



WI-NZ-4.5.1-03

Drilling into or breaking concrete with handheld tools to a depth of 100mm not in a hazardous area

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Purpose

This document provides a system of work that allows tasks to be completed safely and without unplanned loss of containment with the potential to cause environmental damage or to damage a plant or equipment.

This document supports Control of Works WI-NZ-A-4.5.1-01 for the Task Risk Assessment Table (TRAT) and provides, gives instructions for the drilling into or breaking concrete up to 100mm using hand tools not in a hazardous area, occurring on bp retail New Zealand sites.

Relevant OMS element(s)

OMS 4.5 - Control of Works

Control of work procedures (bp New Zealand Control of Works page)

bp NZ local procedures (bp New Zealand Control of Works page)

Contents

Рι	ırpose	1
	Relevant OMS element(s)	1
1.	Task/Activity Instruction(s)	3
	1.1. Step 1 to 8	
2.	Version Summary	7
3.	Disclaimer	7

List of Tables, Diagrams and Figures

Table 1: Instructions for Drilling into or breaking concrete with hand-held tools to a depth of	f
100mm not in a hazardous area	3
Table 2: Step by step guide to completing work	4
Table 3: Document Version Summary	7

To review changes, refer to the 'Error! Reference source not found.' at the end of this document.

1. Task/Activity Instruction(s)

Table 1: Instructions for Drilling into or breaking concrete with hand-held tools to a depth of 100mm not in a hazardous area

	To all personnel (bp or contractor) who drill into or break concrete with hand-held tools up		
Applies to:	to a depth of 100mm on bp New Zealand retail sites.		
Objective:	To safely drill into or break concrete to a depth of 100mm without the requirement for a		
Objective.	Ground Disturbance Certificate for this routine task at bp New Zealand retail sites.		
	Level 2 Task Risk Assessment- drilling into or breaking concrete with hand-held tools to a		
Risk assessment:	depth of 100mm not in a hazardous area.		
	To be used only by bp accredited contractors, or sub-contractors engaged through a		
	contractor, who is bp accredited to manage sub-contractors.		
	The contractor using the hand tool shall comply with all relevant requirements of bp		
Pre-requisites:	procedures and legislation such as licensing, risk assessment, inspection of the equipment		
rre-requisites.	prior to use, as is applicable to the task. Persons are to complete the Work Clearance		
	Checklist (WCC) associated with the task.		
	Persons performing the task shall be trained and competent in this procedure with training		
	records kept by their employer and available for audit on request.		

Step 1 to 8 1.1.

Table 2: Step by step guide to completing work.

BP OIL NEW ZEALAND WORK CLEARANCE CHECKLIST (v6) e-Waintenance z Company (PCSU) name Job detail JEAUSWINE 195 She safe passport details Section or plumbing certification briver's Ligense / Passport Number Food Handing Area (Kitcher, Rescer, Chiler) 0 GOLDEN PLEES ACTIVITIES MISUNG Will your work involve any ground disturbances HIS/IND Byes, a the Permit is required. This inclusive concrete natting of the fluorescent at a depth of Littlemon greater. Check for sension point is your work areas within in a confined space? Pyre, a 8P Perrist is required. This includes tanks; pits, core top statis requal to or divery than 1.1m, recountions equal to or diverge than 2.1m; nonhales, and endough drain enement, one-resource cours. Your work involve you being at a height where you could fall I'm (6 feet) or more? Yyes, we fall remove. You can include a makin wolfdel, elected and platforefilmed only, bureau yorne, edge protection, etc. HIS/IVO you plan to use a crare or heavy lifting device? 103/11/2 Syes, a SP Arent is required. Do you have a lift plan or agreed lift poundary!

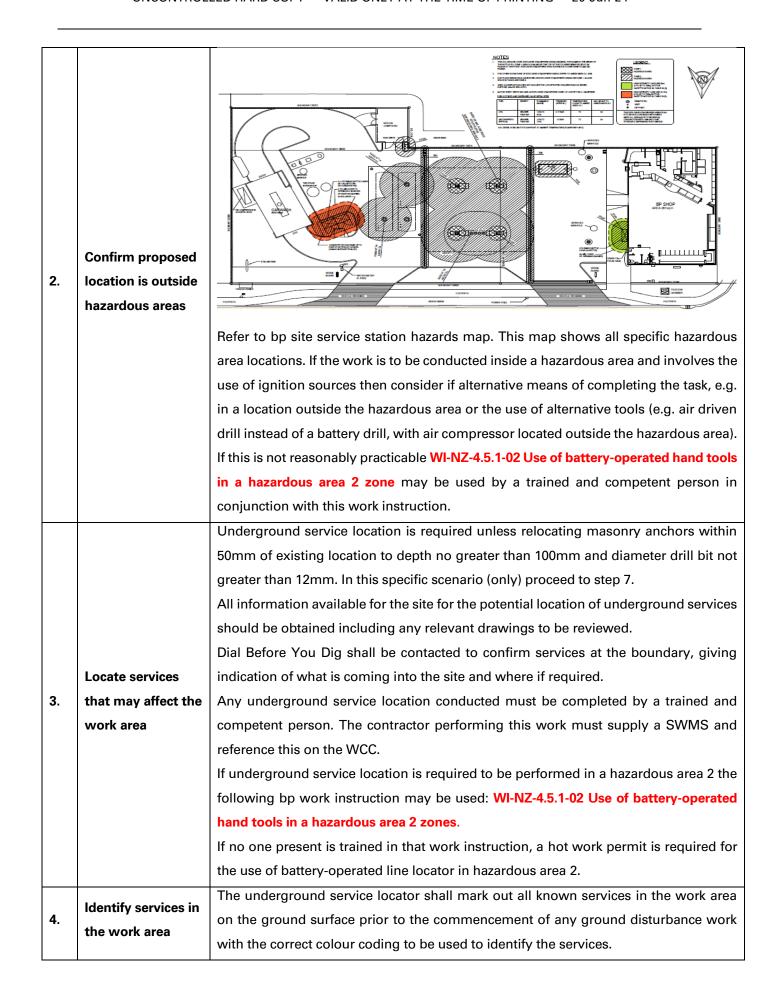
your norsk involve being within the sites Hazardous Area Zone (view the site plan to identify)?

Syes, add-Yesse's inequired, if your west incolves griding and outing botter, took, potential gration source. MIS. FIND ald your work at site obstruct any access or egress in an emergency? HIS/IND ψ_{pq} , consider alternatives. Pits includes entinguishers, excusation comes, assembly area, spill lift our work going to impact the public, our staff, or other constructors around site? 10/10 If yet, what cover, borriers and signs do you need to ware everyone? Discuss your word and housels with there, undestand theirs to oes the contractor need access to the sites restricted areas, e.g. Office, IT&S Systems HIS/ING **Complete Work** FOOD SAFETY REQUIREMENTS (Commission of a food handling area must be solved to bit staff investiga-Will you be carrying out work within any food hundling area (e.g. Kitchen, Freezer, and Chiler)? If yes, Controllor must not have been skill within the lost 46 hours. I have additional correct to prevent find contr HIS/ING Clearance our activities have the potential to affect food safety/suitability/ 10,710 1. **Checklist (WCC)** PERSONAL CONTROLS ADDITIONAL WORK AREA CONTROL on arrival to site er you informed the contractors of the energency procedures for your site? WIN. ee you informed the contractor of deliveries, other work, and site-specific hazards? are you viewed a JSA for this job? is record include distay after mores, job description, and a weistern method for how to DECLARATION Commutae

best of any innovietge I have provided correct information. I understan
militains of work and will comply with the Health and Safety at Work As and Regulations 2015 and associated legislation, and the RP safety or local sales (requirements whilst as-site. Print name: Signature (start of job): Signature (start of job): ignature |end of job |: Signature [end of job]: End firms: Work area handed back safe s. clean? Report to site. WCC to be completed and signed by both contractor and site representative

to authorise the work before work commences.

Insert correct details referencing to this work instruction WI-NZ-4.5.1-03 for drilling into or breaking concrete with hand held tools to a depth of 100mm not in a hazardous area and the risk assessment for your task (your contractor SWMS or JSA which includes all relevant hazards and controls for the work to be undertaken (i.e. public vehicles, 3rd parties, barricading, signage, SIMOPS, etc).



		Visually inspect the work area for services. Even if an underground service locator has		
		been used, some services may have been missed. Look for signage & signs of ground		
		disturbance. Look for services or equipment that may supply them passing through		
		the work area.		
		Typical services present on a bp retail site include: © Electrical power to the site, or mains power through the site.		
		Mains gas supply to the site, or mains supply through the site.		
	Check for other unidentified	Telecommunication cables to, or through the site.		
5.				
	services	Ø bp liquid fuel storage and lines (HDPE, fibreglass or steel) – diesel		
		(combustible) or petrol (flammable).		
		⊗ Sewer lines.		
		○ Communication lines – between Automatic Tank Gauging (ATG) and the		
		console; or between pumps and point of sale (POS) console.		
		Confirm no services are within 0.5m (vertically or horizontally) of the area where the		
		concrete is to be drilled or broken. If there are services within 0.5m, <i>STOP WORK</i> .		
	Confirm no services within 0.5m	Relocate the planned work location to be greater to than 0.5m from the service. If this		
		cannot be done, STOP WORK and contact your bp representative. Further risk assessment		
		is required by a bp authorised Permit Issuing Authority and a Ground Disturbance Certificate may		
6.		be required to be issued.		
		NOTE: This requirement does not apply if relocating masonry anchors within 50mm		
		of existing location to depth no greater than 100mm and diameter drill bit not greater		
		than 12mm. In this specific situation, work can proceed without confirming no services		
		are present within 0.5m.		
		The following hand-held tools may be used under this work instruction to a depth		
		≤100mm:		
		Non powered, non battery-operated hand tools - chisel, hammer, crowbar, hand		
		operated drill, and other similar tools.		
	Use of hand drills	Air powered drill or hammer drill including with a chisel attachment.		
7.	and hand-held	Battery operated drill or hammer drill including with a chisel attachment		
	tools to break concrete	If drilling, the area is to be kept wet for the duration of drilling.		
		The use of jack hammers, concrete saws and other similar types of high impact equipment		
		are not permitted to be used with this work instruction.		
		Authority from bp is required in the form of a Ground Disturbance Certificate and / or		
		Hot Work Permit if in a hazardous area 1 or 2.		

		The operator of the equipment is to wear insulated rubber soled safety footwear in	
		addition to site PPE and any requirements from the contractors SWMS/JSA for the	
		task. This work instruction does not cover the task hazards associated with the activity.	
		These shall be covered by the contractor risk assessment, i.e. SWMS or JSA.	
		Pack up all equipment. Remove debris and make area safe. Report to the site representative	
8.	. End of Work	and sign out the work is complete on the WCC.	
	. Elia oi vvork	If the following day the work is to continue, the complete work instruction shall again	
		be followed commencing at step 1.	

2. Version Summary

Table 3: Document Version Summary

Version	Prepared by	Description of Change	Date	MoC
1	Glenn Dopson	Initial document	30/08/2016	
2	Ian Heath	Revision - no changes made	07/01/2020	
3	lan Heath	Training and competency requirement and minor reference changes	31/01/2021	
4	Ian Heath	Implementation of new M&C-M work instruction template. No changes made to existing work instruction	01/07/2024	22

3. Disclaimer

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