

In case of emergency call:



EXCAVATION WORK PERMIT



Local regulatory requirements will govern if more stringent than those spelled out in this permit. The work governed by this permit must stop if the permit conditions are no longer met. This permit is only valid when all appropriate sections are completed and signed by the appropriate individuals up to and including Hand over (Section 4).

FRCS entry permit added as annex to this permit? 5.2. Has the potential that the space includes any other recognized safety or health hazard that is immediately dangerous to life or health been assessed? Including physical, electrical, mechanical, chemical, biological, radiological, thermal, and structural hazards.		tion 1		al Information		g
Nonck Order or/ and Equipment Specific Procedure number: (if applicable) Permit Requester: (name & Company) Permit Requester (name & Company) Permit Excavation valid from: (date & time) Port (date & time; max. I month) Plant/ department/ area/ zone/ building: Reason for excavating. Work activity description. Nature of work to be undertaken and method of excavating: Attach a detailed sketch or drawing (include location, dimensions of work to be completed, utilities, and grading plans for cut-and-fill work Maximum dimensions Stimated volume of excavated material:	This	permit is linked to:				
Work Order or/ and Equipment Specific Procedure number: (if applicable). Permit Requester: (name & Company). On: (date) Permit Rexavation valid from: (date & time). Permit Rexavation; (date). Permit Rexavation: (date). Permit Rexavat		A General Work Permit		No:		
Permit Requester: (name & Company). On: (date		• An SOP or other written work instruction		Reference:		
Permit Excavation valid from: (date & time)	Wor	k Order or/ and Equipment Specific Procedure	number: (if applicable	e)		
Plant/ department/ area/ zone/ building: Reason for excavating. Work activity description. Nature of work to be undertaken and method of excavating: As built plans, if needed, will be completed by:	Perr	nit Requester: (name & Company)			0	n: (date)
Attach a detailed sketch or drawing (Include location, dimensions of work to be completed, utilities, and grading plans for cut-and-fill work Maximum dimensions Estimated volume of excavated material:	Perr	nit Excavation valid from: (date & time)		To: (date & time	; max. 1	month)
Attach a detailed sketch or drawing (Include location, dimensions of work to be completed, utilities, and grading plans for cut-and-fill work Maximum dimensions Estimated volume of excavated material:	Plan	t/ department/ area/ zone/ building:				
Attach a detailed sketch or drawing (include location, dimensions of work to be completed, utilities, and grading plans for cut-and-fill work Maximum dimensions Length: Contractor	Reas	son for excavating. Work activity description. I	Nature of work to be	undertaken and method	d of exca	vating:
Estimated volume of excavated material:						
Contractor Facilities engineer/ Viasat Project Manager Contractor Facilities engineer/ Viasat Project Manager Cother (Specify): Cothe	Atta	ch a detailed sketch or drawing (Include location			ties, and	grading plans for cut-and-fill work
Length:	Max	rimum dimensions	Estimated volume	of excavated material:		
Section ZA Scope of Work - Potential Hazards & Mitigations	Leng	gth:				
Depth:	Wid	th:	Request soil reuse	as backfill?		
1. Excavation ≤ 0.3m (1ft) depth Mechanical – Complete section 2B Manual =>Take 5 completion/ NO Permit 2. Excavation > 0.3m (1ft) depth? Yes – complete Section 2B No – go to question 2 3. The area in which the excavation will take place potentially includes Underground Services Yes – complete Section 2C No – go to question 3 4. The area potentially contains contaminated soll / old process materials/ chemicals Yes – complete Section 2D No – go to question 4 5. Is there potential risk due to the location of the excavation, 'congested area, near overhead power lines or nearby other structures'? Yes – complete Section 2E No – go to question 5 6. Are Workers, 'Public, Pedestrians/ traffic interfering' with the excavation? Yes – complete Section 2F No – go to question 5 7. Other hazards? Wes – complete Section 2F No – go to question 6 3. Will excavation(s) have a depth > 0.3 m (1ft) and ≤ 1.2 m (4ft)? Yes – go to question 6 3. Will excavation(s) have a depth > 1.2 m (4ft) and ≤ 4 m (12ft)? Yes – go to question 5 4. Will excavation(s) have a depth > 1.2 m (4ft) and ≤ 4 m (12ft)? Yes – go to question 5 4. Has a Certified Civil Engineer completed as stability analysis? Yes – go to question 5 Shape assessed and issues not applicable. Go to question 15 Shape assessed and issues applicable. Go to question 5.2. Has the potential for atmospheric hazards been assessed? No – go to question 5.3. Space assessed and issues applicable. Go to question 5.3. No – go to question 5.3. No – Work shall not proceed No – go to question 5.3. No – go to question	Dep	th:	\	∕es □ No □		
