			1. CONTRACT ID CODE	PAGE O	PAGES
AMENDMENT OF SOLICITATION/MODIFICATIO	N OF CONTRACT			1	15
2. AMENDMENT/MODIFICATION NO. 3. EF	FECTIVE DATE	4. REC	QUISITION/PURCHASE REQ. NO.	5. PROJECT NC	. (If applicable)
107 See	e Block 16C	11EM	1002429		
6. ISSUED BY CODE 006		7. ADI	MINISTERED BY (If other than Item 6)	CODE 0060	3
Office of River Protection		Off	ice of River Protection	<b>6</b>	·
U.S. Department of Energy		U.S	. Department of Energy		
Office of River Protection		Off	ice of River Protection		
P.O. Box 450			. Box 450		
Richland WA 99352			H6-60		
	te Oferia and ZID Code)		hland WA 99352 A AMENDMENT OF SOLICITATION NO.		
8. NAME AND ADDRESS OF CONTRACTOR (No., street, count	y, State and ZIP Code)	(x) 94	AMENDMENT OF SOLICITATION NO.		
WASHINGTON RIVER PROTECTION SOLU	JTIONS LLC				
Attn: DUANE SCHMOKER		9B	B. DATED (SEE ITEM 11)		
PO BOX 73					
720 PARK BLVD		10	A. MODIFICATION OF CONTRACT/ORDER N	0.	
BOISE ID 837290001		X D	E-AC27-08RV14800		
		10	B. DATED (SEE ITEM 13)		
CODE 806500521 FAC	CILITY CODE	] [(	)5/29/2008		
	1. THIS ITEM ONLY APPLIES TO	AMEND	MENTS OF SOLICITATIONS		
			MODIFIES THE CONTRACT/ORDER NO. AS DE		M 14.
B. THE ABOVE NUMBERED CONTRACT/OF appropriation date, etc.) SET FORTH IN I	RDER IS MODIFIED TO REFLECT TEM 14, PURSUANT TO THE AU	T THE A	DMINISTRATIVE CHANGES (such as changes Y OF FAR 43.103(b).	s in paying office,	
C. THIS SUPPLEMENTAL AGREEMENT IS	ENTERED INTO PURSUANT TO	AUTHO	RITY OF:		
X FAR 52.243-2, Changes-C	Cost Reimbursement	t (Al	UG 1987)		
D. OTHER (Specify type of modification and					
E. IMPORTANT: Contractor	is required to sign this document a	nd retur	n2 copies to the issuir	ng office.	
14. DESCRIPTION OF AMENDMENT/MODIFICATION (orga The purpose of this modification Section J, Attachment J.2 to ac Attached to this modification a J.3-21-J.3-25 and Attachment J. Period of Performance: 06/20/20	on is to update So dd DOE Order 203. are replacement po .2, page J.2-6.	ecti 1, a ages	on J, Attachment J.3 and t no additional cost to	l to upda the gove	rnment.

Except as provided herein, all terms and conditions of the document re	eferenced in Item 9A or 10A	, as heretofore	changed, remains unchanged and	in full force and eff	ect.
15A. NAME AND TITLE OF SIGNER (Type or print)	1 0	16A. NAME	AND TITLE OF CONTRACTING O	FFICER (Type or p	orint)
Abol L. Donning Konten Max~ BBAU	unning	Susan 1	E. Bechtol		
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITEI	STATES OF AMERICA	$\cap$	16C. DATE SIGNED
· · · · · ·		A	ORIGINAL SIGNED BY	ν	05/02/2011
(Signature of person authorized to sign)					
NSN 7540-01-152-8070					RM 30 (REV. 10-83)
Previous edition unusable				Prescribed by G	SA

FAR (48 CFR) 53.243

Contract DE-AC27-08RV14800 Modification 107 SF30 Continuation Page, Block 14 Page 2 of 15

#### **Purpose of Modification:**

The purpose of this modification is to do the following:

1. Update Section J, Attachment J.3, Hanford Site Services and Interface Requirements Matrix, to update the service provider for the following Interface Numbers:

Interface Number		Activity
	26	Seismic Monitoring Services
	27	Hanford Environmental Oversight (HEO)
	28	Meteorological and Climatological Services
	29	Environmental Surveillance
	30	Ecological Monitoring and Compliance – Site Wide
	31	Cultural and Historic Resource Program

The change is as follows:

Interface Number	26	Interface Number
Type of Interface	ა	Type of Interface
Activity (Interface)	Services Services	Activity (Service - Mandatory)
PNNL (Service Provider)	Provide Receive service to service Site from an contractors provide input to PNNL Seismic Monitoring input needed. This inform activities. PNNL shall mai Site. PNNL shall pro	PNNL (Service Provider)
MSC	Receive service from and provide input to PNNL PNNL shall provide shall provide d Site contra	MSC
PRC	Receive service from and provide input to PNNL PNNL n is utilized : n seismic se seismic info	PRC
ГОС	Provide service to service to service to service         Receive service from and provide input to PNNL         Receive service and provide p	Ŧoc
WTP	Receive service from and provide input to PNNL PNNL te the Hanfou te the Hanfou I facilities, to I facilities, to I facilities to I facilities to I facilities to I facilities to	WIP
RCCC	Receive Receive service service from and from and provide provide input to input to PNNL PNNL or Seismic seismic netw support new facility or seismic activity ar ontractors upon requ	
Other Site Users	Receive service from and provide input to PNNL smic netwoi sw facility d activity and activity and services wh	Other Site Users
Requirements	Provide service to service to         Receive service from and input to         Receive service from and provide input to         Receive service from and provide p	Requirements
Cost Allocations	by DOE –EM to PNNL; provided at no cost to Hanford Site contractors t activities as ency operations tites on the Hanford	Cost Allocations

Contract DE-AC27-08RV14800 Modification 107 SF30 Continuation Page, Block 14 Page 3 of 15

### FROM:

Contract DE-AC27-08RV14800 Modification 107 SF30 Continuation Page, Block 14 Page 4 of 15

<ul> <li>Hanford Site contractors shall provide to PNNL appropriate environmental data for its facility and operable units to support Hanford Site assessments and preparation of the Hanford Site NEPA Characterization Report.</li> </ul>	<ul> <li>PNNL shall provide annual updates of the Hanford Site National Environmental Policy Act (NEPA) Characterization Report.</li> </ul>	Natural Resource Trustee activities.	HEO provides program management, coordination and integration of runnic series and resource resource in the program including functions. HEO also provides technical and administrative support to DOE associated with the PSRP program including								contractors	Site PNNL		27     Hanford Environmental Provide Deliver
ctors shall pr e assessmer	annual upda	e activities.	vides technic									PNNL	input to	
ovide to PNN its and prepai	tes of the <i>Ha</i> ı		, coordination cal and admin	population									to PNNL	
L appropriate ration of the	nford Site Na		i and integra	and information								PNNL	input to	
e environm Hanford Si	tional Envi		port to DO									PNNL	input to	
ental data te NEPA C	ironmental		E associate	lin Safaty a					. –	_	_	PNNL	input to	
for its facility and haracterization Research	Policy Act (NEPA		ed with the PSRP	and Resource Prot	Protection	Environmental	General	CRD O 450.1A,		Environment	Public and the	Protection of the for program	Radiation	
operable units to eport.	l) Characterization		program including	tection (PSRP)			implementation costs	internal	contractors bear	Hanford Site	administration;	for program	DOEEM to PNNL	

								1	28	Interface Number
								:	S/I	Type of Interface
								Climatological Services service to	Meteorological and	Activity (Service - Mandatory)
	PNNL	• PNNL s clock, inform	The Hanfor and timely v			contractors provide	Site	service to	Provide	PNNL (Service Provider)
	PNNL shall maintain and operate the Hanfo special-use information by Site contractors	PNNL shall provide clock, easily retriev information, etc.	d Meteorolog veather infor		input to	provide	from and	service	Receive	MSC
:	n and operat ation by Site	all standard /ed and und	pical Monitor mation that	Ĩ	input to	provide	from and	service	Receive	PRC
	te the Hanford contractors.	l, weather-rela erstood, real ti	The Hanford Meteorological Monitoring System includes 30 monitoring stations on the Hanforc and timely weather information that enable safe conduct of activities and emergency response	****	PNNL	input to	and provide	service from service	Receive	Toc
•	l Meteorolog	ted informati me meteoro	cludes 30 mo onduct of act		Input to	provide	from and	service	Receive	qrw
	ical Monito	ion for Han logical data	onitoring sti ivities and		Input to		from and from and	service	Receive	RCCCC
	ring system.	ford Site con a. This inclu	ations on the emergency		PNNL	provide	from and	service	Receive	Other Site Users
	. PNNL may be r	ntractors, providii ides forecasts, he	e Hanford Site ar response.							Requirements
	PNNL shall maintain and operate the Hanford Meteorological Monitoring system. PNNL may be requested to provide special-use information by Site contractors.	PNNL shall provide all standard, weather-related information for Hanford Site contractors, providing detailed around-the- clock, easily retrieved and understood, real time meteorological data. This includes forecasts, heat indices, historical information, etc.	The Hanford Meteorological Monitoring System includes 30 monitoring stations on the Hanford Site and provides accurate and timely weather information that enable safe conduct of activities and emergency response.	by Site contractors	information requested	services, except for	for the cost of	DOE EM to PNNL	Funding provided by	Cost Allocations

Hanford Site contractors shall request and provide requirements for service.

