

ENVIRONMENTAL QUESTIONNAIRE

I. BACKGROUND

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.

II. INSTRUCTIONS

Separate copies of this Environmental Questionnaire should be completed by the principal offeror 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.

To expedite completion of this questionnaire, electronic versions in WordPerfect 6.1 or Word 97 format are available upon request. Questions regarding the type of information requested or the approach to preparing responses should be referred to Lloyd Lorenzi, U.S. Department of Energy, National Energy Technology Laboratory, by phone (412) 386-6159, fax (412) 386-4604, or e-mail (lorenzi@netl.doe.gov).

III. QUESTIONNAIRE

A. PROJECT SUMMARY

- 1. Solicitation Number: N/A [see Public Law 107-63 (HR 2217), Sec. 135(e)]
- 2. Proposer & all Proposed Subcontractors: NETL (Site Operations Division); Eichleay Engineers & Constructors, Inc.
- 3. Principal Investigator: Donald Wieczenski
- Telephone Number: (412) 386-6056
- 4. Project Title: NETL Daycare Facility
- 5. Duration: 1-year
- 6. Location (city/township, county, state): South Park Twp, Allegheny County, Pennsylvania

- 7. Indicate the type or scale of project:
 - a. Computer Modeling
 - b. Library/Literature Search
 - c. Paper Study
 - d. Workshop/Conference
 - e. Laboratory (Batch) Research
 - f. Bench-scale Research
 - g. Pilot- or Proof-of-Concept-Scale Research
 - h. Pilot Plant Construction/Operation
 - i. Full-scale Demonstration
 - j. Other (please describe):
New Daycare Facility
- construction

If either item a, b, c, or d was selected for Question A.7, proceed to Section IV (CERTIFICATION BY PROPOSER);submittal of the intervening parts of this Questionnaire is not required.

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

8. Indicate the size of the proposed project and the primary material processed (e.g., 200 tph of coal).

_____ tph (of _____) _____ MM Btu/hr
 _____ scfm (of _____) _____ MW electric thermal
 _____ acfm (of _____) _____ Other: 8600 sq ft Facility with
additional 51,400 sq ft for play area, parking, storage, setback etc.

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

The work involves the construction of a permanent new Daycare Facility for use by the NETL and possibly other agencies at the center.

9b. Characterize the work site at this location (check all that apply).

Existing Building (indoors) • Developed site Undeveloped site

10. List all other locations where work would be performed. (**Note: Submit a separate Environmental Questionnaire for each location.**)

All construction activities for the new building will be performed at the NETL Pittsburgh site.

11. Describe the objectives of the proposed project.

To provide needed daycare services in a secure area for employees.

12. Identify the planned number of tests, the frequency of testing (e.g., tests per week), and the duration of tests by type (e.g., laboratory tests, pilot unit runs, etc.).

N/A

13. Identify all materials that would be used and produced by the project (materials can be grouped by category) and estimate their total quantities over the entire duration of the proposed project.

Materials Used (total quantity)		Materials Produced (total quantity)	
<input type="checkbox"/> coal	(_____)	<input type="checkbox"/> wastewater	(_____)
<input type="checkbox"/> natural gas	(_____)	<input type="checkbox"/> air emissions	(_____)
<input type="checkbox"/> oil	(_____)	<input type="checkbox"/> solid waste	(250 cy)
<input type="checkbox"/> electricity	(4kW)	<input type="checkbox"/> hazardous waste	(_____)
<input type="checkbox"/> water	(190kga l)	<input type="checkbox"/> salable by-products --	
<input type="checkbox"/> air	(_____)	list and note quantity	
<input type="checkbox"/> organic solvents	(_____)		
<input type="checkbox"/> others -- list and note quantity:		<input type="checkbox"/> others -- list and note quantity:	
<input type="checkbox"/> None		<input type="checkbox"/> None	

During normal operations, materials used and materials produced by the new daycare facility will parallel the generation of waste expected from a small school. Electricity consumption and natural gas consumption will increase since this will be a new facility.

Construction work will temporarily lead to a net increase in the use of materials and production of waste for the Pittsburgh site. More specifically, construction work will lead to an increase in the production of construction waste, an increase in vehicle/equipment engine emissions, and a slight increase in the release of volatile organic compounds.

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.)

1. Construction On-Site: Construction of a new daycare facility will lead to an estimated 80 tons of construction waste. New resources will be used to construct the new facility. Because several state-of-the-art energy-saving features will be included in the new facility, there will be a net long-term savings in fuel resources for HVAC and lighting.