2. Excavation > 0.3m (1ft) depth?	Sec	tion 2A Sco	pe of Work – Pote	ntial Hazards & Mitig	ations	
3. The area in which the excavation will take place potentially includes Underground Services Yes - complete Section 2C	1. Ex	xcavation ≤ 0.3m (1ft) depth	1echanical – Complet	te section 2B	☐ Manu	ual =>Take 5 completion/ NO Permit
1. Will workers be required to enter the excavation(s)?	3. Th4. Th5. Is6. A	ne area in which the excavation will take place	potentially includes Ues — complete Section old process material es — complete Section excavation, 'congeste es — complete Section ing' with the excavat	Jnderground Services n 2C s/ chemicals n 2D d area, near overhead p n 2E cion?	□ No – . □ No – . ower lin □ No – .	go to question 3 go to question 4 es or nearby other structures'? go to question 5
1. Will workers be required to enter the excavation(s)?		Name 20	F	- / Transhina		
2. Will excavation(s) have a depth > 0.3 m (1ft) and ≤ 1.2 m(4ft)?						
• Oxygen (Content < 19.5 % or > 23.5%) Flammable/explosive gas, vapor, or mist (Concentrations > 10% LFL), or airborne combustible dust ≥ LFL) • Toxic chemicals (Concentration ≥ TLV / OEL) • Any other atmospheric condition that is immediately dangerous to life or health 5.2. Has the potential that the space includes any other recognized safety or health hazard that is immediately dangerous to life or health been assessed? Including physical, electrical, mechanical, chemical, biological, radiological, thermal, and structural hazards. □ Space assessed and issues not applicable. Go to question 5.3. □ Space assessed and issues applicable. PRCS entry permit added as annex to this permit? □ Yes − go to question 5.3 □ No - Work shall not proceed	2. W 3. W 4. W	/ill excavation(s) have a depth > 0.3 m (1ft) and /ill excavation(s) have a depth > 1.2 m (4ft) and /ill excavation(s) have a depth > 4 m (12ft)?	≤ 1.2 m(4ft) ? □ ≤ 4 m(12ft) ? □	1 Yes – go to question 6 1 Yes – go to question 5 1 Yes – go to question 4b	□ No □ No □ No	p – go to question 3 p – go to question 4 p – go to question 5
Flammable/explosive gas, vapor, or mist (Concentrations > 10% LFL), or airborne combustible dust ≥ LFL) • Toxic chemicals (Concentration ≥ TLV / OEL) • Any other atmospheric condition that is immediately dangerous to life or health 5.2. Has the potential that the space includes any other recognized safety or health hazard that is immediately dangerous to life or health been assessed? Including physical, electrical, mechanical, chemical, biological, radiological, thermal, and structural hazards. Flammable/explosive gas, vapor, or mist (Concentrations > 10% LFL), or airborne question 5.3. Space assessed and issues not applicable. Go to question 5.3. □ Space assessed and issues not applicable. Go to question 5.3.		·		0/ or > 22 E0/\		
Any other atmospheric condition that is immediately dangerous to life or health 5.2. Has the potential that the space includes any other recognized safety or health hazard that is immediately dangerous to life or health been assessed? Including physical, electrical, mechanical, chemical, biological, radiological, thermal, and structural hazards. Space assessed and issues applicable. PRCS entry permit added as annex to this permit? Yes – go to question 5.3 No - Work shall not proceed		Flammable/explosive gas, vapor, or mis combustible dust ≥ LFL)	st (Concentrations > 1	10% LFL), or airborne		• • • • • • • • • • • • • • • • • • • •
dangerous to life or health 5.2. Has the potential that the space includes any other recognized safety or health hazard that is immediately dangerous to life or health been assessed? Including physical, electrical, mechanical, chemical, biological, radiological, thermal, and structural hazards. PRCS entry permit added as annex to this permit? Yes – go to question 5.3 No - Work shall not proceed					atelv	☐ Space assessed and issues applicable.
5.2. Has the potential that the space includes any other recognized safety or health hazard that is immediately dangerous to life or health been assessed? Including physical, electrical, mechanical, chemical, biological, radiological, thermal, and structural hazards.	5.	dangerous to life or health	•			
Including physical, electrical, mechanical, chemical, biological, radiological, thermal, and structural hazards.				d safety or health hazard	that	☐ Yes – go to question 5.3
		Including physical, electrical, mechanical, che		iological, thermal, and		☐ No - Work shall not proceed
			ld notentially engulf	an entrant (through coll	anse)	☐ Yes – go to question 5.4

