



Document Owner: Manager Customer Planning

Flooding Incident Response Maintenance Procedure

Procedures for responding to a flooding incident.

Health & Safety and Operational Information



Health and Safety Information	Operation's & Maintenance Documentation	
 Health and Safety documentation. Generic Traffic Management Plans or site-specific Traffic Management plan. Hazardous Waste Confined Space Entry Harness and rope for flooded areas Procedure for working in deep water 	 Corridor Access Requests (CAR) and WIP Permits (site specific or generic/global) Service plans (B4uDig) Design drawings Site plans Notification Calling Cards 	
Customer Information (Confidential)	Priority Customer Categories	
 Vulnerable customers (DHB supplied list) Priority customers (WWL) 	 Schools and Childcare Commercial premises Hospitals Retirement Homes/Villages Correction Facilities Military Installations Oil and Gas Refinery Known properties susceptible to flooding 	
Emergency Procedure / Escalation	Additional Documentation	
 Emergency In event of service strike to utility/energy source (e.g., fuel, Gas, Power, Water etc.) report immediately to team leader Make "Site Safe" and isolate risks to people or property with resources at hand 	 Flood response manuals such as retention dams, penstock operational manuals, etc Vulnerable areas often referred as hot spots and the associated contingency plans/processes to mitigate the event, such as pump set up, etc. 	
Escalate if extra resources required or problems occur! - Escalate to Team Leader or incident response team		

and inform of the issues faced and/or expected resources required if necessary.

Required Skills, Competencies (Qualifications and/or Certifications)

Competent persons only





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Standard Operating Procedure

Required Equipment

Equipment and Information	Details
Vehicle	Ensure vehicle is fit for purpose – able to negotiate flooded streets and significant ponding
Fully Equipped Vehicle	Ensure vehicle, plant, equipment, and materials appropriate to the day's work schedule is
	available
Vulnerable & Priority List	Vulnerable and priority Customers Lists.
Specialist Equipment	Sandbags, pumps, and associated equipment. Harness and rope PPE gear specific to
	working in deep or moving water

Prepare to do the work

ing responses may require access into private property or other restricted areas and may need specific entry requirements or needs to be covered under a 3 rd policy or induction process. eet there to be a right of access without complying with formalities when rivate property. It traffic delays, possible flooded and/or closed roads, detours, or limited access the Daily Pre-Start - Planning Reactive Maintenance Tagement Plan - Where required, TMP to be in place prior to work starting. TMP sible on site. on the day may restrict Traffic Management to a static mobile operation using vailable at that time. source of the flood waters if not immediately apparent. Pad embedded GIS to locate all network manholes, inlets and outlets, valves,
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nd pipework.
restrictions / blockages downstream to open free flowing network and
o determine location source of flood waters.
located from the potable water network turn off supply source and implement
riate SOP to deal with the issue.
ork or catchment is overwhelmed, then consider best option to make safe.
ers are sourced from the wastewater network assess the situation and
f an overflow has occurred and the potential cause of the issue.
been an overflow caused by the blockage or by a network surcharge implement vater Overflow SOP.
om a wastewater blockage undertake the tasks as per Manual Blockage
OP.
tion meets the criteria for a wastewater overflow immediately inform your
and then commence repair and service restoration operations.
e of the flooding can be identified prioritise actions or remedial works to clear
e or actions to minimise property damage.
ork or catchment is overwhelmed, then consider best option to make safe.
s are flooded, or have the potential to be flooded prioritise, minimise of
the property.
s are flooded, or have the potential to be flooded report to Team Leader or
pages team to prioritics escalation and possible evaluation
ponse team to prioritise escalation and possible evacuation.





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Perform the work

Action	Trade	Action Details
Maintenance	Serviceperson	Undertake all tasks required in the Pre-Start - Planning for Reactive Maintenance.
Health and	Serviceperson	Protect members of the public.
Safety		
Photograph	Serviceperson	Photograph site and all flooded properties etc. if practicable prior to commencing
		mitigation works
Maintenance	Serviceperson	If flooding source is from potable water network immediately act to turn off supply source
		and implement the appropriate SOP to deal with the issue.
Maintenance	Serviceperson	Clear intakes / outlets, if possible, to restore flow paths
		Implement Intake Clearance SOP
Maintenance	Serviceperson	Install flow diversions to either redirect flow or reduce impact to property whether flooded
		or threatened with flooding
Maintenance	Serviceperson	If required install dams / barriers and sandbags etc to prevent further flooding to
		properties as required
Maintenance	Serviceperson	On successful mitigation, commence site clean-up.
		Remove debris from site and affected areas, ensure all installed dams / barriers and
		sandbags are removed
Maintenance	Serviceperson	A visual inspection of the site must be carried out to ensure site is safe and free draining
Report	Serviceperson	On completion of the response, complete the Survey 123 Flooding report form.
Maintenance	Serviceperson	Perform reinstatement of spillways etc as required.
Additional	Serviceperson	If additional maintenance is uncovered or extra remediation is required, raise a reactive
Works		work order to ensure this work is logged for completion. Generate child work order for the
		work to be undertaken.
Closure	Serviceperson	Carry out work order closure procedures as per Reactive Maintenance - Generic
		Maintenance Procedures