazards involves finding all of the things and situations that could potentially cause harm to people.

Hazards associated with plant generally arise from:

- The plant itself, for example hazards associated with a forklift would include hazards relating to its mobility, its electrical, hydraulic and mechanical power sources, moving parts, load-carrying capacity and operator protection.
- How and where the plant is used. The forklift, for example may have hazards arising from the kind of loads it is used to lift, the size of the area in which it is used and the slope or evenness of the ground.

Inspecting the plant

Inspect each item of plant in your workplace and observe how it is used. Talk to your workers and their health and safety representatives to find out what their experience is with the plant they operate, inspect or maintain.

If you have hired or leased plant, you should also consult the person who owns the plant about potential hazards, because you both have responsibility for ensuring that the plant is safe and without risk to health and safety.

When identifying hazards, you should think about all the activities that may be carried out during the life of the plant at your workplace, such as installation, commissioning, operation, inspection, maintenance, repair, transport, storage and dismantling.

For each of these activities, you should consider whether the plant could:

- cause injury due to entanglement, falling, crushing, trapping, cutting, puncturing, shearing, abrasion or tearing
- create hazardous conditions due to harmful emissions, fluids or gas under pressure, electricity, noise, radiation, friction, vibration, fire, explosion, moisture, dust, ice, hot or cold parts; and
- cause injury due to poor ergonomic design, for example if operator controls are difficult to reach or require high force to operate.

Review safety information

Information about hazards, risks and control measures relating to plant in your workplace can be obtained from:

- manufacturers, importers or suppliers of the plant
- maintenance technicians or specialists such as engineers
- your workers
- WHS regulators, unions and other organisations
- businesses or undertakings similar to your own, and
- technical standards.

A risk assessment involves considering what could happen if someone is exposed to a hazard combined with the likelihood of it happening. A risk assessment can help you determine:

- how severe a risk is
- whether existing control measures are effective
- what action you should take to control the risk, and
- how urgently the action needs to be taken.

To assess the risk associated with plant hazards you have identified, you should consider the following:

What is the potential impact of the hazard?

- How severe could an injury or illness be? For example, lacerations, amputation, serious or fatal crushing injury, burns or loss of hearing.
- What is the worst possible harm the plant hazard could cause?

How likely is the hazard to cause harm?

- Is it highly likely or unlikely to happen?
- How frequently are workers exposed to the hazard? For example, if plant is used constantly with five operators per shift and three 8-hour shifts and there is a lack of high-level control measures, the risk will increase compared to the occasional use by a single operator.

The ways of controlling risks associated with plant are ranked from the highest level of protection and reliability to the lowest. This ranking is known as the hierarchy of risk control. The WHS Regulations require duty holders to work through this hierarchy to choose the control that most effectively eliminates or, where that is not reasonably practicable, minimises the risk in the circumstances.

In many cases, a combination of control measures will provide the best solution. For example, protecting workers from flying debris when using a concrete cutting saw may involve guarding the blade, isolating the work area and using PPE such as a face shield.

The control measures that are implemented must be reviewed and, if necessary, revised to make sure they work as planned and that no new hazards have been introduced by the control measures. You should consult your workers to obtain feedback on the plant and work processes being used.

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