Comprehensive Legacy Management and Institutional Control Plan (S03496-13.0) Revision 13, January 2023 Variances for Calendar Year 2024

					Regulatory A	pproval Date
Variance Number	Variance Title	Significant? ^a (Y/N)	Affected Volume, Attachment and Section	Variance Date	EPA	Ohio EPA
			Calendar Year 2024			
2024-01	On-Site Disposal Facility (OSDF) Vegetation Reporting	Y	Volume II, Section 3.5.1, OSDF Inspection and Maintenance	9/19/2023		
2024-02R1	Performance Testing	Y	Volume II, Attachment A, OMMP, Section 6.2.3, Maintenance and Operational Monitoring.	1/3/2024		
2024-03	SWD-09 Surface Water Frequency Change	Y	Volume II, Attachment D, Integrated Environmental Monitoring Plan, Table 12, Summary of Surface Water and Treated Effluent Sampling Requirements by Location	1/4/2024	2/21/2024	1/23/2024
2024-04	Contact List	N	Volume II, Attachment E, Community Involvement Plan, Appendix A, <i>Contact List</i>	1/4/2024		

^a Per the *Fernald Preserve Quality Assurance Project Plan* (DOE 2014): A **significant variance** is required when activities change the scope of the project and that change must be reviewed by the regulatory agencies. An **informational variance** is used for changes such as providing clarification, incorporating additional information, correcting errors or documenting resampling efforts.

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Variance num	ber: 2024-01				Signii	licant:		L	□ No					
Document nui						Page:	<u>1</u> o	of _1						
Document title	Fernald Preserve Comprehe Controls Plan, Volume II, Ins					Date:	9/22/2023	3						
			Varian	ce ification)										
Requirement:	The third paragraph of Section				ted below in red	dline/st	rikeout:							
"The monitoring we cap. Vegetation during the 202 each cell cap a once during ear part of the fall Environmental	ing and management of the and continued growth of the ill consist of the collection on monitoring is conducted 21 CERCLA five-year reviewed collecting data from ranged sampling event in late of quarterly inspection report. Report, DOE proposed in I Report rather than the OS	e OSDF veg the native g of data to on a 3-yea ew (DOE 2 ndom 1-mo summer. P	getative grass medeterm ar rota (2021). The terror to than Control of the cost	ve cover we have cover which is specificated in the partial of the country of the cover of the c	will be carried and seede percentage of changes to this collection contations within Results arewers of the collection contations within arewers of the collections within the collections within arewers of the collections within the collections within arewers of the collections within the collections within the collections within the collections with the collections within the collections with the collections within the collections w	d out to d on the native s appro- sists of the gri- te presection you	o optimize one OSDF cover on oach were f establistic. Data a cented to rear. In the olds in the option of the option of the oach of the option	cap the re ic shin are regu e 20	e OSDF lentified ag a grid on collected alators as 022 Site mual Site					
						Justification: The change provides for more streamlined reporting.								
Justification: ⁻	The change provides for more	streamline	ed repo	orting.										
Justification:	LICA MCHE	e streamline		orting. signed by LISA MCHE 23.09.25 08:26:23 -04'	ENRY (Affiliate) O00' Date:									
	LICA MCHE				ENRY (Affiliate) Oo' Date: Variance	Appro	vals							
	: Lisa McHenry LISA MCHE			signed by LISA MCHE 23.09.25 08:26:23 -04 ¹	Date.	Appro	vals							
Requested By	: Lisa McHenry LISA MCHE		Digitally Date: 202	signed by LISA MCHE 23.09.25 08:26:23 -04'	Date.	Appro	vals							
Requested By Required	Lisa McHenry LISA MCHE Variance Approvals Quality Assurance GREGORY LUPTON Digitally sign LUPTON (Affiliation)	ENRY (Affiliate	e) Digitally Date: 202	signed by LISA MCHE 23.09.25 08:26:23 -04'	Date.				Date					
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Variance	number:	2024-03R1					Significant	Yes	☐ No
Documen	t number	: LMS/FER/S04396-13.	0				Page:	1 of	1
		Fernald Preserve Comprehe					ls		
Documen	t title:	Plan, Volume II, Institutional Maintenance Master Plan for					Date:	1/3/2024	
				Varian	се				
			(Inclua	le Just	tification	on)			
		on 6.2.3, Maintenance and Ope wing revisions to the requireme					testing and a	mperage mea	surements during
			Table 1.	Planne	d Outa	ges			
	Ite	m Desci	ription			Frequency	Durati	on per Event	
	1	Performance Testing			Т	wice per Year Quarterly	4 ho	urs per well	
	2	Pressure Transmitter Op	erational Check			Annually	2 ho	urs per well	
	3	Magnetic Flow Meter Op	erational Checka		;	Semiannually	2 ho	urs per well	
	4	Check Valve Inspect/Cle	an		;	Semiannually	4 ho	urs per well	
	5	Rehabilitation				Variable	3	3 weeks	
	6	Well/Pump Cleaning				Variable	1	–2 days	
^a Flow	v meter op	erational check may occur as a	post-maintenanc	e test u	sing a p	oortable flow meter	•		
shutdown) u effectivenes if the extrac Amperage As with flow measured or measured or phases of th diagnosis. A Justificatic conducted	wand press on each of the continuously the motor. A Additional continuously on: Becautwice per eeded to r	g purposes. DOE will conduct perfational knowledge suggests that the litation effort. Any well that is no leads to maintain its design pumping sure, amperage is a good indicator of the three phases of the electrical supprise three phases of the electrical supprise three phases of the electrical supprise three variable frequency drive are imbalance of greater than 20 percenting provides and repairs are not withing the site has many years of owner to provide data to choose where accurate reflect current we see the Broberg Kenneth A	test may damage tonger being performate. of how the pump/mobly. Amperage draw and should be belowent across the phasin the scope of this perational data, qwells for rehabilitallifield conditions.	otor asse w is com- the man es indice plan.	The dat sted wil	a is used to determine I be discussed with the performing. During the motor manufactor's full load amperage otor or electrical support of the motor between the performance testing is not be ermine the effective	performance to the performance t	require rehabilit Additional testir esting, motor an ad specifications be approximatel nat triggers more ired. Performal	ation as well as the ge may be performed apperage draw is Amperage is by equal across the extensive acceptage will be
requested	а Бу.	Variance Approvals	3 00	ate. 2024.0	71.10 14.4		ance Approv	vals	
Required				Requ	uired				
Vac Na				Yes	No				
Yes No _	GDECODY	Quality Assurance LUPTON (Affiliate) Digitally signed by GR Date: 2024.01.11 08:0	Date LEGORY LUPTON (Affiliate)		No	Environme	ental Complia	nce	 Date
	GILLGOITI	Project Manager	Date		\boxtimes	Environm	nental Sampli	ing	 Date
	Laborato	pry Technical Representative	 Date		□ -	Aquife	r Restoration		 Date
	Kar Enviro Mai	en S. Voisard Voisard Dimental Monitor Insue Date 1.10 13: nagement and Reporting					Other		 Date
Revision F	Required	☐ Yes No	Document N	lo. and	Title:_				
Distributio	on	Records Management	⊠ EPA	EDΛ					

Variance ni	umber: 2024-03				Significa	nt: 🛛 Yes	☐ No
Document	number: LMS/FER/S043	396-13.0			Paç	ge:_1 of	<u> </u>
	Fernald Preserve Co						
Document	Institutional Controls title: Attachment D, Integ					e: 1/4/2024	
		V	/ariance	9			
			e Justific				
requires SW	nt: Table 12, Summary of 9 /D-09 to be sampled on a s s when water is present. T eout below.	emi-annual basis	. DOE h	nas bee	n sampling the loca	ations more fr	equently, on a
<u> </u>		*					
	Location	Const	tituentª		IEMP Characterization Requirements (reason for <u>selection)^{b,o}</u>	NPDE Requirem	
SW	VD-09	Radionuclides : Uranium, Total	and Urar		Quarterly Semiannually (PC)	_	
approval from	n: DOE proposed to reduce m the stakeholders, this ch	ange will be imple	emented	l in cale	endar year 2024.		al Report. With
approval from	m the stakeholders, this ch By: Karen Voisard		emented	l in cale	endar year 2024. Date:	4/2024	al Report. With
approval from	m the stakeholders, this ch	ange will be imple	Digitally signed Date: 2024.01.1	d in cale by Karen S. Voisa 11 11:37:32 -05'00'	endar year 2024.	4/2024	al Report. With
approval from Requested Required	m the stakeholders, this ch By: Karen Voisard	ange will be imple	Digitally signed Date: 2024.01.1	d in cale by Karen S. Voisau 111:37:32-05'00'	endar year 2024. Date:	4/2024	al Report. With
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Variance number: 2024-04			
		Significant: Yes	⊠ No
Document number: LMS/FER/S04396-13.0		Page: 1 of	1
Fernald Preserve Comprehensive Institutional Controls Plan, Volume Document title: Attachment E, Community Involve			
	Variance		
	lude Justification		
Requirement: Appendix A, Contact list provides electrownship as listed below.	cted officials. One	e update is required for a contact fo	or Ross
Ross 7 3954 S (513) 8	Ballauer Fownship Silax Drive 863-2337, Exter ail address ava		
Justification: Updates required based on results of	the 2023 election		
Justification: Updates required based on results of the Requested By: Karen Voisard	the 2023 election	Date:1/4/2024	
· · · · · · · · · · · · · · · · · · ·	the 2023 election		
Requested By: Karen Voisard	the 2023 election	Date: _1/4/2024	
Requested By: Karen Voisard Variance Approvals		Date: _1/4/2024	
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Requested By: Karen Voisard Variance Approvals Required Yes No Quality Assurance GREGORY LUPTON Digitally signed by GREGORY LUPTON (Affiliate) Date: 2024.01.11 08:10:29-05 Project Manager Date Laboratory Technical Date	Required Yes No	Variance Approvals Environmental Compliance	
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Required Variance Approvals Required Yes No Quality Assurance GREGORY LUPTON Digitally signed by GREGORY LUPTON (Affiliate) Date: 2024.01.11 08:10:29-05 Project Manager Date Laboratory Technical Date K. Voisard Karen S. Digitally signed by GREGORY Date: 2024.01.01 08:10:29-05 Environmental Mesaitoring, Data Management and	Required Yes No	Date: _1/4/2024 Variance Approvals Environmental Compliance Environmental Sampling Aquifer Restoration	Date Date