Contract DE-AC27-08RV14800 Modification 107 SF30 Continuation Page, Block 14 Page 5 of 15

	29	Interface Number
	_	Type of Interface
	Environmental Surveillance	Activity (Interface)
environmental Survei radionuclides and che and the public. PNNL shall asse <i>Environmental Survei</i> radionuclides and che and the public. PNNL shall asse <i>Environmental R</i> e PNNL shall asse Hanford Site con <i>Environmental R</i>	Receive	PNNL
ronmental Surveilla provide input to ractors PNNL pnuclides and chem the public. PNNL shall assess <i>Environmental Rep</i> surface environmental Rep surface environmental Rep surface contral Rep activities.	Receive information	MSC
ractors PNNL PNNL PNNL PNNL PNNL PNNL PNNL PNN	Receive Receive Receive information information information information	PRC
of far-field multimedia onmental media and a nisks of contaminants isks of Hanford Conta nisks of Hanford conta nisks of Hanford conta nisks of Hanford conta nisks of Hanford conta novide appropriate inpu	Receive information from and	TOC
tprovide input to PNNL dia and asses dia and asses eeds of the e eeds of the e ord contamin a and analysis ornate input to	Receive information from and	WТР
and provide input to PNNL ss the integ ss the integ <i>I Surveillar</i> nvironmen support Pl support Pl	Receive Receive informati informatio on from n from	RCCC
and provide input to PNNL as applicable grated effec uth in order nce Master ntal clean-ut ital clean-ut made availa	Receive informatio n from	Other Site Users
Information       provide       provide       input provide       prov	DOE O 5400.5 CRD O 450.1A	Requirements
information       provide       input to       provide       input to       provide       and       administration;         information       provide       input to       input to       provide       provides       provides       provides <td< td=""><td>Funding provided by DOE –EM to PNNL for program</td><td>Cost Allocations</td></td<>	Funding provided by DOE –EM to PNNL for program	Cost Allocations

Contract DE-AC27-08RV14800 Modification 107 SF30 Continuation Page, Block 14 Page 6 of 15

			Interface Number 30
			Type of Interface I/S
			Activity (Interface & Service - Mandatory) Ecological Monitoring and Compliance – Site Wide
<ul><li>Hanford Site</li><li>Allow a</li><li>Provide</li></ul>	<ul> <li>PNNL shall:</li> <li>Assess and mo baselino majority</li> <li>Conduc</li> </ul>	Ecological N requirement	PNNL (Service MSC Provider) Provide Receive service to service Site from an contractors provide input to PNNL
<ul> <li>Hanford Site contractors shall:</li> <li>Allow access to the Ecolo</li> <li>Provide ecological information</li> </ul>	the impacts nitor the abu e surveys of r of routine o t ecological	Monitoring an s; Biota is m	MSC Receive service from and provide input to PNNL
shall: Ecological M nformation to	to biological Indance, vígo protected bio perations an compliance i	nd Compliance onitored to a	PRC Receive service from and provide input to PNNL
fonitoring and the PNNL fro	IL shall: Assess the impacts to biological resources from Hanford and monitor the abundance, vigor, and distribution of plau baseline surveys of protected biological resources, speci majority of routine operations and clean-up are conducte Conduct ecological compliance reviews for Hanford Site	ccess the abu	TOC Receive and provide input to PNNL
Compliance om their sam	m Hanford S ution of plant rcces, species e conducted. anford Site co	e compliance undance, vigo	WTP Receive service from and provide input to PNNL
activity fo pling activ	Site operati nt and anim es, and hab d. contractors.	e with ecol or, or cond	RCCC Users Receive Receive service service from and from and provide provide input to input to PNNL applicabl
r the purpo Ities such a	ons and leg al populatic itats within	ogical reso ition, and c	Other Site Users Receive service from and provide input to PNNL as applicable
se of collecting int Is CERCLA/RCRA	gacy contaminants ons on the Hanford key areas of the H	Ecological Monitoring and Compliance is to achieve compliance with ecological resource-related legal and regulatory requirements; Biota is monitored to access the abundance, vigor, or condition, and distribution on the Hanford Site.	Other SiteRequirementsUsersReceiveReceiveEndangeredserviceSpecies Actfrom and provideMigratory Birdinput to PNNL as applicableTreaty ActPNNL as PNNL
ford Site contractors shall: Allow access to the Ecological Monitoring and Compliance activity for the purpose of collecting information and samples. Provide ecological information to the PNNL from their sampling activities such as CERCLA/RCRA risk assessments	IL shall: Assess the impacts to biological resources from Hanford Site operations and legacy contaminants to the environment and monitor the abundance, vigor, and distribution of plant and animal populations on the Hanford Site. This includes baseline surveys of protected biological resources, species, and habitats within key areas of the Hanford Site where the majority of routine operations and clean-up are conducted. Conduct ecological compliance reviews for Hanford Site contractors.	and regulatory Hanford Site.	Cost Allocations Funding provided by DOE –EM to PNNL for program administration; Hanford Site contractors bear internal implementation costs.

Contract DE-AC27-08RV14800 Modification 107 SF30 Continuation Page, Block 14 Page 7 of 15

