Tharbogang Waste Management Centre

Hillside Drive, Tharbogang NSW 2680

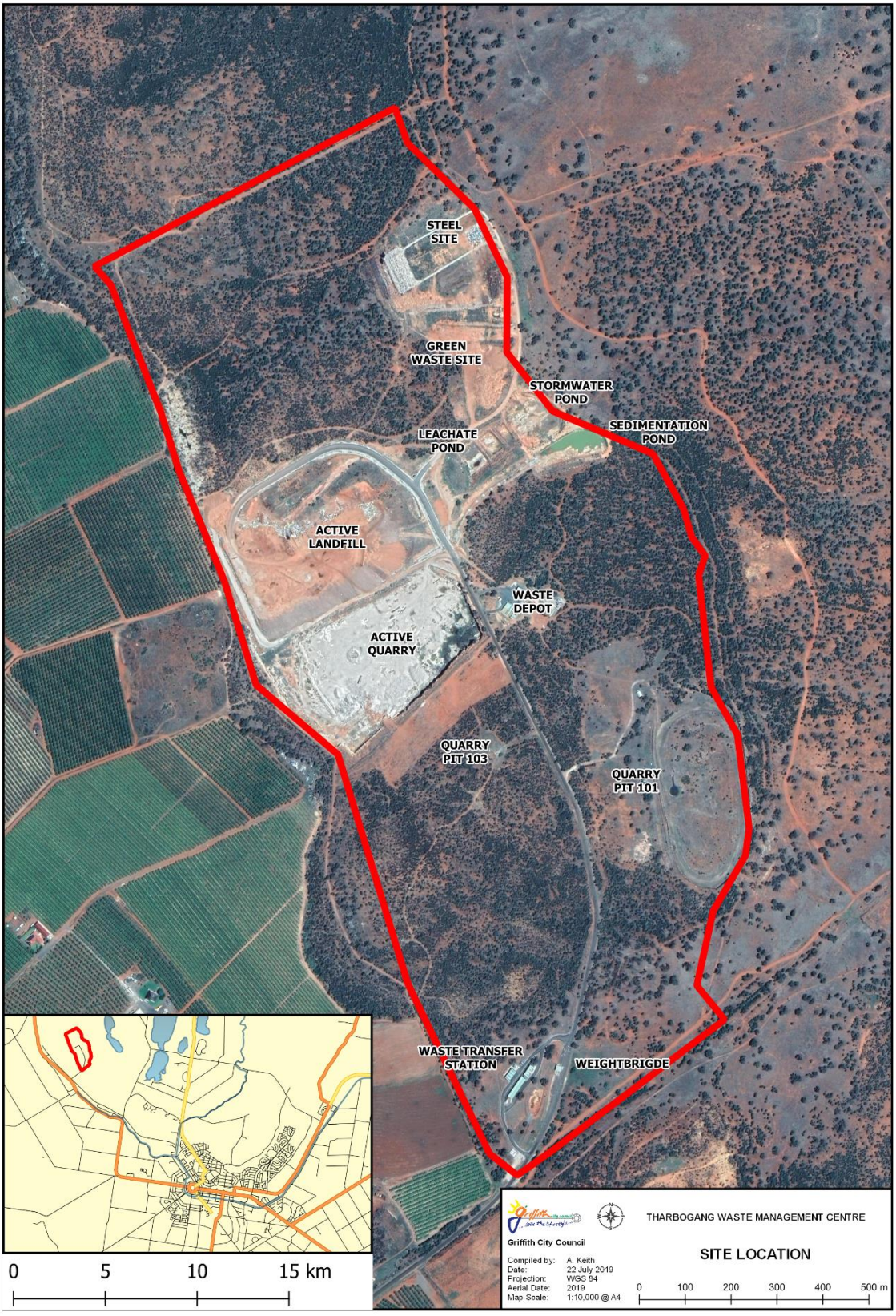
PRE-INCIDENT PLAN (FIRE)



