FESHM 2010

USID Form January 2017

UNREVIEWED SAFETY ISSUE DETERMINATION (USID) FORM

Title of USID:): D	Discovered Sinkhole at Sump at Q118 Between MI20 & MI14				
Desc	criptio	on o	of Pro	posed Activity: A sinkhole around a sump pump at Q118,			
				and MI14 Service Buildings was discovered while doing			
routine summer mowing of the berm during the 2019 Summer Shutdown							
on	8/8/2	201	19.				
Does	s the j	orop	osed	activity or discovered condition affect information in the Fermilab SAD			
_	-		•	nalyses, administrative controls, or credited controls? If so specify the			
				No - all required shielding is still in place. Soil affected			
was	s in t	he	ove	rburden region of soil.			
	_	_		activity or discovered condition affect any of the requirements in the so specify the relevant sections. No - all required shielding is			
still	in p	lac	e. S	oil affected was in the overburden region of soil.			
USI	Dete	rmi	natio	on Criteria:			
	Yes		No	Could the change significantly increase the probability of occurrence of an accident previously evaluated in the SAD?			
	Yes		No	Could the change significantly increase the consequence of an accident previously evaluated in the SAD?			
	Yes		No	Could the change significantly increase the probability of occurrence of a malfunction of equipment important to safety previously evaluated in the SAD?			
	Yes		No	Could the change significantly increase the consequence of a malfunction of equipment important to safety previously evaluated in the SAD?			
	Yes	Yes No Could the change create the possibility of a different type of accident than previously evaluated in the SAD that would have a potentially significant safety consequence?					
	Yes	Ø	No	Could the change increase the possibility of a different type of malfunction of equipment important to safety than any previously evaluated in the SAD?			



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Justification:	(use attachment if necessary)	The sinkhole was approximately 2 feet					
	eep. The shielding assessment requires 20.7 efd, and prior to the						
sinkhole th	ep hole, this still						
leaves 2.6	shielding was not						
impacted.							
USI Determi	nation: A USI is determined t above is "Yes". If th exists.	to exist if the answer to a e answer to all 6 question	-				
■ No	Proposed activity may be implemented following the applicable FESHM or FRCM chapter requirements.						
☐ Yes	☐ Yes Director's approval is required prior to implementation.						
For a positive	For a positive USI Determination, does the ASE require changes?						
□ No	Proposed activity may be implemented following the applicable FESHM or FRCM chapter requirements. Attach a copy of this USI Determination after Director's approval to the applicable SAD Chapter.						
☐ Yes							
Check docun	Check documents requiring creation or modification						
_Λ Ω □ PHAR	/PHAD	☐ Shielding Assessment					
□ SAD	0.00	\Box ASE					
Mador	n Schoell		8/15/2019				
'Preparer'	•		Date				
Mant	8/15/19						
Senior Radiation Safety Officer Date							
Approval:							
1 10			8/14/19				
Chief Safety	Officer		Date				
Director (for positive USIDs) Note: Contact your Division Safety Officer with any questions regarding this form.							