	31	Interface Number
	SI	Type of Interface
	Cultural and Historic Resource Program	Activity (Service - Mandatory)
The Cultura resources, a with associa PNNL + perform Hanfor all such Use Pij standa	Provide Receive service to service Site from an contractors provide input to PNNL	PNNL (Service Provider)
and Histori and docume ated laws, D shall monitor ned to docur n NHPA Sec n NHPA Sec n NHPA Sec n NHPA Sec n Work that c of work that c d Site contra d Site contra of work, and of work, and of work, and guid	Receive service from and provide input to PNNL	MSC
ic Resource oE directive OE directive r and suppor ment the occ tion 106 Rev al and histor al an al and histor al an al and histor al an al an al an al an a	Receive service from and provide input to PNNL	PRC
<ul> <li>The Cultural and Historic Resource Program administers the program resources, and documents and addresses any real or potential Site-wi with associated laws, DOE directives, and legally-binding agreements.</li> <li>PNNL shall monitor and support the resource protection activities performed to document the occurrence of protected resources; ev perform NHPA Section 106 Reviews for Hanford Site contractors; Hanford Site cultural and historic resource site files (hard copy an all such work that occurs at the Hanford Site; and curate files and historic resource site files (hard copy an all such work, and provide to PNNL information to the PNNL ne scope of work, and provide to PNNL information and materials to Use Plan's (CLUP) Cultural &amp; Historic Resource Program Plan. If standards and guidelines) shall utilize the PNNL project records a</li> </ul>	Receive service from and provide input to PNNL	ĨŎĊ
inisters the p al or potentia binding agre protection a tected resou ord Site cont e files (hard and curate f ation to the P ation to the P ation and mate rce Program NL project re	Receive service from and provide PNNL PNNL	<b>A</b> IB
ements. ements. ctivities of irces; evalurces; evalurces; evalurces; ecopy and e iles and arf iles and arf iles to sup prials to sup <i>Plan</i> . In p <i>Plan</i> . In p	Provide PNNL	RCCC
issues and issues and Hanford Sit Hanford Sit aintain, esta electronic) a lifacts in aco ssary to per ssary to per ssary to per port PNNL articular, mi files for bac	Receive service from and provide input to PNNL as applicable	Other Site Users
Cultural and Historic Resource Program administers the program for protecting Hanford Site cultural and historic urces, and documents and addresses any real or potential Site-wide issues and their impacts; and assures compl associated laws, DOE directives, and legally-binding agreements. PNNL shall monitor and support the resource protection activities of Hanford Site contractors; coordinate surveys performed to document the occurrence of protected resources; evaluate and document impacts to protected resources perform NHPA Section 106 Reviews for Hanford Site contractors; maintain, establish procedures for and manage Hanford Site contractors shall provide information to the PNNL necessary to perform NHPA Section 106 Reviews scope of work, and provide to PNNL information and materials to support PNNL execution of the Comprehensive Use Plan's (CLUP) Cultural & Historic Resource Program Plan. In particular, mission contractors (who meet 36 C standards and guidelines) shall utilize the PNNL project records and files for background research.	National Historic Preservation Act (NHPA), American Indian Religious Freedom Act Archaeological Resources Protection Act Graves Protection and Repatriation Act	Requirements
<ul> <li>The Cultural and Historic Resource Program administers the program for protecting Hanford Site cultural and historic resources, and documents and addresses any real or potential Site-wide issues and their impacts; and assures compliance with associated laws, DOE directives, and legally-binding agreements.</li> <li>PNNL shall monitor and support the resource protection activities of Hanford Site contractors; coordinate surveys performed to document the occurrence of protected resources; evaluate and document impacts to protected resources; evaluate and socures for and manage Hanford Site cultural and historic resource site files (hard copy and electronic) and associated compliance project files for all such work that occurs at the Hanford Site; and curate files and artifacts in accordance with 36 CFR 79.</li> <li>Hanford Site contractors shall provide information to the PNNL necessary to perform NHPA Section 106 Reviews for their scope of work, and provide to PNNL information and materials to support PNNL execution of the Comprehensive Land Use Plan's (CLUP) Cultural &amp; Historic Resource Program Plan. In particular, mission contractors (who meet 36 CFR 61 standards and guidelines) shall utilize the PNNL project records and files for background research.</li> </ul>	National HistoricFunding provided byPreservation ActDOE –EM to PNNL for(NHPA),programAmerican Indianadministration;ReligiousHanford SiteFreedom Actcontractors bearInternalinternalArchaeologicalimplementation andResourcesrequest-for-servicesProtection ActcostsAntive AmericancostsGravesprotection andProtection andcosts	Cost Allocations

Contract DE-AC27-08RV14800 Modification 107 SF30 Continuation Page, Block 14 Page 8 of 15

Interface Number	26	Interface Number
Type of Interface	ω	Type of Interface
Activity (Interface)	Services	Activity (Service - Mandatory)
MSC (Service Provider)	Provide Receive service to service Site from an contractors provide input to MSC Seismic Monitoring : needed. This inform activities. MSC shall main Site. MSC shall provide	MSC (Service Provider)
PNNL	Receive service from and provide input to MSC MSC MSC anitoring Ser nitoring Ser nitoring Ser nis informatii hall maintair hall provide	PNNL
PRC	Receive service from and provide input to MSC MSC on is utilized on is utilized seismic sen actors shall r	PRC
TOC	Provide service to Site         Receive service         Rervice service         Receive service         Re	TOC
МТР	Receive service from and provide input to MSC MSC MSC MSC MSC MSC MSC MSC ovide the Hanfo al facilities, to al facilities, to al facilities, to al facilities to cor	WTP
RCCC	Receive Receive service service from and from and provide provide input to input to MSC MSC MSC activity and rd Site seismic netw support new facility rr seismic activity and tractors upon reque ments for services v	RCCC
Other Site Users	Receive service from and provide input to MSC MSC smic netwo smic netwo sw facility c services wf	Other Site Users
Requirements	Provide service to Stite         Receive service from and input to input to         Receive service from and input to         Receive service input to         Receive service input to         CRD 0 420.1, service input to         Funding provide by DOE –EM to           Stite         from and input to         input to input to         input to input to         from and input to         from and input to         from and input to         from and input to         DOE Guide 420.1- input to         MSC; provide input to         MSC; input to         input to         MSC; input to	Requirements
Cost Allocations	Funding provided by DOE –EM to MSC; provided at no cost to Hanford Site contractors gency operations ties on the Hanford	Cost Allocations

Contract DE-AC27-08RV14800 Modification 107 SF30 Continuation Page, Block 14 Page 9 of 15

TO:

Contract DE-AC27-08RV14800 Modification 107 SF30 Continuation Page, Block 14 Page 10 of 15

			Oversight (HEO)	service to Site contractors	MSC	MSC		MSC	. 6	MSC MSC	al IA, e	administration; Hanford Site contractors bear internal implementation costs
and a second in the second of the second sec	- 12	-										DOF -FM to MSC for
	!				· · · · · · · · · · · · · · · · · · ·		15 MOD			nnit to	Radiation	JOE -EM
			(		MSC	MSC				MSC	Protection of the	orogram
Sife MSC MSC												administra
Site MSC MSC MSC MSC MSC Protection of the				contractors			•••••					
Site MSC MSC MSC MSC MSC Protection of the Public and the												Hanford S
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Site MSC MSC MSC MSC MSC Protection of the contractors Environment											CRD 0 450.1A	ntornal
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Site MSC MSC MSC MSC Protection of the Public and the Environment CRD 0 450.1A, General											Environmental	
Site MSC MSC MSC MSC Protection of the Public and the Environment General Environmental												
Site MSC MSC MSC MSC Protection of the contractors MSC MSC MSC Public and the Environment General Environmental Protection											Protection	
Site MSC MSC MSC MSC Protection of the contractors MSC MSC MSC Public and the Environment CRD 0 450.1A, General Environmental Protection											Protection	
Site MSC MSC MSC MSC MSC Protection of the Public and the Environment Environment Environmental Environmental Protection HEO provides program management, coordination and integration of Public Safety and Resource Protection				HEO provid	es program	manageme	nt, coordinatio	and integra	tion of Pub	ic Safety a	Protection nd Resource Prot	ction (PS
Site       MSC       MSC       MSC       MSC       MSC       Protection of the Public and the Public and the Environment         contractors       HEO provides program management, coordination and integration of Public Safety and Resource Protection       CRD 0 450.1A, General       CRD 0 450.1A, General         HEO provides program management, coordination and integration of Public Safety and Resource Protection       Protection       Protection         Natural Resource Trustee activities.       Natural Resource Trustee       Natural Resource Trustee       Natural Resource Trustee				HEO provid functions. F Natural Res	es program IEO also pro ource Trust	manageme ovides tech	nt, coordinatio	n and integra	tion of Public	ic Safety a associate	Protection nd Resource Prot d with the PSRP	iction (PS program in
Site       MSC       MSC       MSC       MSC       MSC       Protection of the Public and the Public and the Environment         contractors       MSC       MSC       MSC       MSC       Public and the Public and the Public and the Environment         HEO provides program management, coordination and integration of Public Safety and Resource Protection       CRD 0 450.1A, General       Environmental         HEO provides program management, coordination and integration of Public Safety and Resource Protection       Protection       Protection         Natural Resource Trustee activities.       MSC shall provide annual undates of the Hanford Site National Environmental Policy Act (NEPA)       Protection				HEO provid functions. F Natural Res	es program IEO also pro ource Trust	manageme ovides tech ee activities	nt, coordinatio nical and admi	n and integra	tion of Public port to DOI	ic Safety a associate	Protection nd Resource Prot d with the PSRP olicy Act (NEPA)	ction (PS rogram ir
Site       MSC       MSC       MSC       MSC       MSC       Protection of the Public and the Public and the Environment         contractors       MSC       MSC       MSC       MSC       Public and the Environment         HEO provides program management, coordination and integration of Public Safety and Resource Trustee activities.       CRD 0 450.1A, General Environmental Protection         HEO status       HEO also provides technical and administrative support to DOE associated with the PSRP Protection         Natural Resource Trustee activities.       MSC shall provide annual updates of the Hanford Site National Environmental Policy Act (NEPA) Report.				HEO provid functions. H Natural Res MSC st Report.	es program IEO also pro ource Trust nall provide	manageme ovides tech ee activities annual upd	nt, coordinatio	n and integra	tion of Public port to DOI	ic Safety a ∃associate ⊃nmental F	Protection nd Resource Prot d with the PSRP olicy Act (NEPA)	ction (PS rogram ir <i>haracter</i>
Site     MSC     MSC     MSC     MSC     MSC     Protection of the Public and the Environment       contractors     MSC     MSC     MSC     Public and the Environment       HEO provides program management, coordination and integration of Public Safety and Resource Prot functions. HEO also provides technical and administrative support to DOE associated with the PSRP   Natural Resource Trustee activities.     MSC appropriate environmental data for its facility and opport.       MSC     MSC     MSC     MSC				HEO provid functions. F Natural Res MSC st Report.	es program IEO also pro ource Trust nall provide	manageme ovides tech ee activities annual upd	nt, coordinatio nical and admi ates of the <i>Har</i>	n and integra nistrative sup ford Site Na	tion of Publ port to DOI <i>tional Envir</i>	ic Safety a ∃ associate ⊃nmental F	Protection nd Resource Prot d with the PSRP olicy Act (NEPA) r its facility and o	rogram ir rogram ir <i>Sharacter</i>

