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U.S. DEPARTMENT OF ENERGY

Page

ENVIRONMENTAL QUESTIONNAIRE

I. <u>BACKGROUND</u>

The Department of Energy's (DOE) National Environmental Policy Act (NEPA) Implementing Procedures (10 CFR 1021) require careful consideration of the potential environmental consequences of all proposed actions during the early planning stages. DOE must determine at the earliest possible time whether such actions require either an Environmental Assessment or an Environmental Impact Statement, or whether they qualify for Categorical Exclusion. To comply with these requirements, an Environmental Questionnaire must be completed for each proposed action to provide DOE with the information necessary to determine the appropriate level of NEPA review.

Separate copies of this Environmental Questionnaire should be completed by the principal offer or and each proposed subcontractor. In addition, if the proposed project includes activities at different locations, an independent questionnaire should be prepared for each location. Supporting information can be provided as attachments.

In completing this Questionnaire, the proposer is requested to provide specific quantities regarding air emissions, wastewater discharges, solid wastes, etc., to facilitate the necessary review. In addition, the proposer should identify the exact location of the project and specifically describe the activities that would occur at that location.

III. QUESTIONNAIRE

PROJECT SUMMARY

A.

	ation Number:	Cooperative Agreement No: DE-FC26-O5N-T42592						
Propos	er & All Proposed Subcontractors:	University of North Dakota Energy & Environmental Research Center (EERC)						
Princip	oal Investigator:	Edward N. Steadman						
Teleph	one Number:	(701) 777-5279						
Project	Title:	Regional Carbon Sequestration Partnership – Phase III Fort Nelson						
Durati	on:	10 years						
Location	on (City/Township, County, State):	Ft. Nelson, British Columbia, Canada						
Indicat	e the type or scale of project:							
	te the type or scale of project:							
INSTI a.	RUCTIONS Computer Modeling	b. Library/Literature Search						
INSTI	RUCTIONS Computer Modeling Paper Study	b.						
a. c. e. g.	RUCTIONS Computer Modeling	d. Workshop/Conference f. Bench-scale Research						
a. c.	RUCTIONS Computer Modeling Paper Study Laboratory (Batch) Research	d. Workshop/Conference f. Bench-scale Research						

However, if either item e,f,g,h,i, or j was selected, continue with Question A.8

	scfm (of) acfm (of)	MW electric thermal Other: We are monitoring the injection and storage of acid gas from a commercial gas processing facility. This project will not process any material.
8.	Indicate the size of the proposed project and tph (of)	I the primary material processed (e.g., 200 tph of coal). MM Btu/hr

9a. Summarize the <u>proposed work</u>. List all <u>activities or tasks planned</u> at the location covered by this Environmental Questionnaire.

Spectra Energy Transmission (SET) will be conducting commercial activities focused on CO₂ capture, transportation, and injection into a geologic formation. All handling and injection of fluids will be conducted by SET. SET is working closely with the National Energy Board (NEB) and Oil and Gas Commission (OGC) of British Columbia to obtain the necessary permits and regulatory approval to conduct large-scale CO₂ injection activities in the area. The SET activities will receive no funding from the U.S. Federal government.

As part of Phase III of the Plains CO_2 Reduction (PCOR) Partnership, the EERC will conduct measurement, mitigation, and verification (MMV) activities at and around the injection site that will not interrupt the daily SET operations. The EERC will obtain sample analyses that are performed by SET as part of its regulatory compliance to monitor for elevated CO_2 and H_2S in the overlying Slave Point strata. Noninvasive geomechanical work (i.e., lab work to include rock mechanical properties, characterization of presheared discontinuities, potential for fault reactivity or bedding plane slip, and reservoir simulation and analysis to determine additional geomechanical tests to be done) will be completed to evaluate cap rock integrity. Pressures in the tubing/casing annulus of the injection well will be monitored by SET on a daily basis as part of its regulatory compliance. The EERC will obtain these results and incorporate them into the MMV reporting. Using existing geologic and hydrogeologic data, an assessment of the hydrogeologic regime will be conducted to determine regional aquifer systems and their inherent flow patterns.

PCOR Partnership Phase III activities (tasks and subtasks) covered for the purpose of these activities:

1.1 Project Design

This task will involve developing an experimental design package and designing the safety, regulatory, and permitting activities associated with the Fort Nelson field demonstration site.

1.1.1 Experimental Design Package Focused on the Validation of CO₂
 Sequestration at Fort Nelson Gas Plant.
 This package will be submitted to the DOE COR at least 30 days prior to commencing field work.

1.2 Project Implementation

1.2.1 Conduct Baseline Site Characterization

Baseline site characterization efforts for the Fort Nelson field demonstration site will include reservoir simulation modeling, calculations to estimate the expected storage capacity, and laboratory tests to predict possible interaction of the injected gases/fluids with the reservoir rock and fluids.

1.2.2 Sampling Protocols

A review of sampling requirements will be conducted to develop a sampling protocol to be submitted to the DOE COR.

1.2.3 Access to Injection Well(s)

SET will provide the research team with access to the acid gas injection well site.

1.2.4 Monitoring Wells

SET will provide access to previously existing wells that may serve as monitoring wells.

1.2.5 Preinjection Reservoir Characteristics

SET will provide a detailed analysis of the preinjection reservoir conditions.

1.3 Project Operations

1.3.1 Monitoring of Injection Data

SET plans to utilize acid gas from the Fort Nelson gas plant, which is owned and operated by SET, and transport it via pipeline to the injection well(s) in close proximity to the Fort Nelson gas plant, where it will be injected into the target reservoir. The acid gas stream contains approximately 1.2 million tons of CO_2 and 200,000 tons of H_2S which will be injected per year at the Fort Nelson field demonstration site. This project will monitor the injection.

1.3.2 Monitoring of Reservoir

Stress regimes and geochemical properties will be monitored. The dynamic response of the injection zone and bounding rocks at the injection site will be monitored for changes over the course of the project. Seismicity within the reservoir may also be monitored.

1.3.3 Monitoring of Surface and Subsurface to Ensure Containment

Surface and shallow subsurface conditions will be monitored on a regular basis to ensure that the injected acid gas is being contained. Parameters that may be monitored include air quality, soil vapor gas composition, and groundwater pH.

1.3.4 Sampling Strategy

A sampling strategy will be developed and employed to measure and mitigate leakage from existing wells in the field.

1.4 Closeout and Reporting

1.4.1 Progress Reports

Quarterly reports will be provided throughout the project. A final report will be provided at the conclusion of the project.

1.4.2 Postinjection Monitoring and Assessment

A suite of activities will be used to assess the condition of the reservoir with respect to CO_2 sequestration and EOR effectiveness.

1.4.3 Summary of Results from Testing, Sequestration Potential, and EOR Recovery Preinjection predictions regarding the nature of acid gas in the target reservoir will be compared to postinjection reservoir conditions as monitored over the duration of the study period. The goals of this subtask will be to determine 1) the reliability of the preinjection modeling predictions and calculations and 2) the fate of injected acid gas within the target reservoir. Reliability of the preinjection modeling predictions and calculations with respect to acid gas sequestration potential will be assessed using material balances, by determination of the percentage of effective utilization of the available storage capacity, and through evaluation of the post injection reservoir conditions. The long-term fate of acid gas injection with respect to on-site conditions will be evaluated through monitoring activities.

