

Phosphate Business Unit Program Environmental, Health and Safety (EHS) Department

Trenching and Excavation Program Appendix A

Trenching and Excavation — **PERMIT** (Required for all excavations greater than 2' at Concentrates facilities and 4' at Mining facilities)

PREPLANNING WORKSHEET:

(Each sect	tion must be addressed and responded	I to before work starts)				
Ì	Project Name:	Worksheet Completed By:				
_	Project Location:	Project Number:				
_	Name of Competent Person:					
_	Reason for Trench/Excavation:					
Estimated	und Installations locations of all underground utility insta	allations determined prior to excavation work beginning.				
YES	inderground installations protected, su	osed work. Opported, or removed while excavation is open.				
	ncumbrances that are located so as to as necessary to safeguard employees	potentially create a hazard to employees have been removed or .				
		ic are wearing reflectorized or high-visibility vests.				
Protective Protective YES	e Systems system used when trench or excavation	on depth is greater than 4 feet.				
Type of pro	otective system used. ping 1-1/2H:1V (34 degrees) ring system nch box					
All protecti manufactu YES	ve systems designed by a registered prer. N/A	professional engineer or accompanied by tabulated data from the				
YES	N/A	day to detect movement and possible failure.				
YES	ladders, or ramps provided every 25 f N/A					
YES		equipment and/or personnel approved by the competent person.				

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Electrical Safety All electrical devices ground YES N/A	ed and/or GFCI	protected.	
Exposure to Failing Loads Workers prohibited from sta YES N/A		h loads handled by lifti	ing or digging equipment.
Warning Systems for Mob Waming systems utilized wh YES N/A		oment is operated adja	cent to or at the edge of an excavation.
If yes, state type being used	l. n Logs	Farthen Berm	Other (list)
Tialid SignalsSto	p Logs		Other (list)
Emergency Rescue Equip Emergency rescue equipme hazardous conditions exist of YES N/A	ent (safety hame:		etcher, etc) readily available and attended when
Protection From Hazards A Water being controlled or pr YES N/A			n vation by the use of water-removal equipment.
Stability of Adjacent Structure Support systems, such as such us buildings, walls) are protected YES N/A Support system designed by	horing, bracing, one of the desired the de	erment by excavation a	ded to ensure stability of adjoining structures (i.e. activities.
YES N/A		Ü	
Protection of Employees If Workers protected from equ of 2 ft. from the edge of excepts	ipment and exca	avated or other materia	al by placing material a minimum ces.
Fall Protection Standard guardrails provide YES N/A	d on walkways a	and bridges that cross	over 4-ftplus excavations.
Excavations accessible to the YES N/A	ne public adequa	itely barricaded or cove	ered when unattended.
Testing for Hazardous Atn Atmospheric testing perform YES		ns greater than 4 ft. de	ер.
Testing conducted at a frequency		safety of personnel.	
InitialPeriodicCon Ventilation used or required YESN/A		mits for entry into tren	ch/excavation.

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Safe Lim	nits:	Oxygen 19.5%-2 LEL <10% Hydrogen Sulfid Ammonia < 50 F	le <10 PPM				
Times Readir		Date: Time: % Coxygen: % Toxic: ppm of Performed by:	Oxygen:% Toxic: ppm	Time: % Discrepance	Oxygen:%	Oxygen:	_ % _ % opm
Times Readir		Date: Time: % Coxygen: % Toxic: ppm of Performed by:	Oxygen:%	Time: % Oxygen: % Toxic: ppm	Oxygen:%	Oxygen:	_ % _% opm
Specia	al Precaution	ons:					
Daily inspection YES	pections of ons being pe spected the	excavation describ	done by the Comp	fter every rainstorm c		easing occurrer	nce.
` •	·	etent Person)			(Date)		
Inspection LogDateTimeFindings		Cor	Corrections			nature	

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