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		Project Information							
Project Title:	Binary Power Unit	Test (Date:	3-29-2010 8067-768					
DOE Code:	6730.020.61045		Contractor Code:						
Project Lead:	Lyle Johnson								
4. What major equ	vironmental	The purpose of the project is to do confirmation testing of the bir temperatures and rates. This test will be conducted in a location infrastructure installed for another project consisting of a hot-wat hot water is from well 17-WX-21, a Madison well adjacent to the pumped from Little Teapot Creek through an existing line and the be no environmental impacts.	er source and a cooling was siting location. The cooling	EA. It will uses ater source. The ng water will be					

The table below is to be completed by the Project Lead and reviewed by the Environmental Specialist and the DOE NEPA Compliance Officer. NOTE: If Change of Scope occurs, Project Lead must submit a new NEPA Compliance Survey and contact the Technical Assurance Department.

		mpac ticipat		If YES, then complete below	
Water Quality	Yes	No	NA	If the anticipated impact might be unacceptable, recommend mitigation measures:	
Does the proposed project present potential for impacts on water resources or water quality?					
Does the project affect surface water quantity or quality under both normal operations and accident conditions?				Cooling water will be removed/pumped from Little Teapot Creek and returned to Teapot Creek. The removal point is approximately 75 feet from the merge point of Little Teapot and Teapot Creeks.	
Does the proposed project effect groundwater quantity or quality under both normal operations and accident conditions?					
Will the project area include "Waters of the State?"					
Will the project area require a Corps of Engineers permit?				-	

		Impact ticipat		If YES, then complete below.	
Geology & Soils	Yes	No	NA	If the anticipated impact might be unacceptable, recommend mitigation measures:	
Does the proposed project present potential for impacts related to geology or soils?					
Does the proposed project alter, excavate or otherwise disturb land area consistent with other land use and habitat area?					
Is the proposed project likely to impact local seismicity?					
If the project involved disturbance of surface soils, are erosion and storm water control measures addressed?					
Air Quality	Yes	No	NA	If the anticipated impact might be unacceptable, recommend mitigation measures:	
Does the proposed action present potential for impacts on ambient air quality under both normal and accident conditions?					
Are potential emissions (gases and/or airborne particulates including dust) outside of the normal scope for oil field operations?				The unit has an ammonia-water working fluid system. The system has an emergency vent system. The system will be piped to a water tank to capture any ammonia released.	
Does the project present risk to human health and the environment from exposure to radiation and hazardous chemicals in emissions?					
Is the project subject to New Source Performance Standards?					
Is the project subject to National Emissions Standards for Hazardous Air Pollutants?					
Is the project subject to emissions limitations in an Air Quality Control Region?					

	Impa Antic	icts cipate	d?	If YES, then complete below.
Wildlife and Habitat	Yes	No	NA	If the anticipated impact might be unacceptable, recommend mitigation measures:
Does the proposed action present potential for impacts on wildlife or habitat?				
Does the project impact state or federally listed threatened and endangered species?				
Human Health Effects	Yes	No	NA	If the anticipated impact might be unacceptable, recommend mitigation measures:
Does the proposed project present potential for effects on human health? e.g.: Hanta virus, radiological exposure, or chemical exposure (must provide MSDS)				The unit has an ammonia-water working fluid system. The system has an emergency vent system. The system will be piped to a water tank to capture any ammonia released. The ammonia will be handled utilizing standard industrial practices designed to prevent releases to the environment. Personal will be properly trained in accidental release response and spill kits will be available onsite as a precautionary measure. MSDS sheet for the ammonia will be on-site
Transportation	Yes	No	NA	If the anticipated impact might be unacceptable, recommend mitigation measures:
Does the proposed project involve transportation of radiological sources or hazardous materials (including explosives)?				Ammonia will be transported to the site to fill the unit. Quantity should be approximately 1,000 lbs (230 gal). The ammonia will be transported utilizing standard industrial practices designed to prevent releases to the environment.
Waste Management and Waste Minimization	Yes	No	NA	If the anticipated impact might be unacceptable, recommend mitigation measures:
Are pollution prevention and waste minimization practices needed in the proposed project?				The unit has an ammonia-water working fluid system. The system has a demergency vent system. The system will be piped to a water tank to capture any ammonia released. The ammonia will be handled utilizing standard industrial practices designed to prevent releases to the environment. Personal will be properly trained in accidental release response and spill kits will be available onsite as a precautionary measure.
Does project plan establish procedures in compliance with local, state and/or federal laws and guidelines affecting the generation, transportation, treatment, storage or disposal of hazardous and other wastes?				Ammonia will be transported to the site to fill the unit. Quantity should be approximately 1,000 Ibs (230 gal). The ammonia will be transported and stored utilizing standard industrial practices designed to prevent releases to the environment. The ammonia/water mixture will be disposed of on-site as fertilizer, on the landfarm.

				Impac Antici	ts pated?	1-5	If YES, then complete be			
Cultural Impact				Yes	No	NA	If the anticipated impact might be unacceptable, recommend mitigatio measures:			
Is there potential for impact on cultural (historic) resources?								The project will utilize existing infrastruture and no ground disturbance is proposed. Piping for the hot water and cooling water lines will be temporary and placed above ground. Precautions will be taken to assure that there is no disturbance of any cultural resources in the pipe laydown areas.		
Community Impact				Yes	No	NA	If the anticipated impact might be unacceptable, recommend mitigation measures:			
Will the prop auditory, vis	2.2		significantly ad	lverse						
Will the prop community's	a company of the second se									
Will the proposed project adversely affect the community's access to private land?										
NOTE: To	pography M	ap and Wet	ands Map are n Level 2 &					applicable	e SOPs fo	or Risk Assessment
Are permits	required? If	f YES, list be	elow:					Y	es 🗌	No 🖂
		Section be	low to be review	wed by	Environr	nental Sp	ecialis	t and DOE	NCO.	
Adequate Mi	itigation Me	asures Prov	ided?				Ade	quate Miti	gation M	leasures Provided?
		Yes	No				Yes	1	No	
Water Quality In	mpacts			Transpo	rtation Imp	acts				
Air Quality Impacts				Waste Management Impact						
"Wildlife and Ha	abitat Impacts			Cultural	Impacts					
Geology and Se	oils Impacts	\boxtimes		Commu	nity Impac	t	\boxtimes			
Human Health Impacts			Categorical Exclusion		\boxtimes					
				A	pprovals					
Comments and Conditions:		B5.1 Action increase the and applian	e indoor concentrati	gy, demo ions of po s, develoj	nstrate pot otentially happenent of e	ential energ armful subst nergy-efficie	y conse ances ent manu	rvation, and improveme ufacturing or	promote er nts in gene	nergy-efficiency that do not erator efficiency practices, and small-scale
Contractor								Date	4-8-10	
ESS&H Comments	NEED	Tocar	SIRM PE.	RMIT	- 72	APRI.	1 W	ATER	FROM	417725
and Conditions:			PRIOR 7						1010	
	Based on m as NEPA C	y review of i ompliance O	nformation conv fficer (as authori	eyed to zed und	me and ii er DOE (n my posse Order 451.	1A), I h	nave determ	nined that	ing the proposed action, the proposed action fits
	within the s	pecified class	s of actions, the o	other reg	ulatory re	equirement	ts set fo	orth above a	are met, a	nd the proposed action

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is hereby categorically excluded from further NEPA review.			
DOE NEPA	CX85./	Date	
Compliance Officer	Whahl of Paylor	4/13/10	

North Water Flood Hot Lines