Modification 107 SF30 Continuation Page, Block 14 Page 11 of 15
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Interface Number	28
Type of Interface	SI
Activity (Service - Mandatory)	Meteorological and Provide Climatological Services service to Site contractor The Hant and timely MSC clock infor spec
MSC (Service Provider)	Provide Receive service to service Site from an contractors provide input to MSC The Hanford Meteor and timely weather i enformation, eta special-use inf
PNNL	de Receive pe to service from and actors provide input to MSC Hanford Meteorolog mely weather infor imely weather infor dSC shall provide clock, easily retrie information, etc. MSC shall maintair
PRC	Receive service from and provide input to MSC MSC mation that rmation that all standard, ved and und ved and und standard, standard, ved and und
TOC	Provide service to Site         Receive service         Receive service from and provide         Receive service and provide         Receive service from and provide         Receive service service from and provide         Receive service service         Receive service         Receive service
¥ТР	Receive service from and provide input to MSC cludes 30 mc cludes 30 mc cludes 30 mc cludes action meteorologic
RCCC	Receive Receive service service from and from and provide provide input to input to MSC MSC MSC MSC onfor Hanford Site con for Hanford Site con on for Hanford Site con on for Hanford Site con on for Hanford Site con togical data. This invite al Monitoring system
Other Site Users	Receive service from and provide input to MSC MSC ord Site con a. This inclu a. This inclu
Requirements	e Hanford Site ar response. tractors, providin ides forecasts, he MSC may be ree
Cost Allocations	Provide         Receive         Receive         Receive         Receive         Receive         Funding provide of the cost of service         Funding provide of the cost of services, except for special-use         DOE – EM to MSC for the cost of services, except for special-use           Site         input to         input to         input to         input to         input to         input to         monitoring service         MSC         Site contractors         MSC         Site contractors         MSC         Site contractors         MSC         Site contractors         MSC         Site and provides accurate           Information, etc.         MSC         Shall maintain and operate the Hanford Meteorological Monitoring system.         MSC may be requeste

Number Interface 29 Interface Type of Surveillance Environmental (Interface) Activity and the public. Environmental Surveillance consists of far-field multimedia environmental monitoring to measure the concentration of contractors MSC input from radionuclides and chemicals in environmental media and assess the integrated effects of these materials on the environment to Site information provide and provide from and Receive Provider) (Service MSC Hanford Site contractors shall provide appropriate input to support MSC preparation of the annual Hanford Site Environmental Report and Hanford Site Environmental Surveillance Master Sampling Schedule Hanford cleanup activities as requested. Data and analysis shall be made available to the Hanford risk assessment at the Hanford Site surface environmental surveillance with the needs of the environmental clean-up, restoration, and assessment activities MSC shall assess impacts and risks of contaminants on human health in order to prepare the annual Hanford Site Environmental Report and the Hanford Site Environmental Surveillance Master Sampling Schedule; and align the MSC shall assess impacts and risks of Hanford contaminants on human health and the environment in support of activities. information information input to Receive PNNL input to provide MSC from and Receive PRC information to MSC provide input provide from and Receive TOC input to MSC information informati from and Receive WTP and on from MSC provide input to Receive RCCC n from and applicable MSC as provide informatio input to Receive Other Site Users DOE O 5400.5 CRD 0 450.1A Clean Air Act Clean Water Act Requirements costs. Hanford Site Funding provided by program DOE -EM to MSC for request for services contractors bear administration; implementation and internal **Cost Allocations** 

Contract DE-AC27-08RV14800 Modification 107 SF30 Continuation Page, Block 14 Page 12 of 15

		30	Interface Number
		S/I	Type of Interface
		Ecological Monitoring and Compliance – Site Wide	Activity (Interface & Service - Mandatory)
<ul><li>Hanford Sit</li><li>Allow a</li><li>Provide</li></ul>	Ecological M requiremen MSC shall: Assess and mc baselin majorit	Provide Receive service to service Site from an contractors provide input to MSC	MSC (Service Provider)
<ul> <li>Hanford Site contractors shall:</li> <li>Allow access to the Ecolo</li> <li>Provide ecological information</li> </ul>	Monitoring an Monitoring an ts; Biota is m ts; the impacts pritor the ab pritor the ab	Receive service from and provide input to MSC	P
s shall: Ecological I Information t	nd Complian nonitored to to biologica undance, vig protected b operations au compliance	Receive service from and provide input to MSC	PRC
Monitoring and the MSC fro	ogical Monitoring and Compliance is to achieve compliance irrements; Biota is monitored to access the abundance, vig shall: Assess the impacts to biological resources from Hanford and monitor the abundance, vigor, and distribution of plan baseline surveys of protected biological resources, specie majority of routine operations and clean-up are conducted Conduct ecological compliance reviews for Hanford Site of	Receive service from and provide input to MSC	TOC
d Compliance m their samp	ve compliance, vigu undance, vigu om Hanford S ution of plant urces, species e conducted anford Site co	Receive service from and provide input to MSC	WTP
activity fo ling activit	igor, or conc igor, or conc l Site operati ant and anim ies, and hab ies, and hab sd. contractors.	Receive service from and provide input to MSC	RCCC
r the purpo les such as	lition, and c ins and leg al populatic itats within	Receive service from and provide input to MSC as applicable	Other Site Users
se of collecting in CERCLA/RCRA	<ul> <li>Ecological Monitoring and Compliance is to achieve compliance with ecological resource-related legal and regulatory requirements; Biota is monitored to access the abundance, vigor, or condition, and distribution on the Hanford Site.</li> <li>Assess the impacts to biological resources from Hanford Site operations and legacy contaminants to the environ and monitor the abundance, vigor, and distribution of plant and animal populations on the Hanford Site. This inclubaseline surveys of protected biological resources, species, and habitats within key areas of the Hanford Site who majority of routine operations and clean-up are conducted.</li> <li>Conduct ecological compliance reviews for Hanford Site contractors.</li> </ul>	Receive Endangered service Species Act from and Migratory Bird input to Treaty Act MSC as applicable Resource Management Plan	Requirements
ford Site contractors shall: Allow access to the Ecological Monitoring and Compliance activity for the purpose of collecting information and samples. Provide ecological information to the MSC from their sampling activities such as CERCLA/RCRA risk assessments	ogical Monitoring and Compliance is to achieve compliance with ecological resource-related legal and regulatory inements; Biota is monitored to access the abundance, vigor, or condition, and distribution on the Hanford Site. C shall: Assess the impacts to biological resources from Hanford Site operations and legacy contaminants to the environment and monitor the abundance, vigor, and distribution of plant and animal populations on the Hanford Site. This includes baseline surveys of protected biological resources, species, and habitats within key areas of the Hanford Site where the majority of routine operations and clean-up are conducted. Conduct ecological compliance reviews for Hanford Site contractors.	Funding provided by DOE –EM to MSC for program administration; Hanford Site contractors bear internal implementation costs.	Cost Allocations

Contract DE-AC27-08RV14800 Modification 107 SF30 Continuation Page, Block 14 Page 13 of 15