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Locality Map for Tharbogang Waste Management Centre



Location of Filling Points at Tharbogang Waste Management Centre



Tank 5 Details

Site:	Landfill Access Rd
Capacity:	22500ltrs
Filling Method:	Pump constant pressure
Fittings:	2 inch camlock
Isolation Valve:	2



Photo showing Camlock fitting



Photo showing Isolation valves on feeder main and filling pipe



Tank 6 Details

Site:	Near steel site
Capacity:	22500ltrs
Filling Method:	Pump constant pressure
Fittings:	2 inch camlock
Isolation Valve:	1



Photo showing Camlock fitting



Photo showing Isolation valve on filling pipe



Water Tanks 7 & 8

Site:	Waste Transfer Station
Capacity:	2 x 10,000 ltr
Filling Method:	Storm Waste Run off from WTS structures
Fittings:	65mm storz on each tank
Isolation Valve:	Nil



Photo of flushing point



Photo of 65mm storz fitting



Water Main Pressure test

The pressure tests were done in September 2014.

Results:

Maximum Pressure	425 kpa
Minimum Pressure	220 kpa

Fire Hydrant Locations
Tharbogang Waste Management Centre
(and distances between)



Photo of Hydrant at the end of the main which will most likely be “shipped” by the RFS or NSW FB

