

#253

## NEPA COMPLIANCE SURVEY

Project Information			
<b>Project Title:</b>	Geothermal Technologies Program	<b>Date:</b>	10/20/09
<b>DOE Code:</b>	6730.020.61041	<b>Contractor Code:</b>	8067-731
<b>Project Lead:</b>	Lyle Johnson		
<b>Project Overview</b>	This NEPA is for the laying of a 2,975 foot, 8" welded plastic water line from Little Teapot Creek near in the intersection with Teapot Creek to the North Waterflood Facility (NWF) building. The entire project area is within Section 21 T39N R78W (map attached) and will not impact any wet land areas but will cross one intermittent stream. The stream is presently dry. The project will include the clearing of vegetation from a 12 foot wide construction corridor along the route, digging a 5 foot deep trench, welding and placing the plastic line and covering and compacting the trench. This task should take approximately one month and the line will remain in place for an undetermined period to supply cooling water to the NWF for geothermal testing. Equipment required for this project will be a blade to clear the right-of-way, a backhoe to dig and fill the trench, a plastic welding machine (to be rented) and possible a boom truck to lay the line.		
<ol style="list-style-type: none"> <li>1. What are the environmental impacts?</li> <li>2. What is the legal location?</li> <li>3. What is the duration of the project?</li> <li>4. What major equipment will be used if any (work over rig, drilling rig, etc.)?</li> </ol>			

**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
	Yes	No	NA	If the anticipated impact might be unacceptable, recommend mitigation measures:
<b>Water Quality</b>				
<b>Does the proposed project present potential for impacts on water resources or water quality?</b>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	An intermittent stream will be crossed but this time of the year the streambed is dry and will be returned to its original condition.
<b>Does the project affect surface water quantity or quality under both normal operations and accident conditions?</b>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	See above
<b>Does the proposed project effect groundwater quantity or quality under both normal operations and accident conditions?</b>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
<b>Will the project area include "Waters of the State?"</b>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	See above
<b>Will the project area require a Corps of Engineers permit?</b>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

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	Impacts Anticipated?			If YES, then complete below.
	Yes	No	NA	If the anticipated impact might be unacceptable, recommend mitigation measures:
<b>Geology &amp; Soils</b>				
Does the proposed project present potential for impacts related to geology or soils?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Requires removal of soil from a trench and replacing of removed soil
Does the proposed project alter, excavate or otherwise disturb land area consistent with other land use and habitat area?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Some plants are removed during construction, reseeded will have to be done.
Is the proposed project likely to impact local seismicity?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
If the project involved disturbance of surface soils, are erosion and storm water control measures addressed?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Total construction (disturbed) area is estimated at 0.82 acres
<b>Air Quality</b>				
Does the proposed action present potential for impacts on ambient air quality under both normal and accident conditions?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Are potential emissions (gases and/or airborne particulates including dust) outside of the normal scope for oil field operations?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Does the project present risk to human health and the environment from exposure to radiation and hazardous chemicals in emissions?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Is the project subject to New Source Performance Standards?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Is the project subject to National Emissions Standards for Hazardous Air Pollutants?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Is the project subject to emissions limitations in an Air Quality Control Region?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

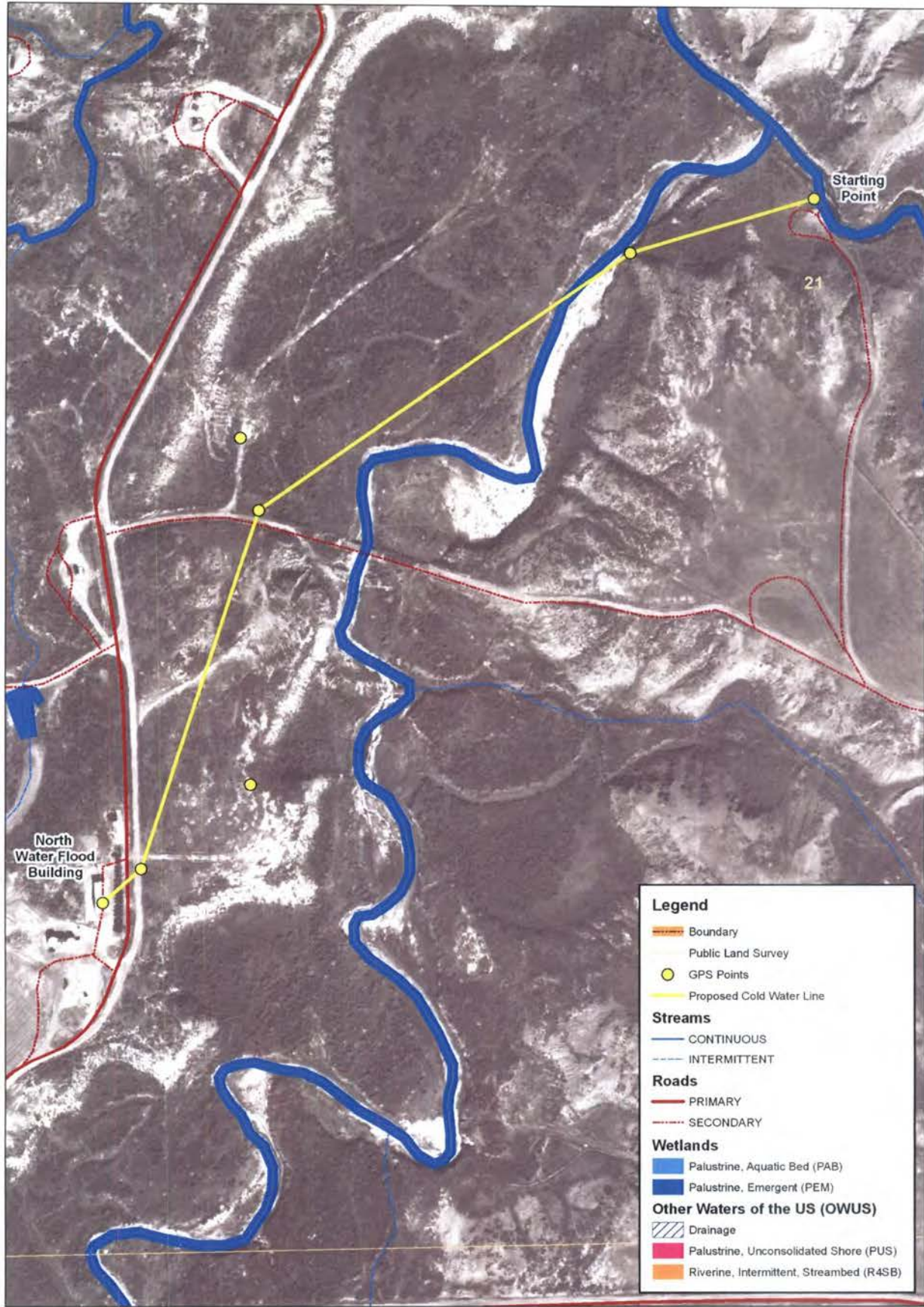
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	Impacts Anticipated?			If YES, then complete below.
	Yes	No	NA	If the anticipated impact might be unacceptable, recommend mitigation measures:
<b>Wildlife and Habitat</b>				
Does the proposed action present potential for impacts on wildlife or habitat?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Does the project impact state or federally listed threatened and endangered species?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
<b>Human Health Effects</b>				
Does the proposed project present potential for effects on human health? e.g.: Hanta virus, radiological exposure, or chemical exposure (must provide MSDS)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
<b>Transportation</b>				
Does the proposed project involve transportation of radiological sources or hazardous materials (including explosives)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
<b>Waste Management and Waste Minimization</b>				
Are pollution prevention and waste minimization practices needed in the proposed project?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
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?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

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			Impacts Anticipated?			If YES, then complete below.	
Cultural Impact			Yes	No	NA	If the anticipated impact might be unacceptable, recommend mitigation measures:	
Is there potential for impact on cultural (historic) resources?			<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Archeological survey conducted	
Community Impact			Yes	No	NA	If the anticipated impact might be unacceptable, recommend mitigation measures:	
Will the proposed project introduce significantly adverse auditory, visual, or other impact?			<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Will the proposed project adversely affect the community's use of public land/resources?			<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Will the proposed project adversely affect the community's access to private land?			<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
NOTE: Topography Map and Wetlands Map are required to be attached. Attach applicable SOPs for Risk Assessment Level 2 & 3 and specific test procedures.							
Are permits required? If YES, list below:						Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
Section below to be reviewed by Environmental Specialist and DOE NCO.							
Adequate Mitigation Measures Provided?						Adequate Mitigation Measures Provided?	
	Yes	No		Yes	No		
Water Quality Impacts	<input type="checkbox"/>	<input type="checkbox"/>	Transportation Impacts	<input type="checkbox"/>	<input type="checkbox"/>		
Air Quality Impacts	<input type="checkbox"/>	<input type="checkbox"/>	Waste Management Impacts	<input type="checkbox"/>	<input type="checkbox"/>		
*Wildlife and Habitat Impacts	<input type="checkbox"/>	<input type="checkbox"/>	Cultural Impacts	<input type="checkbox"/>	<input type="checkbox"/>		
Geology and Soils Impacts	<input type="checkbox"/>	<input type="checkbox"/>	Community Impact	<input type="checkbox"/>	<input type="checkbox"/>		
Human Health Impacts	<input type="checkbox"/>	<input type="checkbox"/>	<b>Categorical Exclusion</b>	<input type="checkbox"/>	<input type="checkbox"/>		
<b>Approvals</b>							
Comments and Conditions:							
Contractor ESS&H						Date	
Comments and Conditions:							
	Based on my review of information conveyed to me and in my possession (or attached) concerning the proposed action, as NEPA Compliance Officer (as authorized under DOE Order 451.1A), I have determined that the proposed action fits within the specified class of actions, the other regulatory requirements set forth above are met, and the proposed action is hereby categorically excluded from further NEPA review.						
DOE NEPA Compliance Officer						Date	

# Cooling Line NWF



0 255 510 1,020 Feet  
 WY State Plane / East Central Zone / NAD 27 / Scale = 1:3,000

11/17/2008

**RMOTC**  
 Heat Generator 8067-565  
 Project Manager: L Johnson  
 GIS Technician: J Buelt