	33	Interface Number
	l/s	Type of Interface
	Cultural and Historic Resource Program	Activity (Service - Mandatory)
<ul> <li>MSC s</li> <li>MSC s</li> <li>perform perform Hanfor all such</li> <li>Hanfor scope o</li> <li>Plan's</li> </ul>	Provide service to contractors	MSC (Service Provider)
and docume ated laws, D hall monitor ned to docur n NHPA Sec n NHPA Sec d Site cultur d Site cultur d Site contra d Site contra d Site contra f work that c n work that c	Receive service from and MSC MSC	PNN
OE directive and support ment the occ and histor al and histor actors shall p actors shall p provide to N <i>ural &amp; Histor</i> lelines) shall	Receive service provide input to MSC	PRC
<ul> <li>MSC shall monitor and support the resource and potential Site-wi performed to documents and addresses any real or potential Site-wi performed to document the occurrence of protection activities of perform NHPA Section 106 Reviews for Hanford Site contractors; ev perform Site cultural and historic resource site files (hard copy an all such work that occurs at the Hanford Site; and curate files and Hanford Site contractors shall provide information to the MSC nec scope of work, and provide to MSC information and materials to s <i>Plan's</i> (CLUP) <i>Cultural &amp; Historic Resource Program Plan</i>. In par standards and guidelines) shall utilize the MSC project records an</li> </ul>	Receive service from and provide input to MSC	TOC
il or potentia binding agre protection ac tected resou ord Site cont e files (hard e files (hard and curate f and curate f and curate f and curate f and curate f and curate f corgram Plan	Receive service from and input to MSC	MTP
I Site-wide eements. xtivities of F urces; evalu- tractors; materials tractors; materials tractors; materials tractors; materials and art illes and art illes and art illes to supp n. In particu- cords and f	Provide input to MSC	RCCC
issues and lanford Site lantain, esta lectronic) a lectronic) a lifacts in ac sary to perf sary to perf sary to perf lifes for bac	Receive service from and provide input to MSC as applicable	Other Site Users
<ul> <li>Become and provide resource program and provide incomposition processing in processing in the properties of the properties of the provide information to the MSC necessary to perform NHPA Section 106 Reviews for properties in the provide to MSC information and materials to support MSC execution of the Comprehensive Lar plan's (CLUP) Cultural &amp; Historic Resource Program Plan. In particular, mission contractors (who meet 36 CFR 61 standards and guidelines) shall utilize the MSC project records and files for background research.</li> </ul>	National Historic Preservation Act (NHPA), American Indian Religious Freedom Act Archaeological Archaeological Resources Protection Act Graves Protection and Repatriation Act	Requirements
Cultural and thistoric resource regram administers and program of processing reactions of the processing reaction of processing reactions and addresses any real or potential Site-wide issues and their impacts; and assures compliance associated laws, DOE directives, and legally-binding agreements. MSC shall monitor and support the resource protection activities of Hanford Site contractors; coordinate surveys performed to document the occurrence of protected resources; evaluate and document impacts to protected resources; evaluate and document impacts to protected resources; perform NHPA Section 106 Reviews for Hanford Site contractors; maintain, establish procedures for and manage Hanford Site cultural and historic resource site files (hard copy and electronic) and associated compliance project files for all such work that occurs at the Hanford Site; and curate files and artifacts in accordance with 36 CFR 79. Hanford Site contractors shall provide information to the MSC necessary to perform NHPA Section 106 Reviews for their scope of work, and provide to MSC information and materials to support MSC execution of the Comprehensive Land Use Plan's (CLUP) Cultural & Historic Resource Program Plan. In particular, mission contractors (who meet 36 CFR 61 standards and guidelines) shall utilize the MSC project records and files for background research.	National HistoricFunding provided byPreservation ActDOE –EM to MSC forPregramprogramAmerican Indianadministration;American IndianHanford SiteFreedom ActinternalArchaeologicalimplementation andArchaeologicalrequest-for-servicesProtection ActcostsProtection andcostsProtection andcostsProtection andcostsProtection andcostsProtection andcosts	Cost Allocations

Contract DE-AC27-08RV14800 Modification 107 SF30 Continuation Page, Block 14 Page 14 of 15  Update Section J, Attachment J.2, page J.2-7, to add DOE Order 203.1, LIMITED PERSONAL USE OF GOVERNMENT OFFICE EQUIPMENT INCLUDING INFORMTION TECHNOLOGY, at no additional cost to the government. The change is as follows:

#### FROM:

· · · · ·	DOE O 200-1A	Information Technology Management	].
	DOE O 205.1A	DOE Cyber Security Management	

#### <u>TO:</u>

DOE O 200-1A	Information Technology Management
DOE O 203.1	Limited Personal Use of Government Office Equipment Including Information
DOE O 205.1A	DOE Cyber Security Management

- 3. Attached to this modification are replacement pages for Section J, Attachment J.2, page J.2-6 and Section J, Attachment J.3, Hanford Site Services and Interface Requirements Matrix, Pages J.3-21 thru J.3-26.
- 4. **Contractor's Statement of Release-**In consideration of the modification(s) agreed to herein for the incorporation of DOE O 203.1 with no cost impact to DOE, the Contractor hereby releases the Government from any and all liability under this contract for the no cost impact incorporation of DOE O 203.1.
- 5. All other Terms and Conditions remain unchanged.

#### **REPLACEMENT PAGES**

(Total: Seven (7) including this Cover Page)

Section J, Page J.2-6

Section J, Attachment J.3, Pages J.3-21 thru J.3-25

Document Number	Title
	International Atomic Energy Agency
DOE M 142.2-1	Voluntary Offer Safeguards Agreement and Additional Protocol with the International Atomic Energy Agency
DOE O 142.3 A	Unclassified Foreign Visits and Assignments Program
DOE N 144.1	Change to DOE Order 1230.2
DOE O 150.1	Continuity Programs
DOE O 151.1C	Comprehensive Emergency Management System
DOE O 153.1	Departmental Radiological Emergency Response Assets
DOE O 200-1A	Information Technology Management
DOE O 203.1	Limited Personal Use of Government Office Equipment Including Information
DOE O 205.1A	DOE Cyber Security Management
DOE M 205.1-4	National Security System Manual
DOE O 206-1	Department of Energy Privacy Program
DOE N 206.4	Personal Identity Verification
DOE N 206.5	Response and Notification Procedures for Data Breaches Involving Personally Identifiable Information
DOE O 210.2	DOE Corporate Operating Experience Program
DOE O 221.1A	Reporting Fraud, Waste, and Abuse to the Office of Inspector General
DOE O 221.2A	Cooperation With the Office of the Inspector General
DOE O 225.1A	Accident Investigations
DOE O 226.1A	Implementation of DOE Oversight Policy
DOE G 231.1-1	Occurrence Reporting and Performance Analysis Guide
DOE M 231.1-1A, Chg 2	Environment, Safety, and Health Reporting Manual
DOE O 231.1A Chg 1	Environment, Safety and Health Reporting
DOE M 231.1-2	Occurrence Reporting and Processing of Operations Information
DOE N 234.1	Reporting of Radioactive Sealed Sources
DOE O 241.1A, Chg 1	Scientific and Technical Information Management
DOE O 243.1	Records Management Program
DOE O 243.2	Vital Records
DOE M 250.1-5, Chg 2	Cyber Security Process Requirements Manual
DOE M 250.1-6, Chg 2	Media Sanitization Manual
DOE M 250.1-7, Chg 2	Security Controls for Unclassified Information Systems Manual
DOE M 250.1-8, Chg 2	Cyber Security Incident Management Manual
DOE O 251.1C	Departmental Directives Program
DOE O 252.1	Technical Standards Program
DOE O 350.1, Chg 3	Contractor Human Resource Management Program
DOE O 413.1A	Management Control Program
Reserved	
DOE O 413.3B	Program and Project Management for the Acquisition of Capital Assets
DOE O 414.1C	Quality Assurance

Interface     Type of Interface     Activity (Service - Mandatory)       26     S     Seismic Monitoring       26     S     Seismic Monitoring       27     I     Hanford       27     I     Hanford Environmental       27     I     Hanford Environmental	(X)o		PRC Receive service from and provide input to MSC MSC MSC seismic sens seismic sens eismic inform	ASC ervicePNNLPRCTOCWTPRCCCOther SiteRequiremeerviceerviceReceiveReceiveReceiveRequiremeRequiremeideReceiveReceiveReceiveReceiveReceiveCRD 0 420.1,ice toserviceserviceserviceserviceReceiveCRD 0 420.1,ice toserviceserviceserviceserviceserviceReceive/Requiremefrom andfrom andprovideprovideprovideprovide1, Section 4.7,ractorsprovideinput toinput toinput toinput tothereserviceMSCMSCMSCMSCMSCMSCReceiveredd. This information is utilized for operate the Hanford Site seismic network and providefremergencycommunicaticMSC shall maintain seismic sensors and systems, monitor seismic activity and report seismic site.Site.MSC shall report seismic activity and report seismic site.MSC shall provide seismic information to Hanford Site contractors upon request.MSC services when necessary.	WTP Receive service from and provide input to MSC MSC MSC ente the Hanfo te the Hanfo te the Hanfo ford Site cor ford Site cor	RCCC Receive service from and provide input to MSC MSC MSC and Site seit o support ne o support ne o support ne o support ne o support ne o support ne	Other Site Users Receive service from and provide input to MSC MSC MSC activity and r activity and r pon request services wh	MSC (Service Provide)NNLPRCTOCWTPRCCCUther Site UsersRequirementsCost AllocatioProvide ProvideReceiveReceiveReceiveReceiveRequirementsCost AllocatioProvide ProvideReceiveReceiveReceiveReceiveReceiveCRD 0 420.1,Funding provideProvide ReceiveReceiveReceiveReceiveReceiveReceiveReceiveReceivedReceivedRenorm and from and from and from and input to input toprovideInput toProvideProvideProvideProvideSite contractors input toprovideprovideprovideProvideProvideProvideProvideSite contractors input toprovideprovideprovideProvideProvideProvideProvideSite contractors input toMSCMSCMSCMSCProvideProvideProvideSite contractors for metionMSCMSCMSCMSCProvideProvideProvideSeismic Monitoring Services are required to operate the Hanford Site seismic network and provide report activities as contractorsMSC shall maintain seismic sensors and systems, monitor seismic activity and report seismic activities on the HanfoSite.MSC shall provide seismic information to Hanford Site contractors upon request.MSC shall provide report activities on the HanfoSite.MSC shall provide seismic information to Hanford Site contractors upon request.MSC second second<	PNNLPRCTOCWTPRCCCOther SiteRequirementsCost AllocationsCeiveReceiveReceiveReceiveReceiveCRD 0 420.1,Funding provided 1viceserviceserviceserviceserviceFacility Safetyby DOE –EM toviceserviceserviceserviceserviceserviceservicereduing provided 1viceserviceserviceserviceserviceserviceserviceservicewideprovideinput toprovideprovide1, Section 4.7,by DOE –EM towideprovideinput toinput toinput toinput toinput towideprovideinput tomout tomout toinput toinput towideinput toMSCMSCMSCPreparedness andsite contractorswideinput toinput toinput toinput toinput toinput towideinput toMSCMSCMSCPreparedness andsite contractorsstring Services are required to operate the Hanford Site seismic network and provide report activities asingencyno cost to Hanfording Services are required to operate the Hanford Site seismic network and for emergency operationsno cost to Hanfording Services are required to operate the Hanford Site seismic network and for emergency operationsno cost to Hanfording Services are required to operate the Hanford Site seismic network and report seismic seismic seismic seismic seismic seismic seismic seismic
S			Receive service from and provide input to MSC MSC ces are requ is utilized fi seismic seni eismic inforr tors shall re	Receive service from and provide input to MSC MSC uired to operational or operational sors and syste mation to Han equest and pro	Receive service from and provide input to MSC MSC te the Hanfo te the Hanfo te the Hanfo ford Site cor ford Site cor	Receive service from and provide input to MSC MSC MSC and Site sei or support no support no r seismic a ntractors u	Receive from and provide input to MSC mSC msmic netwo ew facility c ew facility c activity and pon reques services wl	CRD O 420.1, Facility Safety DOE Guide 420.1 1, Section 4.7, "Emergency Preparedness and Emergency Communications ork and provide repo design and for emer design and for emer teport seismic activ ten necessary.	Funding provided   by DOE -EM to MSC; provided at   no cost to Hanford Site contractors fr activities as gency operations gency operations
Type of Interface	Seismic Mo needed. Th activities. • MSC sh • MSC sh • Hanford		ces are requised fit is utilized fit seismic sens eismic sens tesmic inforr stors shall re	irred to operat or operational sors and syste mation to Ham equest and pro	te the Hanfo I facilities, to ams, monito ford Site cor ovide require	ind Site seit support ne r seismic a ntractors ul ements for	smic netwo ew facility c tctivity and pon reques services wh	ork and provide repo design and for emer report seismic activ st. hen necessary.	rt activities as gency operations ties on the Hanford
Type of Interface	<ul> <li>MSC st Site.</li> <li>MSC st</li> <li>Hanforc</li> </ul>	hall maintain : hall provide se d Site contrac	seismic sens eismic inforr tors shall re	sors and syste mation to Hant equest and prc	ems, monito ford Site cor ovide require	r seismic a ntractors u <sub>l</sub> ements for	ictivity and pon reques services wh	report seismic activ st. hen necessary.	ties on the Hanford
Type of Interface	<ul> <li>Hanford</li> </ul>	d Site contrac	tors shall re-	duest and pro			Services WI	lieli ilecessai y.	
	(Service	PNNL	PRC	о Р С	WTP	RCCC	Other Site Users	Bequirements	Cost Allocations
_	Provider)		Daliver	Deliver innut Deliver	Deliver	Deliver	Deliver	DOE 0 5400.5,	Funding provided by
	service to Site	input to MSC	input to MSC	to MSC	input to MSC	input to MSC	input to MSC	(D	DOE –EM to MSC for program administration;
								Environment CRD O 450.1A,	Hanford Site contractors bear
									internal
								Environmental	implementation costs
								Protection	
	HEO provid functions. F	HEO also prov	nanagement vides technic	t, coordination cal and admin	n and integra	ation of Pul oport to DC	blic Safety )E associat	HEO provides program management, coordination and integration of Public Safety and Resource Protection (PSRP) functions. HEO also provides technical and administrative support to DOE associated with the PSRP program including	ction (PSRP) rogram including
	Natural Kes	Natural Resource I rustee activities.	e activities.			1	l oto o contrati		haracterization
	<ul> <li>MSC shall Report.</li> </ul>	hall provide a	innual updat	tes of the Han	tord Site Na	ilional Envi	Ironmental	provide annual updates of the <i>Hantord Site National Environmental Policy Act</i> (IVEFA) Site Acterization	יו ומו מכופוו במווטו
	Hanfore	d Site contrac	stors shall pr	rovide to MSC	) appropriate	environm Hanford S	ental data 1	Hanford Site contractors shall provide to MSC appropriate environmental data for its facility and operable units to	erable units to

J-3-21

Requirements Cost Allocations	Funding provided by DOE –EM to MSC for the cost of services, except for special-use information requested by Site contractors	<ul> <li>The Hanford Meteorological Monitoring System includes 30 monitoring stations on the Hanford Site and provides accurate and timely weather information that enable safe conduct of activities and emergency response.</li> <li>MSC shall provide all standard, weather-related information for Hanford Site contractors, providing detailed around-the-clock, easily retrieved and understood, real time meteorological data. This includes forecasts, heat indices, historical information, etc.</li> </ul>	MSC shall maintain and operate the Hanford Meteorological Monitoring system. MSC may be requested to provide special-use information by Site contractors. Hanford Site contractors shall request and provide requirements for service.	
ē	Receive service from and provide input to MSC	<ul> <li>The Hanford Meteorological Monitoring System includes 30 monitoring stations on the Hanford and timely weather information that enable safe conduct of activities and emergency response.</li> <li>MSC shall provide all standard, weather-related information for Hanford Site contractors, p clock, easily retrieved and understood, real time meteorological data. This includes forec information, etc.</li> </ul>	j system. MSC ma rvice.	
	Receive R service su from and fr provide p input to ir MSC N	onitoring stat tivities and er on for Hanfor Nogical data.	cal Monitorinç ements for se	
WIP	Receive service from and provide input to MSC	cludes 30 m onduct of act ed informatio ime meteoro	Meteorologi ovide require	
Toc	Receive service from and provide input to MSC	ing System in enable safe co weather-relat erstood, real t	MSC shall maintain and operate the Hanford Meteorological Monitoring syst special-use information by Site contractors. Hanford Site contractors shall request and provide requirements for service.	
PRC	Receive service from and provide input to MSC	gical Monitori rmation that e all standard, ved and unde	ASC shall maintain and operate the Hanford special-use information by Site contractors. Hanford Site contractors shall request and p	
PNNL	Receive service from and provide input to MSC	Hanford Meteorolo imely weather info MSC shall provide clock, easily retrie information, etc.	aall maintair I-use inform I Site contra	
MSC (Service Provider)	Provide service to Site contractors	The Hanford and timely w MSC sh clock, informa	<ul> <li>MSC st specia</li> <li>Hanforc</li> </ul>	
Activity (Service - Mandatory)	Meteorological and Climatological Services			
Type of Interface	S/I			
Interface Number	28			