Hydrant 5

Asset id - PHY02387 taken from mapping



Hydrant 4

Asset id - PHY02386



Hydrant 3

Asset Id-PHY02385



Hydrant 2

Asset Id- PHY02384

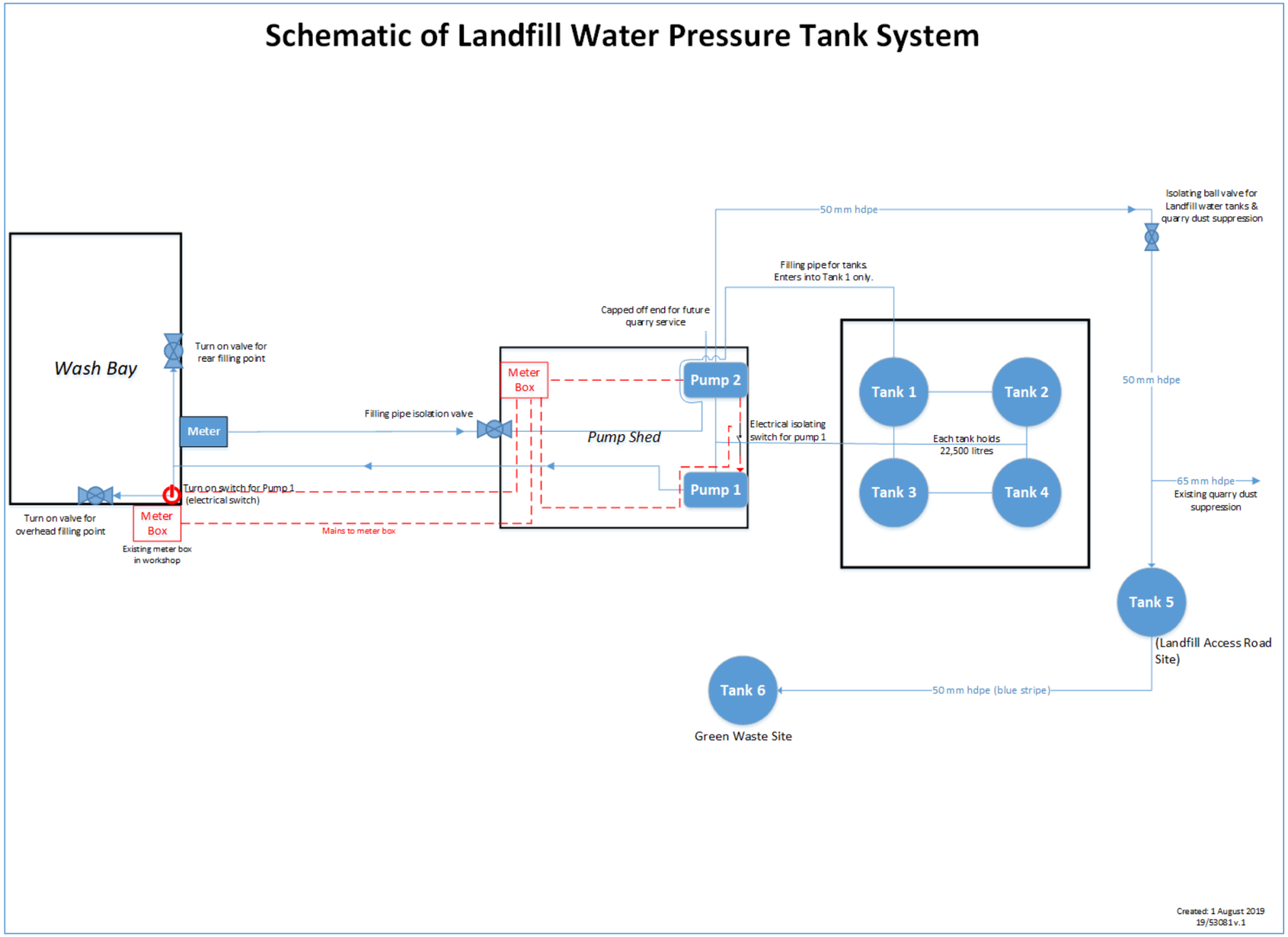


Hydrant 1

Asset Id- PHY02383



ATTACHMENT 1: Schematic of Landfill Water Pressure Tank System



ATTACHMENT 2: Work Instruction for Filling Up Water Cart

WORK INSTRUCTION
(Blanks not to be photocopied. Print direct from TRIM)
(Printed on 01-Nov-19 at 12:11)

(WM-WI-016) Filling the Water Cart

Reminders
See tools & materials list | Related PPMs | Types of protection | Special note | Additional person(s) required | Warning note

Overview **Instructions & Explanations**

Pre-Start Checks

Before filling commences, ensure the following procedures have been undertaken:

- Remove the covers off the pump and monitor.
- Check diesel tank is full (located in front of tank).
- Check oil is at optimum level.
- Put the key into the ignition.
- Ensure that the suction hoses for the water tanks and channel are on the unit.
- Load tank unit onto hook lift truck.


Diesel Tank

CHOOSE THE FILLING METHOD FROM THE OPTIONS BELOW:

1. Filling from the Rear (20 minutes)
2. Filling from Overhead (20 minutes)
3. Filling from the Channel (12 minutes)
4. Filling from the Water Tanks (12 minutes)

Filling from the Rear (Approximately 10,000 litres in 20 minutes)

1.1 Reverse the hook lift truck into the wash bay and connect the delivery hose. ☐1
1.2 Turn on the pump switch (see photo below).
1.3 Turn the delivery valves on at the wall and at the water cart.
1.4 Disconnect the delivery hose and place back on the wall.
1.5 Turn off the pump switch (see photo below).

Filling from Overhead (Approximate filling time is 20 minutes)

1.6 Reverse the hook lift truck into the wash bay, lining up the overhead filling hose with the tank funnel. ☐2
1.7 Lower the filling hose by turning the winder anti-clockwise to lower the pipe until it is inside the funnel. ☐3
1.8 Turn on the pump switch (see photo below).
1.9 Turn on delivery valve to overhead unit. ☐4
1.10 Once the tank is filled, turn off the delivery valve ☐4 and raise the filling hose by turning the winder clockwise.
1.11 Turn off the pump switch (see photo below).


Pump turned ON.


Pumped turned OFF.


Water Level Indicator

☐1 Connect Delivery Hose



☐2 Position under Filling Hose



☐3 Winder -



Turn clockwise to RAISE pipe

Turn anti-clockwise to LOWER pipe.



☐4 Delivery Valve for Overhead Filling



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(WM-WI-016) Filling the Water Cart

Filling from the Water Tanks (Approximate filling time is 12 minutes)

1.1 Remove the GREY filling hose from the cradle in the flat bed tray.
1.2 Connect hose to water tank and water cart. ☐5
1.3 Open the valve at base of tank.
1.4 Open the valves on the water tank - as shown in photo ☐6.
1.5 To start sucking up water, on the Suction Valve Control push the toggle switch UP until the light turns GREEN. ☐7
1.6 To increase the speed of the pump, twist the throttle knob clockwise: to reduce the speed of the pump twist throttle knob anti-clockwise. ☐8
1.7 To stop sucking up water, first turn rev's down by twisting the throttle knob clockwise, then depress the toggle switch on the Suction Valve Control until the light turns RED. ☐9
1.8 Disconnect hose from water tank and water cart.
1.9 Return hose to the cradle in the flat bed tray.

☐5 Hose Connection to Water Tank



☐6 Open Valve Configuration to Fill Water Cart



☐7 To Turn Suction Valve ON, Push UP the Toggle Switch



☐8 Reduce rev's by twisting throttle knob clockwise



☐9 To Turn Suction Valve OFF, Press DOWN the Toggle Switch.



(WM-WI-016) Filling the Water Cart

Filling from the Channel (Approximate filling time is 12 minutes)

1.10 ⚠ Operator must access a suitable site via Slopes Road and Kidman Way. Go down Slopes Road so you can turn in to the fill up bay. ☐10 ☐11

1.11 Remove the BLACK filling hose from the cradle in the flat bed tray.

1.12 Connect to water cart and place strainer end in channel so that the strainer will constantly under water ☐12

1.13 To start sucking up water, on the Suction Valve Control push the toggle switch UP until the light turns green. ☐7

1.14 The operator must "jiggle" the suction hose initially to aid in priming, while the hose is in the channel, to commence the sucking process.

1.15 To increase the speed of the pump, twist the throttle knob clockwise: to reduce the speed of the pump twist throttle knob anti-clockwise. ☐8

1.16 To stop sucking up water, first turn rev's down by twisting the throttle knob clockwise, then depress the toggle switch on the Suction Valve Control until the light turns red. ☐9

1.17 Disconnect hose from water cart and remove excess water.

1.18 Secure the hose in the cradle on the flat bed tray.

1.19 ⚠ When completed, you MUST straighten up the truck so you can see oncoming traffic and traffic from behind. Do not exit from the intersection directly behind and to the left hand side.

When Finished

1.20 Remove tank unit from hook lift truck.

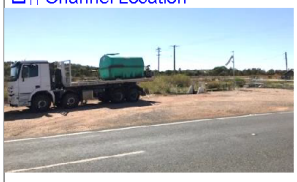
1.21 Replace covers over motor and monitor.

1.22 Remove key and put back in key lock box located in tool lock-up.

☐10 **Access to Channel Filling Bay**



☐11 Channel Location



☐12 Filling up at channel with suction hose



WORK INSTRUCTION
(Blanks not to be photocopied. Print direct from TRIM)
(Printed on 01-Nov-19 at 12:11)

(WM-WI-016) Filling the Water Cart

PPE Required	Tools & Materials
▪ Appropriate PPE – gloves, safety boots. ▪	▪ Hook Lift Truck ▪ Fire Monitor ▪ Water supply – rear, overhead, channel, water tanks ▪ Keys
✓Pre-Checks (Thing to Check Before)	**☑ Checklist (Things to Check During)**
▪ WM-SW-477 Operation of Hook Lift Truck ▪ WM-WI-013 Operation of Monitor (Fire Cannon) ▪ WM-SW-479 Operation of Monitor (Fire Cannon)	▪
✓Post-Checks(Things to Check After)	**Information Details**
▪ Keys have been returned to key box. ▪ Cover has been placed on pump and motor.	
(Additional Person(s) Required)	
▪ 2 people required??	

I have read the above work instruction:		
Name	**Signature**	**Date**
Cameron Grant		
Owen Bowen		
Shane Gaffey		
Marc Meehan		
Joe Aramini		
Josh Scarfo		
Dom Catanzariti		

ATTACHMENT 3: Work Instruction for Operation of Monitor (Water Cannon)

(WM-WI-013) Operation of Monitor (Water Cannon)

Special Reminders	Procedure Overview	Instructions & Explanations
PPE - See page 2 for a list of symbols No smoking Warning Additional person(s) required □1 Picture on front side ⌖1 Enlarged picture on reverse side Obtain all tools & materials listed on reverse side 1 Add in Title (& Reference) of any related forms 1 (WM-SW-477) Operation Of Hook Lift Truck 2 (WM-WI-016) Filling of Water Cart	**1 Pre-Start Check**	Before loading onto the hook lift truck: 1.1 Undertake plant pre-start check. 1.2 Check diesel tank is full (located in front of tank). ⌖1 1.3 Check oil is at optimum level. 1.4 Remove cover off engine. 1.5 Remove cover off monitor.
	2 Loading and Filling	2.1 See Work Instruction **(WM-WI-016) Filling of Water Cart** for instructions on filling the water cart from the rear, overhead, channel or water tanks.
	3 Using the Monitor	3.1 Grab the remote control out of the cab. 3.2 Turn on the unit by pressing AUX on the remote control. Lights will turn on. □1 3.3 Turn pump motor on to 1st glow motor (GL for approximately 4 seconds) then start pump motor by turning key to ST position. 3.4 Turn on monitor valve by pressing toggle switch up for 15 seconds until the light is green. □2 3.5 Pull throttle to provide pressure to monitor unit. □3 At full pressure it will take a minimum of **15 minutes** to empty the tank.
	4 Shutdown procedure	4.1 Water pressure reducing indicates low water level in tank. 4.2 Reduce engine rev's by twisting throttle knob clockwise. □3 4.3 Turn off monitor valve by holding down toggle switch until the light is RED □5 4.4 Turn engine off by turning key anti-clockwise to the OFF position. □4 4.5 Turn off remote control (AUX button) and replace in the cradle in cab. □1 4.6 Remove tank unit from Hook Lift truck. 4.7 Replace covers over motor and monitor. 4.8 Remove key and put back in key lock box located in tool lock-up. □6

□1 3.2 AUX button and lights



□2 3.4 Turning on monitor valve.



□3 3.6 Throttle - pull & twist



□4 4.3 OFF Position



□5 4.4 Hold down toggle switch.



Approved: Waste Operations Manager	Group/System: Waste Operations	Document ID: (WM-SW-013)		Version: 2
Relevant To: TWMC Staff	Date Issued: 21/1/19	Revised: ----	Status: Approved	Page 1 of 3

1 Diesel Tank



Photo of pump unit



6 4.8 Key Lock Box





People carrying out steps print and sign names:

Cameron Grant:- **Owen Bowen:-** **Marc Meehan:-**

Shane Gaffey:- **Joe Aramini:-** **Josh Scarfo:-**

Dom Catanzariti:-

(WM-WI-013) Operation of Monitor (Water Cannon)

Pre-Checks (Things to check before starting this process)

Before loading onto the hook lift truck:

- ☐ Check diesel tank is full.
- ☐ Check oil is at optimum level.

Tools & Materials Required

Description	Step
☐ Hook lift truck ☐ Fire monitor	

People (Who are required or need to be notified at any stage)

☐ Refer to (WM-WI-016) Filling of Water Cart

Customisable (use this space for any information you need)

☐ xx

List Plant / Equipment / PPE required for this activity

Gloves  Foot Protection  Protective Clothing  Eye protection 

Equipment / Maintenance Checks required for this Activity	Engineering Certificates / Permits / Approvals required for this Activity (e.g. road closure, utility shutdown, Workcover notification)	
Pre Operational Checklist	Type:	Reference Document: