

		Project Information							
Project Title:	Binary Power Unit	Test (Recurrent Engineering LLC, Geothermal Test)	Date: 8-17-201						
DOE Code:	6730.020.61045		Contractor Code:	8067-768					
Project Lead	Lyle Johnson								
 What are the eimpacts? What is the let What is the du What major et 		The purpose of the project is to do confirmation testing of the temperatures and rates. This test will be conducted in a loca infrastructure installed for GTP project consisting of a hot-wawate is from well 17-WX-21, a Madison well adjacent to the spumped from Little Teapot Creek through an existing line and be no significant environmental impacts. The location of the unit will be south of the building at the NM. There will be several short term tests (hrs) over a month or to A crane will be rented to off-load the equipment. A fork lift or hook it up. A welder and electrician will also be necessary.	ation covered in the Site Wide I ter source and a cooling water siting location. The cooling wa d then returned to Teapot Cree VF facility.	EA. It will use r source. The ho ater will be ek. There should					

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.

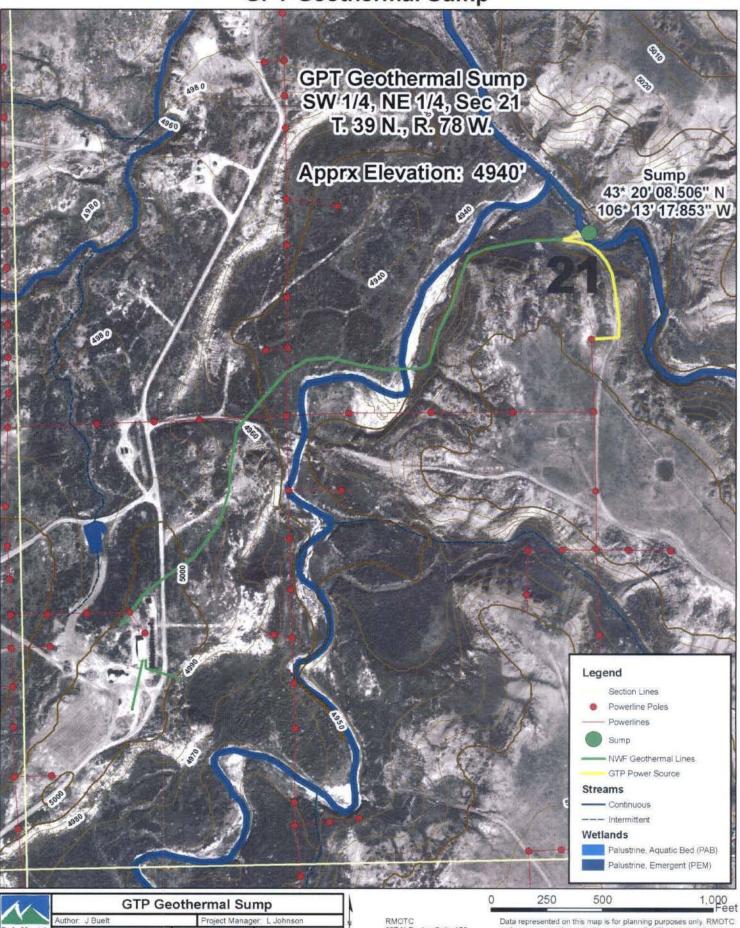
	Impacts Anticipated?			If YES, then complete below	
Water Quality	Yes	No	NA	If the anticipated impact might be unacceptable, recommend mitigation measures:	
Does the proposed project present potential for impacts on water resources or water quality?					
Does the project affect surface water quantity or quality under both normal operations and accident conditions?				Cooling water will be removed 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?				USACE will be notified of enviro design	

	Impacts Anticipated?			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?		\boxtimes		.*	
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 a 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?					

	Impacts Anticipated?			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 safely to prevent releases to the environment. Personnel 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 onsite.		
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 330 gal. The ammonia will be transported per DOT requirements designed to prevent release 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 an emergency vent system. The system will be piped to a water tank to capture any ammonia released. The ammonia will be safely handled to prevent releases to the environment. Personnel 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 onsite.		
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 330 gal. The ammonia will be transported per DOT requirements designed to prevent release to the environment.		

	The Control				Impacts Anticipated?		If YES, then complete below.			
Cultural Impact			Yes	No	NA	If the anticipated impact might be unacceptable, recommend mitigation measures:				
Is there pot resources?	Is there potential for impact on cultural (historic) resources?								e existing infrastructure and rbance is proposed.	
Community Impact			Yes	No	NA	If the anticipated impact might be unacceptable, recommend mitigation measures:				
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	posed projects s use of pub									
	posed projects									
NOTE: To	opography N	lap and Wet		quired to be a				OPs fo	r Risk Assessment	
Are permits	s required? I	f YES, list b		and specific	test proc	euures	Yes		No 🗵	
		Section be	elow to be review	ed by Environ	mental S	pecialis	t and DOE N	co.		
Adequate M	litigation Me					1	and the same of the same of	2000	easures Provided?	
Aucquate II	intigation inc	Yes	No			Yes	No.		cusures i Tovideu.	
Water Quality	Impacts	K		ransportation Im	pacts	(X)				
Air Quality Imp		×		Vaste Managem		1000				
"Wildlife and H	labitat Impacts	NZI		Cultural Impacts		×				
Geology and S	Soils Impacts	K		Community Impa	ct	₩				
Human Health	Impacts	2		Categorical Ex	clusion	X				
Comments and Conditions:	B5.1 Actions indoor concurred development development D15 Pos D1R 2c1	s to conserve e entrations of pont of energy-eff nt and pilot proj AL OF	otentially harmful substitution of the substit	ootential energy of stances improvor industrial proctor industrial	renewable conservation rements in gices, and sn	n, and progenerator nall-scale	efficiency and a conservation a	appliance and renev	that do not increase the e efficiency ratings, vable energy research and ED BY DOE 15 REQUIRED	
Contractor ESS&H Tephen Cimes							Date 8	118/10		
Comments and Conditions:		-							*	
	as NEPA C within the s	Compliance	Officer (as authorize	ed under DOE ner regulatory i	Order 451 requirement	.1A), I h	nave determin	ed that	ing the proposed action, the proposed action fits and the proposed action	
DOE NEPA	CXB	5.1						Date		
Compliance Officer	Mac	harla	19 Taylor						8/17/10	

GPT Geothermal Sump



Rocky Mountain Olifield Testing	GTP Geothermal Sump							
	Author, J Buelt		Project Manager: L Johnson					
	GIS-Prj-6730.020.61041-1	06/30/2010	Rev Date: 07/26/2010					
	WY State Plane / East Ce	Scale = 1:5,000						

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