Interface         Type of Number         Activity Interface         MSC Service Provider Interface         NNL         PRC         TOC         WTP         RCCS         Other Site Users         Requirements         Cost Allocations           29         1         Environmental         Receive Input for information provide information provide information provide information provide information provide information provide information provide input to information provide input to input	Type of Activity Interface (Interface) I Environmental Surveillance	2 2	ontract No.	contract No. DE-AC27-08RV14800	0							Modific	Modification 107
I Environmental Surveillance	- Environmental Surveillance	Interface Number	Type of Interface		MSC (Service Provider)	INNI	PRC	Toc	WTP	RCCC	2	Requirements	Cost Allocations
<ul> <li>Environmental Surveillance consists of far-field multimedia environmental monitoring to measure the concentration of radionuclides and chemicals in environmental media and assess the integrated effects of these materials on the environmen and the public.</li> <li>MSC shall assess impacts and risks of contaminants on human health in order to prepare the annual <i>Hanford Site Environmental Surveillance Master Sampling Schedule</i>; and align the surface environmental surveillance with the needs of the environmental clean-up, restoration, and assessment activities at the Hanford Site <i>Environmental Surveillance Master Sampling Schedule</i>; and align the surface environmental surveillance with the needs of the environmental clean-up, restoration, and assessment activities at the Hanford Site.</li> <li>MSC shall assess impacts and risks of Hanford contaminants on human health and the environment in support of Hanford Site.</li> <li>MSC shall assess impacts and risks of Hanford contaminants on human health and the environment in support of Hanford cleanup activities as requested. Data and analysis shall be made available to the Hanford risk assessment activities.</li> <li>Hanford Site contractors shall provide appropriate input to support MSC preparation of the annual <i>Hanford Site Environmental Surveillance Master Sampling Schedule</i>.</li> </ul>	<ul> <li>Environmental Surveillance consists of far-field multimedia environmental monitoring to measure the concentration of radionuclides and chemicals in environmental media and assess the integrated effects of these materials on the environmental monitoring to measure the annual <i>Hanford Sit</i>.</li> <li>MSC shall assess impacts and risks of contaminants on human health in order to prepare the annual <i>Hanford Sit</i>.</li> <li>MSC shall assess impacts and risks of the environmental clean-up, restoration, and assessment at a the Hanford Site. <i>Environmental Surveillance Master Sampling Schedule</i>; and align the surface environmental surveillance with the needs of the environmental clean-up, restoration, and assessment at the Hanford Site.</li> <li>MSC shall assess impacts and risks of Hanford contaminants on human health and the environment in support o Hanford cleanup activities as requested. Data and analysis shall be made available to the Hanford risk assessment at activities.</li> <li>Hanford cleanup activities as requested. Data and analysis shall be made available to the Hanford Site <i>Environmental Surveillance Master Sampling Schedule</i>.</li> </ul>	29	<b></b>	Environmental Surveillance	Receive input from and provide information to Site contractors	Receive information from and provide input to MSC	Receive information from and provide input to MSC	Receive information from and provide input to MSC	Receive information from and provide input to MSC	Receive informati on from and provide input to MSC	Receive informatio and provide input to MSC as applicable	DOE O 5400.5 CRD O 450.1A Clean Water Act Clean Air Act	Funding provided by DOE –EM to MSC fo program administration; Hanford Site contractors bear internal inplementation and request for services costs.
<ul> <li>MSC shall assess impacts and risks of contaminants on human nearth in order to prepare the animular narmou one Environmental Report and the Hanford Site Environmental Surveillance Master Sampling Schedule; and align the surface environmental surveillance with the needs of the environmental clean-up, restoration, and assessment activities at the Hanford Site.</li> <li>MSC shall assess impacts and risks of Hanford contaminants on human health and the environment in support of Hanford cleanup activities as requested. Data and analysis shall be made available to the Hanford risk assessment activities activities.</li> <li>Hanford cleanup activities as requested. Data and analysis shall be made available to the Hanford risk assessment activities.</li> <li>Hanford Site contractors shall provide appropriate input to support MSC preparation of the annual Hanford Site Environmental Surveillance Master Sampling Schedule</li> </ul>	<ul> <li>MSC shall assess impacts and risks of contaminants on human neartin to grepting the <i>Environmental Report</i> and the <i>Hanford Site Environmental Surveillance Master Sampling Schedule</i>; and align the surface environmental surveillance with the needs of the environmental clean-up, restoration, and assessment a state Hanford Site.</li> <li>MSC shall assess impacts and risks of Hanford contaminants on human health and the environment in support of Hanford Clean and analysis shall be made available to the Hanford fisk.</li> <li>MSC shall assess impacts and risks of Hanford contaminants on human health and the environment in support of Hanford Clean up activities as requested. Data and analysis shall be made available to the Hanford fisk assessment activities.</li> <li>Hanford Site contractors shall provide appropriate input to support MSC preparation of the annual <i>Hanford Site Environmental Surveillance Master Sampling Schedule</i>.</li> </ul>				Environmen radionuclide and the pub	tal Surveillar s and chemi lic.	nce consists icals in envir	of far-field mu onmental med	Ittimedia env lia and asses	ironmental ss the integ	monitoring rated effect	to measure the c s of these materi	als on the environmer
<ul> <li>MSC shall assess impacts and risks of Hanford contaminants on human health and the environment in support of Hanford cleanup activities as requested. Data and analysis shall be made available to the Hanford risk assessment activities.</li> <li>Hanford Site contractors shall provide appropriate input to support MSC preparation of the annual <i>Hanford Site Environmental Surveillance Master Sampling Schedule Environmental Report and Hanford Site Environmental Surveillance Master Sampling Schedule</i></li> </ul>	<ul> <li>MSC shall assess impacts and risks of Hanford contaminants on human health and the environment in support of Hanford cleanup activities as requested. Data and analysis shall be made available to the Hanford risk assessme activities.</li> <li>Hanford Site contractors shall provide appropriate input to support MSC preparation of the annual <i>Hanford Site Environmental Surveillance Master Sampling Schedule</i></li> </ul>				MSC st Environ surface at the H	nall assess ir <i>mental Rep</i> o environmen lanford Site.	npacts and r <i>ort</i> and the <i>H</i> Ital surveillar	isks of contan lanford Site El ice with the ne	ninants on hu <i>nvironmental</i> seds of the e	uman healt Surveillan nvironmen	h in order to ce Master S tal clean-up	o prepare the ann Sampling Schedu , restoration, and	ual <i>Hamord Site</i> e; and align the assessment activities
<ul> <li>Hanford Site contractors shall provide appropriate input to support MSC preparation of the annual Hanford Site Environmental Report and Hanford Site Environmental Surveillance Master Sampling Schedule</li> </ul>	Hanford Site contractors shall provide appropriate input to support MSC preparation of the annual Hanford Site Environmental Surveillance Master Sampling Schedule  Revironmental Report and Hanford Site Environmental Surveillance Master Sampling Schedule				MSC st Hanforc activitie	nall assess ir d cleanup ac s.	npacts and r tivities as rec	isks of Hanfor quested. Data	d contamina and analysis	ints on hum s shall be n	ian health a nade availal	ind the environme ble to the Hanforc	ent in support of I risk assessment
					<ul> <li>Hanford</li> <li>Environ</li> </ul>	l Site contra mental Repo	ctors shall pr ort and Hanfi	ovide appropi ord Site Enviro	iate input to onmental Su	support M: rveillance /	SC preparat Aaster Sam	tion of the annual <i>pling Schedule</i>	Hanford Site