(General Work	Permit numbi	er or Routine	work order)
General Work	r citill tiutillo	er or noutine	. WOIN DIGET	/

or has an internal configuration that could trap	or asphyxiate an entrant?		□ No – Expl	ain and go to	question 6
5.4. Soil has been classified as:	☐ Sand ☐ Gravel	□ Rock □	l Silt	☐ Clay	☐ Other
5.5. A method to prevent collapse will be achieved (must identify one) via: Depending on soil type different solutions might be required.	☐ The use of shoring (reduce Not preferred for exca ☐ The use of sloping & bench ☐ The use of shielding (nobod ☐ A written and signed autho (obtained from a certified civil eng	avations > 4m/ 12ft ing (all sides and ac ly in the risk area d rity stating that the	deep lapted to soil uring installat excavation is	resistance)	у
5.6. Clarify details as applicable (about the type of shoring, method of placement/ removal / dimensions shielding cage, access details, etc).					
5.7. Is a retrieval tripod & harness present for all excavations when any atmospheric hazard is present or has the potential to be present (e.g., making a sewer connection in a pit)?	☐ Yes ☐ N/A - Explain ☐ No — Explain how you will n	nanage emergency	evacuations		
5.8. A safe means of entry will be achieved via (must identify one):	☐ The use of secured ladders ☐ The following alternative m	·	7.5m (24ft) of	trench	
5.9. General safe entry in the excavation will be achieved via (both items are mandatory):	☐ No - Work shall not procee ☐ More than one person bein ☐ A <u>competent person</u> to sup the Excavation TSS) and maint to entry – go to question 6	g present at the ex ervise work, inspec	t excavation(s	s) on a daily b	
6.1. Will workers be present at the borders of the excavation?	☐ Yes - Handrails & mid-rails @ ☐ No — go to question 6.2 ☐ N/A — Explain:		·		
6.2. Will heavy duty equipment be used for the excavation or within a 0.8m (2ft 7in) range of the excavation and is there a risk for this equipment falling into the excavation?	☐ Yes - Provide controls:				
6.3. Will materials be stored within 0.8m (2ft 7in) of the border of the excavation/ trenches or is there a potential for materials falling into the excavation? Note: For excavations < 0.8m (2ft 7in) in depth the 0.8 m (2ft 7in) requirement can be neglected at one side.	☐ Yes - Provide controls: ☐ No – go to question 6.4				
6.4 All active digging work ≥ 4ft (1.2m) below grade while individuals are in the hole/ trench must have 100% supervision by a qualified safety professional during 100% of the time that excavation activities are occurring.	☐ Yes - Provide controls:				
6.5 For all digging activities ≥ 4ft (1.2m) a dedicated spotter must be present along with whomever is performing the excavation (machine powered or hand digging).	☐ Yes - Provide controls:				

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6.6. Will trend excavated?	hes > 1.2 m (4ft) in depth be	☐ Yes - Trench bridges must be provided and toe-board	d secured (min 0.5m (1ft 7in) wide with handrail, mid-rail &
	trenches be wider than 0.8 m	☐ No - Work shall not proceed	
	7in) and/ or trenches be > 2m (6ft 7in) in th		
Section 2C		Underground Services	
2.C.1. THIS PART	MUST BE COMPLETED AS 'PRE	WORK' WHEN UNDERGROUND SERVICES ARE	PRESENT
Type of services identification: (check appropriate)	Note: Different techniques me Has the person using the too Other: From Authority or Unce 1.1. Where relevant and Call Before You Dig / Call Before You Dig / Have all utility compared in the short of the above question of the short of the shor	agnetic/ Magnetic/ Ground Penetrating Radar) ight be required depending on different types of all sheen properly trained? Gerground asset service locator depending of the service locator depending	of material used to fabricate the underground lines. □ Don't know lain Call Ticket" responded:: □ Yes □ No - Explain mation sourced □ To be sourced ices in the surrounds hniques lans): □ Reviewed □ To be reviewed
Identified Services	PRIORITY 1:		
☐ Gas or Fuel tank/☐ Production Sewe☐ Main Water Supp	pipeline r; API plants oly and Production Water.	☐ Live/unknown electrical ☐ Control wiring ☐ Fire Protection Water sed):	☐ Steam, Chilled Water, Other Media.☐ Telecommunications (phone, fiber optic)☐ Forced main sewer pipes
Identified Services ☐ Irrigation lines ☐ Storm water		☐ Non-live electrical	☐ Gravity flow sewer pipes or services; Sanitary
\square Other – specify: .			
Service location(s) - Added to drawing Identification unde	Provide details/description of logs/sketches	cations as detected (add to sketch); or explain	areas shown by marking paint or similar.
Date:			
	T MUST BE COMPLETED AT PERM		
☐ Yes, services hav	e been identified that could imp	act the excavation tasks.	
2.1. Can this wo	rk be done with the 'Priority 1' id	entified services de-energized? Yes - go to	o question 2.4 ☐ No – go to question 2.2
2.2. Are all servi ☐ Yes		Priority 1' clearly identified and easy accessible can only continue after a documented risk as	
2.3. Are emerge ☐ Yes - Attach p	ncy plans in place? plans to permit No - <mark>Work</mark>	can only continue after a documented risk as	ssessment* has been completed
2.4. Have all ide □ Yes		en de-energized and proved safe? Lock Out/ Ta can only continue after a documented risk as	

Doc. No Form 22 004 Rev. 1.0			(Ge	nerai vvork Per	mit number	or Routine w	ork oraer)	• • • • • • • • • • • • • • • • • • • •	•••••
Identified Services PRIORI ☐ Gas or fuel tank/pipelin ☐ Production sewer; API p ☐ Main water supply and ☐ Other (Special caution)	e llants production water.	☐ Live/unknown ☐ Control wiring ☐ Fire protection	n water		□ T ₀	team, chilled velecommunica orced main se	ations (pho		
- Other (Special Caution)	when dual wall piping i	s useuj		•••••					
Identified Services PRIORI ☐ Irrigation lines ☐ Storm water		□ Non-live electrical			☐ Gravi	ty flow sewer	pipes or so	ervices; S	anitary
☐ Other – specify:									•••••
2.5 Service location(s) - Pro	•			-				paint or s	imilar.
						·			
☐ No there are no services in									
Section 2D	Contan	ninated soil/ Old pr	rocess mate	rials/Chemica	ıls				
Is the site EHS department inv	olved in the definition of	of the most appropria	ate controls?	□ Yes □ N	o - Work sh	all not procee	ed		
Measurement required?	res □ No								
Atmospheric monitoring:									
Instru	ment ID number	Calibration Dat	e	Bump tested I	ру	Time Bur	np test		
O ₂ /Ex meter Tester:									
O ₂ /Ex meter Entrant:									
Toxic gas meter:									
Monitoring frequency:									
	Pre-entry			During th	e entry				
Time (hh:mm)	:	: :	:	:	:	:	:		:
Oxygen (vol%) (> 19.5 - < 23.5 vol%)									
Explosion (%LEL) (< 10% LEL)									
Toxic (ppm) (< 50% TLV-TWA) Toxic 1:									
Toxic 2:									
Toxic 3:									
Name & Company Tester				Signature					
Specific PPE required (clothing	hroathing) 2	– sposify:					 lo - <mark>Work</mark> 9	chall not	procood
Section 2E		Overhead Power I					IO - WOIK	SHAII HUL	proceeu
Measures taken to prevent pe by moving equipment used to excavation work.	ople from being struck	☐ Yes - What?						□No	Work shall not proceed
		☐ Yes - What?						□No	ll not p
Measures taken to prevent ina nearby overhead power lines.	dvertent contact with	□ N/A - Why?							roceed

(General Work Permit number or Routine work order)	(General	Work Permit	number o	or Routine	work order)
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Macanina talian ta municipi the annual the annual talian fire	☐ Yes - Wha	at?				□No	
Measures taken to prevent the excavation from undermining nearby structures	□ N/A - Wh	y?					
Section 2F	Protecti	on of P	ublic/ Traffi	С			
	☐ Yes - Wha		,			□No	
Measures taken to prevent pedestrians and all							
involved in the task from falling into the excavation?	□ N/A - Wh	ıy? 					Woi
Measures taken to prevent pedestrians and all involved from being hit by projectiles when using	☐ Yes - Wha	at?				□No	rk shall
jackhammers, saws, air lances, etc. ("line of fire" protection).	□ N/A - Wh	ıy?					Work shall not proceed
	☐ Yes - Wha	at?				□N-	oce
Measures taken to prevent traffic (trucks, cars, bikes,	1 163 W 110	uc.				□No	e <u>d</u>
etc.) driving into the excavation.	□ N/A - Wh	ıy?					
Section 3	Authoriz	ation a	nd Acceptar				
PTW supervisor/subject matter expert or authorized of		ation a	ilu Acceptai	100			
I give authorization for the described work to proceed		ditions	of this permit	and I am satisfied tha	at all the hazards associat	ed with this	s permit
to work are controlled. Name & Company: Phone	e:	9	Signature:		Date & T	ime:	
Additional requirements: □JSA or □Safe-Plan-of-Action or □Work Instruction m	nandatory for	activity	(s):				
Parcon in charge							
Person in charge I confirm that Person(s) Carrying Out the Work have th further confirm that I have explained the permit condit person(s) have received site orientation and general en Name & Company: Phone	ions and cont nergency prod e:	rol mea cedures	sures with the	e Person(s) Carrying C	ut the Work and have en efined above. Date & T	sured these	e
Person carrying out the work ☐ Person in charge is so	ole person car		ut the work (n	o extra signature requ			
I acknowledge that the permit conditions have been experson working on the job must sign.	•						. Each
☐ Persons carrying out the work have signed on Name & Company: Phone			isk control pro Signature:	ocedure (Sare Plan of	Action) (check if applicabl Date & T		
Section 4	Hand (Over (S	tart of Work	x)			
Area owner I have reviewed the plan(s) to complete the described of are or will be controlled. I have checked the area(s)/sy work from proceeding. I give authorization for the described of the Utility System owners informed? Are the Area Owners of possible affected area(s) in I have informed all affected Employees	stem(s) where cribed work to	e the wo	ork will be per	formed and I have no	t observed issues which s		
Name & Company: Phone	e:	9	Signature:		Date & T	ime:	

	<u> </u>	Hand Bac	k (End of Work)			
Person in charge All activities associated with the condition.	his permit to work hav	ve been completed, a	all isolations are remo	oved and the area l	has been left in a s	safe, clean and tidy
Name & Company:	Si	gnature:		Date & Ti	me:	
Area owner						
I have verified, through in place	ce inspection, that the	activities associated	with this permit hav	ve been completed	and that the area	has been left in a safe,
clean and tidy condition. Name & Company:	Si	ignature:		Date & Ti	ma:	
Name & Company.	يان	gnature.		Date & 11	me.	

1						
Section 6			ion of Validity			
		Extensi	ion of Validity			
Section 6		Extensi	ion of Validity	so when extension		excavation permit is given.
Section 6 I have verified that General W	/ork Permit no	Extensi	ion of Validity	so when extension	of validity of this e	excavation permit is given.
Section 6 I have verified that General W Permit extension until (Date & time)	/ork Permit no PTW Superviso Name:	Extensi or/SME Signature:	ion of Validitystill applies, als Area/ System ow Name:	so when extension vner Signature:	of validity of this e Person in Cha Name:	excavation permit is given. rge Signature:
Section 6 I have verified that General W Permit extension until	/ork Permit no PTW Superviso Name:	Extensi or/SME Signature:	ion of Validitystill applies, als Area/ System ow	so when extension vner Signature:	of validity of this e	excavation permit is given. rge Signature:
Section 6 I have verified that General W Permit extension until (Date & time)	/ork Permit no	Extensi or/SME Signature:	ion of Validity still applies, als Area/ System ow Name:	so when extension wner Signature:	of validity of this e Person in Cha Name:	excavation permit is given. rge Signature:
Section 6 I have verified that General W Permit extension until (Date & time)	/ork Permit no	Extensi or/SME Signature:	ion of Validitystill applies, als Area/ System ow Name:	so when extension wner Signature:	of validity of this e Person in Cha Name:	excavation permit is given. rge Signature:

under applicable laws or the requirements of the Agreement governing the work.

THIS WORK PERMIT MUST BE POSTED IN THE WORK AREA. UPON JOB COMPLETION, THIS SIGNED PERMIT MUST BE MAINTAINED FOR 24 MONTHS