2. Leasing Off-Site Space: Off-site leasing would eliminate the generation of construction waste and the use of new resources for construction, assuming that new construction of rental space is not caused by NETL's leasing activities. Where there is an increased demand for office space, the construction of additional private-sector lease space would probably occur. The production of demolition waste would remain unchanged from alternative 1. It is anticipated that there would be a net long-term savings in fuel resources for facility operations; however, the savings probably would be less than for alternative 1.

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

No-Action: The no action alternative would require renovation of an existing building or not building the facility at all. The renovations would not achieve all the goals of increased safety and security of employees and their children. However, the no action alternative would eliminate the generation of construction waste and the usage of new resources for construction.

C. PROJECT LOCATION

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

The proposed new office building would be located in the area referred to as the "2.1 acre area" which is at the southeast portion of the site directly adjacent to Wallace Road. A ball field owned by DOE is to the east, an open field to the west, Wallace Road to the north, and site office buildings to the south.

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 pittdaycare. jpg file.

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 any effect, or if there may 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).

Soth Park Twp, Allegheny County, Pennsylvania

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

The Pittsburgh site of NETL contains approximately 238 acres of land. The proposed new daycare facility , ancillary area, buffer zone would be about 51,400 sq ft (approx 1.17 acres).

- c. Characterize present land use where the proposed project would be located.

<input type="checkbox"/> Urban	<input type="checkbox"/> Industrial
<input type="checkbox"/> Commercial	<input type="checkbox"/> Agricultural
<input type="checkbox"/> Suburban	<input type="checkbox"/> Rural
<input type="checkbox"/> Residential	<input type="checkbox"/> • Research Facility
<input type="checkbox"/> Forest	<input type="checkbox"/> University Campus
<input type="checkbox"/> Other:	

- d. Describe how land use would be affected by planned construction activities.

The southwest section (2.1 acre area) would be used for a laydown area. Noise from the construction activities would reach the nearby existing site buildings and possibly affect nearby home owners to a lesser degree. Dust produced could drift out into the road area. Other nearby land use activities should not be significantly disturbed.

- e. Describe how land use would be affected by operational activities associated with the proposed project.

The impacts on neighboring land uses would not change because the operational activities of the NETL site would not change significantly. Employee travel patterns into and out of the site would remain essentially unchanged. Other activities of NETL that impact neighbors would remain almost unchanged. The primary difference is that road traffic will increase slightly during the morning and late afternoon periods (dropping off and picking up children).

- f. Describe any plans to reclaim and/or revegetate areas that would be affected by the proposed project.

The project site will be regraded and landscaped to enhance the look of the area.

- g. Would changes resulting from the proposed project affect future uses of the site or surrounding areas?

No.

- h. Would the proposed project affect any unique or unusual landforms (e.g., cliffs, waterfalls, etc.)?

No.

- i. Would the proposed project affect existing or future recreational opportunities in the area?

No.

- j. Would the proposed project be located in or near a national park or wilderness area?

No.

If the project would involve only laboratory or bench-scale research and be conducted within an existing building, proceed to Part D.8 (Atmospheric Conditions/Air Quality). If the project would be larger than bench-scale, continue with Part D.2.

2. Construction Activities and/or Operation

- a. Describe the topography at the project site, including any significant landforms, etc.

Topographically, the project is located in the valley area of NETL.

- b. Identify any transmission lines and/or pipelines that traverse the proposed site and clearly mark them on the site plan or topographic map.

A 2", 15# natural gas pipeline, which supplies natural gas for heating for the buildings in the 920 area crosses the site in a north/south direction. A 54" reinforced concrete storm sewer, which has about 28' of cover, crosses the site in a east to west direction. The storm sewer serves the 900 and 920 Areas as well as the upstream property west of government reservation. There are overhead electrical power lines running along the northern side of Wallace Road. All three utilities will be tapped to serve the new Day Care Center.

- c. Would the proposed project require the construction of settling ponds?

No.

- d. Would the proposed project affect any existing body of water?

The new facility may add stormwater to the local creek (Lick Run), but any impact should be small.

- e. Would the proposed project be located in or impact a floodplain?

No.

- f. Would the proposed project be located on (or near) or impact wetlands?

No.

- g. Would the proposed project be likely to cause erosion?

Trenching for utilities and excavation for the foundation would provide opportunities for soil erosion. Standard sediment control techniques would be applied to abate erosion. Stockpiles of soil could be covered with plastic to prevent erosion. Impact should be minimal based on the small foot print of the building.

- h. Would any wetlands be impacted by the discharge of wastewater from project activities?

No.

- i. Would any construction activities planned under the proposed project result in stream diversion?

No.

3. Geological/Soil Conditions

- a. Describe any instability (e.g., subsidence) in the topography near the proposed project.

Geologic explorations on the site have confirmed that, although the site consists of 30 year old fill originating from adjacent developed area, the site is stable and free of subsidence.

- b. Is there faulting in the vicinity of the proposed project area?

There is no known active faulting in the immediate vicinity of the proposed building. Seismic risks maps show a very low risk of damage from earthquakes in this region.

- c. Describe the soil in the vicinity of the proposed project in terms of productivity, presence of unique species, and susceptibility to erosion.

The fill atop the original base soils consist of mostly tight shales; the base geology is mostly shale of varying degrees of hardness.

- d. Would any construction activities planned under the proposed project result in subsidence or changes in soil permeability/filtration?

The building's foundations and utility services will be shallow and will extend to just below frost line. The shallow nature of said will not induce any subsidence. Due to the low permeability of the soils, on-site drainage will be collected and improved.

4. Vegetation and Wildlife Resources

- a. Describe the indigenous flora and fauna in the vicinity of the proposed project.

The daycare center will be located on an existing open parcel of land that should not adversely affect indigenous flora and fauna in the vicinity.

- b. Identify any state- or Federal-listed endangered or threatened species in the vicinity of the proposed project.

Previous EAs have not identified endangered or threatened species in the vicinity of the site.

- c. Would any threatened or endangered species or their habitat be affected by the proposed project?

No significant habitats have been identified in the vicinity of the site. The project would not affect any threatened or endangered species.

- d. Describe any impacts that construction would have on sensitive or unique habitats.

None. Construction activities would not occur in or near sensitive or unique habitats.

- e. Would any species or subspecies, not indigenous to the area, be introduced as a result of the project (e.g., introducing a new bacterial strain, as in microbial desulfurization projects)?

No.

f. Would any migratory corridors be impacted or disrupted by the proposed project?

No.

g. What regulatory authority maintains cognizance over indigenous wildlife species?

1. PA Fish and Boat Commission
2. PA Game Commission
2. U.S. Department of the Interior, Fish and Wildlife Service

5. Socioeconomic and Infrastructure Conditions

a. What is the population in the vicinity of the proposed project and in communities near the project site?

The proposed building site is in South Park Twp which has a population of approximately 14,340 and is adjacent to Jefferson Hills Borough and Pleasant Hills Borough which have populations of 8,397 and 9,666. The host county, Allegheny, has a population of 1,281,666.

b. Describe employment and labor mix in the vicinity of the proposed project.

Employment in the vicinity of the proposed building is dominated by thr Bruceton Research Center which is comprised of three federal agencies DOE, NIOSH, and MSHA. There is also a variety of retail vendors and service providers in the adjacent areas.

c. Would changes (increases/decreases) in regional labor requirements be created by the proposed project?

No.

d. Would the proposed project alter present traffic patterns?

No.

e. Would the proposed project require new transportation access (roads, rail, etc.)?

No.

f. Would the proposed project create an increase in local energy usage?

A minor increase would occur during construction. A slight energy increase is expected once the facility is in operation.

g. Would the proposed project increase local energy efficiency?

DOE is interested in implementing energy efficiency through use of state of the art technology.

h. Would the proposed project significantly impact local fuel or energy supply?

No.

i. Would any new transmission lines be required?

Electricity transmission lines would be run underground to Allegheny Power's existing overhead transmission lines along Wallace Road.

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.

Within the boundaries of the NETL site there are no places listed on the National Register. There are no known historical or cultural places that might be disturbed by construction of the new building or its support facilities.

- b. Are there any known archeological sites in the vicinity of the proposed project?

No.

- c. Would construction or operational activities planned under the proposed project disturb any historical or cultural sites?

No.

- d. Has the State Historic Preservation Office been contacted with regard to this project?

No.

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.

- c. Would any facilities constructed under the proposed project contrast with the present landscape?

No.

For all proposed projects involving laboratory, bench-scale, or larger research and development activities, respond to the following questions.

8. Atmospheric Conditions/Air Quality

- a. Describe the local climate.

The climate is continental with an average January temperature of 29.7 F and an average July temperature of 73.1 F. The average annual precipitation is 40.6 inches.

- b. Identify air quality conditions in the immediate vicinity of the proposed project with regard to attainment of National Ambient Air Quality Standards. (This information should be available from the county environmental agency.)

	<u>Attainment</u>	<u>Non-Attainment</u>
O ₃	#	G
SO _x	#(unclassified)	G
PM ₁₀	#	G
CO	#	G
NO ₂	#	G
Lead	#	G

- c. Would the proposed project be in compliance with the National Emissions Standards for Hazardous Air Pollutants?

N/A

- d. Would the proposed project be classified as either a New Source or a major modification to an existing source?

N/A

- e. Would the proposed project be in compliance with the New Source Performance Standards?

No.

- f. Would the proposed project be subject to prevention of significant deterioration review?

No.

- g. What authority regulates air quality in the project area (identify Federal, state, and local authorities)?

1. Allegheny County Health Department - Air Quality Program

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

Mr. Ed Taylor
 ACHD - Air quality Program
 301 39th Street, Bldg #7
 Pittsburgh, PA 15201
 412 - 578 - 8138

- i. When were these authorities contacted regarding the proposed project (if necessary)? Include results of discussions.

Not contacted.

j. How does each regulator (authority) define a major source (e.g., greater than 100 ton/year; thermal input of 250 MMBtu/hr)?

Greater than 10 tons per year for a single HAPs or 25 tons or more per year of a combination of HAPs.

k. Would any types of emission control or particulate collection devices be used?

No.

l. If no control devices are used, how would emissions be vented?

N/A

m. What types of air emissions, including fugitive emissions, would be anticipated from the proposed project, and what would be the total quantity and maximum annual rate of emissions over the duration of the project?

#	None	(Maximum per year)	(Total for project)
G	SO _x	_____	_____
G	NO _x	_____	_____
G	PM ₁₀	_____	_____
G	CO	_____	_____
G	Lead	_____	_____
G	H ₂ S	_____	_____
G	organic solvent vapors or other volatile organic compounds -- list VOCs from paints, paint thinners, adhesives, solvents, etc.		
G	hazardous air pollutants -- list		
G	other -- list Fugitive dust from construction activities; engine emissions from construction machinery		

n. Would the proposed project reduce the amount of air emissions in the area?

The new facility would be more energy efficient and thus use less electricity, thereby producing less pollution versus past designs. However the addition of a new facility would not reduce the amount of air emissions in the area. The additional air emissions would be minimal.

o. Identify Federal, state, and local air quality regulations that govern emissions in the project area.

Allegheny County Article XXI.

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.

The distance to Lick Run is 800 ft.

- 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.

The building would be supplied with drinking water and sanitary use water from the PA American Water Authority. The total contributing community would be 90 children and a staff of 10 adults.

- c. Quantify the total amount of wastewater that would be generated by the proposed project.

G	None (small amounts may be generated during construction; porta potties will accommodate sewage)	
G	non-contact cooling water	(gallons)
G	process water	(gallons)
#	sanitary and/or grey water	(2000 gallons) 5 days per week when in operation
G	other -- describe	(gallons)

- d. What would be the components of each type of wastewater (e.g., coal fines)?

Only normal sewage would be produced during building operation.

- e. Identify the local treatment facility that would receive wastewater from the proposed project.

Sewage would be processed by the Claiton Sewage Authority. A small net increase in sewage generation is expected.

- f. Describe how wastewater would be collected and treated.

Normal office building plumbing systems will deliver the wastewater to the local municipal sewage collection and treatment system.

- g. What Federal, state, and local authorities regulate water quality in the proposed project area?

1. Clairton Authority.
2. PA Department of Environmental Protection, Division of Water Quality.

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

Clairton Sewage Authority
 Joseph Drnach
 #1 North State St.
 Clairton, PA 15025
 412-233-3246

PA DEP - General Number 412-442-4000

- i. When were these authorities contacted regarding the proposed project (if necessary)? Include results of discussions.

Not contacted.

j. Would any run-off or leachates be produced from storage piles or waste disposal sites?

No.

k. Identify Federal, state, and local regulations that govern water effluents/water quality in the project area.

PA Department of Environmental Protection, NPDES Program regulations.

l. Where would wastewater effluents from the proposed project be discharged?

The Clairton Authority discharges to the Monongahela River.

m. Would the proposed project be permitted to discharge effluents into an existing body of water?

No.

n. Would a new or modified National Pollutant Discharge Elimination System (NPDES) permit be required?

TBD.

o. Would the proposed project increase or decrease the surface area of an existing body of water?

No.

p. Would the proposed project adversely affect the quality or movement of groundwater?

Any impact from compaction, if it occurs, beneath the building would be localized and without substantial impact on aquifers. The installation will aid in eliminating site erosion and will improve the collection of rainfall using a composite of french drains, catch basins, and storm sewers.

10. Solid and Hazardous Wastes

a. Describe in detail and provide the total quantity of all nonhazardous wastes that would be generated from the

	<u>Quantity</u>
G None	
• municipal solid waste, i.e., paper, plastic, etc.	(Same as existing usage)
G coal or coal by-products	()
• other -- identify	()
_____ Construction waste _____	(80 tons)
_____	()

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).

b. Describe in detail and provide the total quantity of all hazardous wastes (40 CFR 261.3) that would be generated, used, or stored under this project.

It is anticipated that small amounts of hazardous materials, in the form of paints, paint thinners, soldering/welding fluxes, adhesives, etc. would be used during construction.

- c. How and where would solid waste disposal be accomplished?

Construction waste would be sent to the local municipal landfill , to the appropriate local construction waste landfill or possibly recycled.

- d. How would wastes for disposal be transported?

Construction waste would be hauled by dump trucks and by dumpster trucks. Trailers may be transported as whole mobile trailers.

- e. How many trips would be required for landfill disposal?

Approximately 5 to 10 for construction waste.

- f. What volume of the landfill would the solid waste occupy?

15 CY

- g. What Federal, State, and local waste management authorities would have permit authority for the landfill?

1. PA department of Environmental Protection

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

PADEP-Bureau of Land Recycling and Waste Management
400 Waterfront St.
Pittsburgh, PA 15222-4745
412-442-4000

- i. When were these authorities contacted regarding the proposed project (if necessary)? Include results of discussions.

Not contacted.

- j. How would hazardous or toxic products be collected and stored?

1. The construction contractor would be responsible for collecting, storing and properly disposing of hazardous wastes.

- k. If hazardous/toxic solid wastes are subject to land disposal restrictions, how would collection, treatment, and disposal of the wastes be accomplished?

Shipping and treatment would be provided by commercial certified transporters and TSD facilities.

- l. If hazardous wastes would require off-site disposal, have arrangements been made with a certified TSD (Treatment, Storage, and Disposal) facility?

Arrangements would be made with a certified TSD facility.

- m. How would hazardous waste(s) be transported?

All hazardous wastes would be transported by a certified hazardous waste hauler.

- n. What treatment/storage/disposal methods would be used for hazardous wastes?

The construction contractor would select and arrange for TSD facility services.

11. Health/Safety Factors

- a. Identify any hazardous or toxic substances that would be used in the proposed project.

It is anticipated that small amount of hazardous materials, in the form of paints, paint thinners, soldering/welding fluxes, adhesives, sealants, etc., would be used during construction.

- b. What would be the likely impacts of these substances on human health and the environment?

The small quantities of these materials used would create only a small risk of health problems. However, in any construction project there is an increased risk of causing or contribution to the development of various diseases and abnormal conditions, such as asthma and hyper-sensitivity.

- c. Would there be any potential for workers to be exposed to toxic/hazardous chemicals or wastes?

Construction workers may be exposed to hazardous or toxic construction materials. NETL employees should not be exposed. Construction contractors will be required to show to NETL their safety plans and their MSDS sheets for chemicals brought on-site.

- d. Would there be any potential for exposure to extreme temperatures?

Construction workers will work outside where they are exposed to the full range of outdoor temperatures.

- e. Would there be any special physical hazards associated with the project?

Construction workers are at high risk for various accidents, including falls from heights, impacts from falling objects, nail gun injuries, etc. The construction contractor(s) will be required to show DOE their safety plans.

- f. Would personal protective equipment or clothing be required?

Various specialized work by construction workers will require safety glasses, hardhats, hearing protection, gloves, dust masks or respirators, fall protection devices, safety shoes, etc.

- g. Does a worker safety program exist at the location of the proposed project?

NETL maintains a worker safety program. The construction contractor will be required to have a worker safety program and to submit their plan to DOE. Construction workers are required to comply with OSHA safety requirements.

- h. Would safety training be necessary for any laboratory, equipment, or processes involved with the project?

Generally, DOE would not directly train construction contractor employees. General orientation may be provided.

- i. Describe any increases in ambient noise levels from construction and operational activities.

Construction activities are expected to significantly increase noise levels, both on-site and in nearby areas off-site.

- j. Would project construction result in the removal of natural barriers that act as noise screens?

There are no significant noise barriers that could be removed by the proposed actions.

- k. Identify the expected highest decibel level at the closest point of public access.

80 dBA

- l. Identify the highest expected decibel level in the work area.

95 dBA

- m. Would hearing protection be required for workers?

Hearing protection would be required for construction workers when performing certain tasks.

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.

- 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.

- c. Would the proposed project involve improvements to environmental monitoring and control systems of an existing structure or building?

No.

- 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.

E. REGULATORY COMPLIANCE

- 1. For the following laws, describe any new or modified permits, manifests, contacts, etc., that would be required for the proposed project:

- a. Resource Conservation and Recovery Act (RCRA):

None expected, but if needed most likely would be manifested waste.

- b. Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA):

N/A

- c. Toxic Substance Control Act (TSCA):
None aware of.
 - d. Water Pollution Control Act (WPCA):
Modification of NPDES general permit may be required.
 - e. Clean Air Act (CAA):
Not anticipated, addition of heating system may be added to next air emissions inventory.
 - f. Endangered Species Act (ESA):
N/A
 - g. Floodplains and Wetlands Regulations:
N/A
 - h. Fish and Wildlife Coordination Act (FWCA):
N/A
 - i. Farmland Protection Policy Act (FPPA):
N/A
 - j. National Historic Preservation Act (NHPA):
N/A
 - k. Coastal Zone Management Act (CZMA):
N/A
 - l. American Indian Religions Freedom Act (AIRFA):
N/A
 - m. Wild and Scenic Rivers Act (WSRA):
N/A
2. Identify any other environmental laws and regulations (Federal, state, and local) for which compliance would be necessary for this project, and describe the permits, manifests, and contacts that would be required.
- 1. Compliance with South Park Twp building codes
 - 2. State and Allegheny County codes will apply.

F. DESCRIBE ANY ISSUES THAT WOULD GENERATE PUBLIC CONTROVERSY REGARDING THE PROPOSED PROJECT.

- 1. Noise and dust impacts.
- 2. Increased traffic related to construction.

G. WOULD THE PROPOSED PROJECT PRODUCE ADDITIONAL DEVELOPMENT, OR ARE OTHER MAJOR DEVELOPMENTS PLANNED OR UNDERWAY, IN THE PROJECT AREA?

NETL is proposing to build a new office building within a 7 year time span.

H. SUMMARIZE THE SIGNIFICANT IMPACTS THAT WOULD RESULT FROM THE PROPOSED PROJECT.

- 1. The new building should slightly increase NETL's electricity consumption in the long-term.
- 2. Construction of the new facility would generate a small amount of construction waste.
- 3. Construction activities would create noise impacts in nearby buildings which should not be significant.
- 4. Construction activities would create some additional traffic on Wallace Road and would create some dust along the roadway.

IV. CERTIFICATION BY PROPOSER

I hereby certify that the information provided herein is current, accurate, and complete as of the date shown immediately below.

DATE: 05 / 08 / 2002
 month day year

SIGNATURE: _____

TYPED NAME: Elias J. George

TITLE: Environmental Engineer

ORGANIZATION: DOE/NETL

V. REVIEW AND APPROVAL BY DOE

I hereby certify that I have reviewed the information provided in this questionnaire, have determined that all questions have been appropriately answered, and judge the responses to be consistent with the efforts proposed. Based on the information in the questionnaire, I conclude the following (check the appropriate box):

- G The proposed action falls under one or more of the categorical exclusions (CXs) listed in Appendix A or B of Subpart D of the DOE NEPA Implementing Procedures and would not (1) violate applicable ES&H requirements, (2) require siting of waste TSD or recovery facilities, (3) disturb hazardous substances (excluding naturally occurring petroleum and natural gas), thus producing uncontrolled or unpermitted releases, and (4) adversely affect environmentally sensitive resources.

Additionally, the proposed action (1) would not present any extraordinary circumstances such that the action might have a significant impact upon the human environment, (2) is not connected to other actions with potentially significant impacts, and (3) is not related to other actions with cumulatively significant impacts.

Based on the Environmental Questionnaire and these conclusions, Categorical Exclusion of the proposed action would be appropriate.

- 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: _____