J-3-23

## Section J

Section J Modification 107

Interface Number	Type of Interface	Activity (Interface & Service - Mandatory)	MSC (Service Provider)	PNNL	PRC	ğ	WTP	RCCC	Other Site Users	Requirements	Cost Allocations
30	SI	Ecological Monitoring and Compliance – Site Wide	Provide Receive service to service Site from and contractors provide input to MSC	Receive service from and provide input to MSC	Receive service from and provide input to MSC	Receive Receive service from service and provide from an input to provide MSC input to	Receive service provide input to MSC	Receive Receive service service from and from and provide provide input to input to MSC as MSC as	Receive service from and provide input to MSC as applicable	Receive Endangered service Species Act from and <i>Migratory Bird</i> provide <i>Treaty Act</i> input to Hanford Site MSC as Resource applicable Management Plan	Funding provided by DOE –EM to MSC for program administration; Hanford Site contractors bear internal internal
			Ecological M requirement MSC shall:	lonitoring an s; Biota is m	d Complian onitored to a	ce is to achiev access the abu	e complianc indance, vig	e with ecol or, or cond	ogical reso ition, and d	Ecological Monitoring and Compliance is to achieve compliance with ecological resource-related legal and regulatory requirements; Biota is monitored to access the abundance, vigor, or condition, and distribution on the Hanford Site. MSC shall:	and regulatory łanford Site.
			Assess and mo baseline majority     Conduc	the impacts nitor the abu surveys of of routine o t ecological	to biologica Indance, vig protected bi perations ar compliance	Assess the impacts to biological resources from Hanford Site operati and monitor the abundance, vigor, and distribution of plant and anim baseline surveys of protected biological resources, species, and hab majority of routine operations and clean-up are conducted. Conduct ecological compliance reviews for Hanford Site contractors.	m Hanford S ution of plan rces, specie e conducted inford Site c	Site operation t and animation s, and habion ontractors.	ons and lec al populatio tats within	jacy contaminants ins on the Hanford key areas of the H	Assess the impacts to biological resources from Hanford Site operations and legacy contaminants to the environment and monitor the abundance, vigor, and distribution of plant and animal populations on the Hanford Site. This includes baseline surveys of protected biological resources, species, and habitats within key areas of the Hanford Site where the majority of routine operations and clean-up are conducted. Conduct ecological compliance reviews for Hanford Site contractors.
			Hanford Site <ul> <li>Allow ac</li> <li>Provide</li> </ul>	<ul> <li>Hanford Site contractors shall:</li> <li>Allow access to the Ecolo</li> <li>Provide ecological inform:</li> </ul>	s shall: Ecological N nformation t	Monitoring and o the MSC fror	Compliance n their samp	e activity fo	r the purpo ies such as	ford Site contractors shall: Allow access to the Ecological Monitoring and Compliance activity for the purpose of collecting information and san Provide ecological information to the MSC from their sampling activities such as CERCLA/RCRA risk assessments	ford Site contractors shall: Allow access to the Ecological Monitoring and Compliance activity for the purpose of collecting information and samples. Provide ecological information to the MSC from their sampling activities such as CERCLA/RCRA risk assessments

J-3-24

Cost Allocations	National Historic Funding provided by Preservation Act DOE –EM to MSC for (NHPA), program American Indian administration; Religious Hanford Site Freedom Act contractors bear Archaeological internal Resources internal Protection Act request-for-services Native American costs Graves Protection and Repatriation Act	Cultural and Historic Resource Program administers the program for protecting Hanford Site cultural and historic urces, and documents and addresses any real or potential Site-wide issues and their impacts; and assures compliance associated laws, DOE directives, and legally-binding agreements. MSC shall monitor and support the resource protection activities of Hanford Site contractors; coordinate surveys performed to document the occurrence of protected resources; evaluate and document impacts to protected resources; perform NHPA Section 106 Reviews for Hanford Site contractors; maintain, establish procedures for and manage Hanford Site contractors in accordance with 36 CFR 79. Hanford Site contractors shall provide information to the MSC necessary to perform NHPA Section 106 Reviews for their second and artifacts in accordance with 36 CFR 79. Hanford Site contractors shall provide information to the MSC necessary to perform NHPA Section 106 Reviews for their second and artifacts in accordance with 36 CFR 79. Hanford Site contractors shall provide information and materials to support MSC execution of the <i>Comprehensive Land Use Plan's</i> (CLUP) <i>Cultural &amp; Historic Resource Program Plan.</i> In particular, mission contractors (who meet 36 CFR 61 <i>Plan's</i> (CLUP) <i>Cultural &amp; stablise</i> ) shall utilize the MSC project records and files for background research.	
	National Historic Preservation Act (NHPA), American Indian Religious Freedom Act Archaeological Resources Protection Act Native American Graves Protection and Repatriation Act	Cultural and Historic Resource Program administers the program for protecting Hanford Site cultural and historic urces, and documents and addresses any real or potential Site-wide issues and their impacts; and assures compl associated laws, DOE directives, and legally-binding agreements. MSC shall monitor and support the resource protection activities of Hanford Site contractors; coordinate surveys performed to document the occurrence of protected resources; evaluate and document impacts to protected resol perform NHPA Section 106 Reviews for Hanford Site contractors; maintain, establish procedures for and manage Hanford Site cultural and historic resource site files (hard copy and electronic) and associated compliance project all such work that occurs at the Hanford Site; and curate files and artifacts in accordance with 36 CFR 79. Hanford Site contractors shall provide information to the MSC necessary to perform NHPA Section 106 Reviews for such and materials to support MSC execution of the <i>Comprehensive Listoric Resource Program Plan</i> . In particular, mission contractors (who meet 36 CFR 6 <i>Plan's</i> (CLUP) <i>Cultural &amp; Historic Resource Program Plan</i> . In particular, mission contractors (who meet 36 CFR 6 <i>Plan's</i> (CLUP) <i>Cultural &amp; Historic Resource Program Plan</i> . In particular, mission contractors (who meet 36 CFR 6 <i>Plan's</i> (CLUP) <i>Cultural &amp; Historic Resource Program Plan</i> . In particular, mission contractors (who meet 36 CFR 6 <i>Plan's</i> (CLUP) <i>Cultural &amp; Historic Resource Program Plan</i> . In particular, mission contractors (who meet 36 CFR 6 <i>Plan's</i> (CLUP) <i>Cultural &amp; Historic Resource Program Plan</i> . In particular, mission contractors (who meet 36 CFR 6 <i>Plan's</i> (CLUP) <i>Cultural &amp; Historic Resource Program Plan</i> .	
Other Site Users	Receive service provide input to MSC as applicable	r protecting issues and lanford Site uate and do aintain, esta electronic) a tifacts in ac ssary to perf ssary to perf port MSC e ular, missio	
RCCC	Provide input to MSC	program fou al Site-wide eements. (ctivities of h urces; eval ntractors; m files and ar files and ar files and ar files and ar files and ar files and ar files and ar	
MTP	Receive service provide mSC	initisters the all or potenti protection <i>a</i> protection <i>a</i> protected resc ford Site col te files (harc and curate ation to the ation to the on and matt	
10	Receive service from and provide input to MSC	I Historic Resource Program administers the program documents and addresses any real or potential Site-wi laws, DOE directives, and legally-binding agreements. nonitor and support the resource protection activities c o document the occurrence of protected resources; ev PA Section 106 Reviews for Hanford Site contractors; e cultural and historic resource site files (hard copy an k that occurs at the Hanford Site; and curate files and e contractors shall provide information to the MSC nec ork, and provide to MSC information and materials to s iP) <i>Cultural &amp; Historic Resource Program Plan</i> . In par ind guidelines) shall utilize the MSC project records an	
C C C C C C C C C C C C C C C C C C C	Receive service from and input to MSC	c Resource F hts and addre DE directives and support to nent the occu- tion 106 Revi al and histori cours at the I ctors shall pr ctors shall pr etines) shall pr elines) shall pr	
PNNL	Receive service from and provide MSC MSC	I and Histori and documer ated laws, DC all monitor a n NHPA Sect of Site culture of work, and of work, and of work, and d Site contra d a d site contra d a d site contra d a d d d d d d d d d d d d d d d d d	
MSC (Service Provider)	Provide Receive service to service Site from an contractors provide input to MSC	<ul> <li>The Cultural and resources, and d with associated l with associated l performed tt perform NHI Hanford Site all such worl</li> <li>Hanford Site all such worl site scope of wo <i>Plan's</i> (CLU <i>Plan's</i> (CLU</li> </ul>	
Activity (Service - Mandatory)	Cultural and Historic Resource Program		
Type of Interface	ST.		
Interface Number	31		

Section J Modification 107

J-3-25

# Tank Operations Contract Contract No. DE-AC27-08RV14800