	cation (chec	ck all that apply).		
☐ Existing Building (Indoors)	⊠ I	Developed Site	Undevelope	ed Site
See attached site map.				
List all other locations where work Questionnaire for each location.)	rk would be	e performed. (Note:	Submit a separa	te Environmental
	•		(i.e., certified con	nmercial contract
Describe the objectives of the propor	sed project.			
Partnership, is to create a best practise annually injecting over 1 million	ctices manua n tons of CO	al that outlines a set of \mathbf{D}_2 with high concentr	f guidelines for MN	IV operations that
an MMV strategy that establishes	the integrity	of the Devonian car		
		cy of testing (e.g., tests	s per week), and the	duration of tests by
conducting any sampling. Produced composition of the injected miscible	l fluids will l fluid shall b	be sampled by the ope be determined on a mo	rator periodically.' onthly basis. Forma	The representative tion fluid sampling
				ed by category) and
□ Coal (□ Natural Gas (□ Oil (□ Electricity (□ Water (□ Air (□ Organic Solvents (0) 0) 0) 0) 0) 0) 0) 0)	☐ Wastewater ☐ Air Emissions ☐ Solid Waste ☐ Hazardous Was ☐ Salable By-Pro ☐ List And Note 0 0 ☐ Others List a Fluids sample	(0 (0 (0 otte) (0))))
	List all other locations where won Questionnaire for each location.) Laboratory work will be completaboratories) to satisfy their regular. Describe the objectives of the proposition of the PCOR Partnership an MMV strategy that establishes area with respect to large-volume. The primary objective of the PCO concept of utilizing the region's carried dentify the planned number of tests, type (e.g., laboratory tests, pilot unit and the primary of the injected miscible from monitoring wells in the vicinity daily. Identify all materials that would be usestimate their total quantities over the materials Used (Total Coal (Matural Gas Oil (Matural Gas Matural Gas (Matural Gas Matural Gas (Matural Gas Matural Gas (Matural Gas Matural Gas (Matural Gas (Matural Gas Matural Gas (Matural Gas Matural Gas (Matural Gas Matural Gas (Matural	List all other locations where work would be Questionnaire for each location.) Laboratory work will be completed by Staboratories) to satisfy their regulatory complete. The overall purpose of these activities, from the Partnership, is to create a best practices manuals annually injecting over 1 million tons of Cocarbonate formation for long-term sequestration and MMV strategy that establishes the integrity area with respect to large-volume CO2-H2S in The primary objective of the PCOR Partnership at the Fort an MMV strategy that establishes the integrity area with respect to large-volume CO2-H2S in Identify the planned number of tests, the frequency (e.g., laboratory tests, pilot unit runs, etc.). All samples and/or test results will be obtained conducting any sampling. Produced fluids will be conducting any sampling. Produced fluids will be conducting any sampling. Produced fluids will be conducting any sampling wells in the vicinity will be conducted and produced fluids and the conducting and the injected miscible fluid shall be from monitoring wells in the vicinity will be conducted and produced fluids and the conducting and the injected miscible fluid shall be from monitoring wells in the vicinity will be conducted and produced fluids and the conducting and th	List all other locations where work would be performed. (Note: Questionnaire for each location.) Laboratory work will be completed by SET subcontractors laboratories) to satisfy their regulatory compliance commitment. Describe the objectives of the proposed project. The overall purpose of these activities, from the perspective of the E Partnership, is to create a best practices manual that outlines a set o is annually injecting over 1 million tons of CO2 with high concentration for long-term sequestration. The goal for the PCOR Partnership at the Fort Nelson field demonstran MMV strategy that establishes the integrity of the Devonian car area with respect to large-volume CO2–H2S injection and storage. The primary objective of the PCOR Partnership Phase III Fort Ne concept of utilizing the region's carbonate brine formations for large Identify the planned number of tests, the frequency of testing (e.g., tests type (e.g., laboratory tests, pilot unit runs, etc.). All samples and/or test results will be obtained from the operator conducting any sampling. Produced fluids will be sampled by the ope composition of the injected miscible fluid shall be determined on a me from monitoring wells in the vicinity will be conducted on a quarte daily. Identify all materials that would be used and produced by the project (me estimate their total quantities over the entire duration of the proposed position of the injected miscible fluid shall be determined on a me from monitoring wells in the vicinity will be conducted on a quarte daily. Materials Used (Total Quantity) Materials Produced Coal (0) Wastewater Natural Gas (0) Solid Waste Hazardous Waster Salable By-Pro Salable By-Pro Salable By-Pro Air (0) List And Note (0) Organic Solvents (0) Others List Fluids samples	List all other locations where work would be performed. (Note: Submit a separa Questionnaire for each location.) Laboratory work will be completed by SET subcontractors (i.e., certified conlaboratories) to satisfy their regulatory compliance commitment. Describe the objectives of the proposed project. The overall purpose of these activities, from the perspective of the EERC's Plains CO ₂ . Partnership, is to create a best practices manual that outlines a set of guidelines for Mi is annually injecting over 1 million tons of CO ₂ with high concentrations of H ₂ S into carbonate formation for long-term sequestration. The goal for the PCOR Partnership at the Fort Nelson field demonstration site is to deve an MMV strategy that establishes the integrity of the Devonian carbonate formations area with respect to large-volume CO ₂ -H ₂ S injection and storage. The primary objective of the PCOR Partnership Phase III Fort Nelson test is to verify concept of utilizing the region's carbonate brine formations for large-scale injection of a lidentify the planned number of tests, the frequency of testing (e.g., tests per week), and the type (e.g., laboratory tests, pilot unit runs, etc.). All samples and/or test results will be obtained from the operator (SET). EERC per conducting any sampling. Produced fluids will be sampled by the operator periodically. composition of the injected miscible fluid shall be determined on a monthly basis. Formather from monitoring wells in the vicinity will be conducted on a quarterly basis. Pressure daily. Identify all materials that would be used and produced by the project (materials can be group estimate their total quantities over the entire duration of the proposed project. Materials Used (Total Quantity) Materials Produced (Total Questimate their total quantities over the entire duration of the proposed project.

B. PROPOSED PROJECT AND ITS ALTERNATIVES

1. List all alternative approaches considered to achieve the objectives described in A.11 and discuss the anticipated environmental effects of each. (Place the selected approach at the top of the list.)

No other opportunities existed in the region to test a large-scale sequestration test (1.2 million tons of CO_2 annually) with acid gas injection in confined stratigraphic units such as a deep brine-saturated carbonate formation within the budget of the cooperative agreement. The operator (SET) of the Fort Nelson Gas Plant has a planned acid gas injection program, and this project was able to add MMV operations to these activities. The acid gas (mixture of H_2S and CO_2) will be injected into a brine formation to be disposed of from an existing gas-processing plant. The MMV operations will strictly be used to determine the fate of the injected CO_2 and the effects of the H_2S on CO_2 sequestration and EOR operations. The owner/operator of the site is allowing researchers to observe and monitor the injection activities that are part of the everyday operation of the site.

2. Identify the environmental consequences of not implementing this project (e.g., emission increase).

Not implementing this project may result in unnecessarily limiting the available options for reducing CO_2 emissions via sequestration.

C. PROJECT LOCATION

1. Provide a brief description of the project location (physical location, surrounding area, adjacent structures).

Located approximately 10 miles SE of Fort Nelson, British Columbia, Canada, along Alaskan HWY mile 270.3. Classified by the Ministry of Forest and Range as boreal forest. Oil production equipment on location and in surrounding area (see attached site maps).

2. Attach a site plan or topographic map of the area that would be affected by the project and highlight (or otherwise identify) the specific location where the project would be performed.

See attached site plan.

D. ENVIRONMENTAL IMPACTS

This section is designed to obtain information for objectively assessing the environmental impacts of a proposed project. NEPA procedures require evaluations of all possible effects (including land use, energy requirements, natural or depletable resource use, historic and cultural resources, and pollutants) from proposed projects on the environment. Answer the following questions as completely as possible. Also, for "yes" or "no" questions, answer "yes" if there would be <u>any</u> effect, or if there <u>may</u> be an effect. (Failure to answer the questions completely could produce delays in project awards.)

1. Land Use

a. Identify the location of the proposed project (i.e., city, county, state).

Approximately 10 miles SE of Fort Nelson, British Columbia, Canada (near Alaskan HWY mile 270.3)

b. Identify the total size of the facility and the portion would be used for the proposed project.

This is an existing gas-processing facility. The area impacted by SET activities is approximately 2 acres. All of the MMV activities associated with this project will be conducted within the boundaries of this previously impacted area.

Page '

h.	Would the proposed project significantly impact local fuel or energy supply? ☑ No ☐ Yes (describe)
i.	Would any new transmission lines be required? ☑ No ☐ Yes (describe location, voltage, and length of line)
6.	Historical/Cultural Resources
a.	Describe any historical or cultural places in the vicinity of the proposed project; note any sites included on the National Register of Historic Places. None The following historical/cultural places are located in the project area:
b.	Are there any known archeological sites in the vicinity of the proposed project? No Yes (describe)
c.	Would construction or operational activities planned under the proposed project disturb any historical or cultural sites? ☑ No planned construction ☐ No historic sites ☐ No impact (discuss) ☐ Yes (describe)
d.	Has the State Historic Preservation Office been contacted with regard to this project? No Yes (describe)
7.	Visual Resources
a.	Describe any scenic vistas or aesthetic landscaping in the vicinity of the proposed project? None
b.	Would the proposed project interfere with visual resources (e.g., eliminate scenic views) or alter the present landscape? No Yes (describe)
c.	Would any facilities constructed under the proposed project contrast with the present landscape? No construction planned
	For all proposed projects involving laboratory, bench-scale, or larger research and development activities, respond to the following questions.

<u>P</u> 1	Maureen Bilawchuk Section Head Environmental Management Section Suite 325 1011 4th Ave Prince George, BC V2L 3H9 Canada Tel: (250) 565-6459	Sajid A. Barlas, Ph.D. Sr. Environmental Protection Officer Ministry of Environment Fort St. John, BC V1J 6M7 Canada Tel: (205) 787 3204 Sajid.Barlas@gov.bc.ca
	Then were these authorities contacted regard scussions.	ling the proposed project (if necessary)? Include results of
	ot contacted because the sampling activit a–f above).	ties will have no impact on air quality (see answers to
	ow does each regulator (authority) define a 60 MMBtu/hr)?	major source (e.g., greater than 100 ton/year; thermal input of
M	Tajor source: greater than 100 tons/yr; th	ermal input of 250 MMBtu/hr.
W ⊵	ould any types of emission control or parti No ☐ Yes (describe, incl	culate collection devices be used? luding collection efficiencies)
If	no control devices are used, how would en	nissions be vented?
N	o emissions are anticipated.	
ar		we emissions, would be anticipated from the proposed project, kimum annual rate of emissions over the duration of the
N	o emissions are anticipated.	
	(Maximum per year) SOx NOx PM ₁₀	(Total for project)
	CO	
	Organic solvent vapors or other volatile	organic compounds list
	Hazardous air pollutants list	

n.	Would the proposed project reduce the amount of air emissions in the area? No Yes (describe)
0.	Identify Federal, state, and local air quality regulations that govern emissions in the project area.
	Ministry of Environment Government of British Columbia PO Box 9341 Stn Prov Govt Victoria, BC V8W 9M1 Canada Tel: (250) 387-3205
9.	Hydrologic Conditions/Water Quality
a.	What is the closest body of water to the proposed project area and what is its distance from the project site Indicate on the site plan, if provided.
	Fort Nelson River is approximately 1.5 miles from the test location. Sampling activities undertaken by this project will not impact river.
b.	What sources would supply potable and process water for the proposed project? Identify quantities consumed and uses. Identify the names of municipal or other water systems that would be used.
	Essentially no water will be consumed on site for the proposed activities.
c.	Quantify the total amount of wastewater that would be generated by the proposed project.
	None □ Non-contact cooling water (gallons) □ Process water (gallons) □ gallons) □ Sanitary and/or grey water (gallons) □ gallons) □ Other describe (gallons)
d.	What would be the components of each type of wastewater (e.g., coal fines)? ☑ No wastewater produced
e.	Identify the local treatment facility that would receive wastewater from the proposed project. ☑ No discharges to local treatment facility
f.	Describe how wastewater would be collected and treated.
	None.
g.	What Federal, state, and local authorities regulate water quality in the proposed project area?
	Ministry of Environment Government of British Columbia; PO Box 9341 Stn Prov Govt Victoria, BC V8W 9M1 Canada Tel: (250) 387-3205

Provincial: Local: Charlie Ballek Sajid A. Barlas, Ph.D. **Water Quality Officer** Sr. Environmental Protection Officer **Environmental Quality Branch Ministry of Environment** Water Stewardship Division Fort St. John, BC V1J 6M7 PO Box 9341 Canada **Stn Prov Govt** Tel: (205) 787 3204 Victoria, BC V8W 9M1 Sajid.Barlas@gov.bc.ca Canada Tel: (250) 356-2080 i. When were these authorities contacted regarding the proposed project (if necessary)? Include results of discussions. Not contacted The sampling activities will have no impact on hydrologic conditions/water quality. Would any run-off or leachates be produced from storage piles or waste disposal sites? j. No. Yes (describe sources, nature of flow, and collection techniques) Identify Federal, state, and local regulations that govern water effluents/water quality in the project area. k. **Ministry of Environment** Government of British Columbia PO Box 9341 **Stn Prov Govt** Victoria, BC V8W 9M1 Canada Tel: (250) 387-3205 1. Where would wastewater effluents from the proposed project be discharged? No wastewater produced Would the proposed project be permitted to discharge effluents into an existing body of water? m. Yes (describe water use and effluent impact) Would a new or modified National Pollutant Discharge Elimination System (NPDES) permit be required? n. No. Yes (describe) Would the proposed project increase or decrease the surface area of an existing body of water? o. No. Yes (describe) Would the proposed project adversely affect the quality or movement of groundwater? p. No No Yes (describe)

Identify the contact person, address, and telephone number for each authority.

h.

10.	Solid and Hazardous Wastes								
a.	Describe in detail and provide the total quantity of all nonhazardous wastes that would be generated from the project. Solid wastes are defined in RCRA as any solid, liquid, semi-solid, or contained gaseous material that is discarded, has served its intended purpose, or is a manufacturing or mining by-product (40 CFR 260, Appendix I).								
	None Municipal solid waste, i.e., paper, plastic, etc. Coal or coal by-products Other identify Quantity () ()								
b.	Describe in detail and provide the <u>total quantity</u> of all hazardous wastes (40 CFR 261.3) that would be generated, used, or stored under this project.								
	None ☐ The following hazardous wastes would be generated, used, or stored:								
c.	How and where would solid waste disposal be accomplished?								
	☐ On-site (identify and describe location) ☐ Off-site (identify location and describe facility and treatment) None.								
d.	How would wastes for disposal be transported?								
. .	None.								
	None.								
e.	How many trips would be required for landfill disposal? ☐ None ☐ Number of trips:								
f.	What volume of the landfill would the solid waste occupy? ☑ None ☐ Volume: cubic feet								
g.	What Federal, state, and local waste management authorities would have permit authority for the landfill?								
	Ministry of Environment Government of British Columbia PO Box 9341 Stn Prov Govt Victoria, BC V8W 9M1 Canada Tel: (250) 387-3205								
h.	Identify the contact person, address, and telephone number for each authority.								
	Provincial: Local:								
	Barb Beyer Sajid A. Barlas, Ph.D. Sr. Head Environmental Sr. Environmental Protection Officer Management Branch Ministry of Environment Suite 325 1011 4th Ave Fort St. John, BC V1J 6M7 Prince George, BC V2L 3H9 Canada Tel: (205) 787 3204								
	Tel: (250) 565-7104 Sajid.Barlas@gov.bc.ca								

i.	When were these authorities contacted regarding the proposed project (if necessary)? Include results of discussions. Not contacted
	Sampling activities will have no impact on soils nor generate hazardous waste.
j.	How would hazardous or toxic products be collected and stored? None used or produced
k.	If hazardous/toxic solid wastes are subject to land disposal restrictions, how would collection, treatment, and disposal of the wastes be accomplished?
	☐ Not subject to RCRA land disposal restrictions ☐ Subject to RCRA land disposal restrictions (explain)
	Not applicable.
1.	If hazardous wastes would require off-site disposal, have arrangements been made with a certified TSD (Treatment, Storage, and Disposal) facility?
	Not required ☐ Arrangements not yet made ☐ Arrangements made with a certified TSD facility (identify):
m.	How would hazardous waste(s) be transported? No hazardous wastes would be generated
n.	What treatment/storage/disposal methods would be used for hazardous wastes? ☑ No hazardous wastes would be generated ☐ Unknown ☐ Methods that would be used (describe):
11.	Health/Safety Factors
a.	Identify any hazardous or toxic substances that would be used in the proposed project. None Hazardous or toxic substances that would be used (identify):
	The objective of the research being conducted under this NEPA is to monitor the geologic regime into which acid gas is being injected. Sample results will be obtained from the field operator and are part of its regulatory compliance.
b.	What would be the likely impacts of these substances on human health and the environment?
	None
c.	Would there be any potential for workers to be exposed to toxic/hazardous chemicals or wastes? ☐ No ☐ Yes (describe)
	Research activities conducted under this NEPA will require yearly (or perhaps more frequent) site visits by EERC personnel. During this time, exposure to H_2S may occur. All workers visiting the site or working on-site will be trained under the SET Emergency Response Plan and/or the EERC Site Health and Safety Plan. All workers exposed to H_2S are doing so as part of the regular day-to-day operation of an ongoing gas processing facility and will be following safety procedures set forth in the SET Emergency Response Plan.

d.	Would there be any potential for exposure to extreme temperatures? ☐ No ☐ Yes (describe)
	All workers exposed to extreme temperatures are doing so as part of the regular day-to-day operation of an existing gas processing facility and will be following safety procedures set forth in the SET Emergency Response Plan.
e.	Would there be any special physical hazards associated with the project? ☐No ☐ Yes (describe)
	See 11 c above.
f.	Would personal protective equipment or clothing be required? ☐No ☐ Yes (describe)
	See 11 c above.
g.	Does a worker safety program exist at the location of the proposed project? No Yes (describe)
	Spectra Energy Transmission has an Emergency Response Plan in place.
h.	Would safety training be necessary for any laboratory, equipment, or processes involved with the project? ☐ No ☐ Yes (describe)
	All workers participating at the site will be safety-certified prior to involvement. Spectra Energy Transmission will train all workers according to its established Emergency Response Plan. The EERC will also hold the required training credentials and will be documented in its Site Health and Safety Plan.
i.	Describe any increases in ambient noise levels from construction and operational activities. None Increase in ambient noise level (describe)
j.	Would project construction result in the removal of natural barriers that act as noise screens? No construction planned □ No □ Yes (describe)
k.	Identify the highest expected decibel level at the closest point of public access.
	Ambient levels should not be exceeded by the activities covered under this NEPA.
1.	Identify the highest expected decibel level in the work area.
	Ambient levels should not be exceeded by the activities covered under this NEPA.
m.	Would hearing protection be required for workers? ☑ No ☐ Yes (describe)
12.	Environmental Restoration and/or Waste Management
a.	Would the proposed project include CERCLA removals or similar actions under RCRA or other authorities, meeting CERCLA cost/time limits? No Yes (describe)

b.	Would the proposed project include siting, construction, and operation of temporary pilot-scale waste collection and treatment facilities or pilot-scale waste stabilization and containment facilities? No Yes (describe)
c.	Would the proposed project involve improvements to environmental monitoring and control systems of an existing structure or building? No Yes (describe)
d.	Would the proposed project involve siting, construction, operation, and decommissioning of a facility for storing packaged hazardous waste for 90 days or less? No Yes (describe)
E.	REGULATORY COMPLIANCE
1.	For the following laws, describe any new or modified permits, manifests, contacts, etc., that would be required for he proposed project:
a.	Resource Conservation and Recovery Act (RCRA): None Required (describe)
	Hazardous waste manifests will be completed for any resultant small amounts of hazardous wastes generated through this project.
b.	Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA): None Required (describe)
c.	Toxic Substance Control Act (TSCA): ☐ None ☐ Required (describe)
d.	Water Pollution Control Act (WPCA): ☐ None ☐ Required (describe)
e.	Clean Air Act (CAA): None Required (describe)
f.	Endangered Species Act (ESA): None Required (describe)
g.	Floodplains and Wetlands Regulations: None Required (describe)

h. Fish and Wildlife Coordination Act (FWCA):

protocol. The monitoring will also evaluate whether or not CO2 can be safely and permanently stored in geologic formations.

IV. CERTIFICATION BY PROPOSER

Ιh	ereby (certify th	at the in	formatio	n provided	herein is	s current,	accurate,	and cor	nplete as	of the date	shown	immedia	ately
be	low.													

SIGNATURE:

TYPED NAME: Edward Steadman

TITLE: Senior Research Advisor

ORGANIZATION: Energy & Environmental Research Center

20

I hereby certify that I have reviewed the information provided in this questionnaire, have determined the	hat all questions
have been appropriately answered, and judge the responses to be consistent with the efforts proposed.	Based on the

V. REVIEW AND APPROVAL BY DOE

information in the questionnaire, I conclude the following (c	1 1
(2) require siting of waste TSD or recovery facilities, (3	and would not (1) violate applicable ES&H requirements,
Additionally, the proposed action (1) would not present have a significant impact upon the human environment, significant impacts, and (3) is not related to other action	· · · · · · · · · · · · · · · · · · ·
Based on the Environmental Questionnaire and these cowould be appropriate.	onclusions, Categorical Exclusion of the proposed action
☐ The proposed action does not qualify as a CX as identified in Subpart D of DOE's NEPA Implementing Procedures; therefore, the proposed action may require further documentation in the form of an Environmental Assessment or Environmental Impact Statement.	
Project Manager:	Date:

