ENCLOSURE 4

SEPA

Use for City of Spokane Shoreline Conditional Use Permit per Tami Palmquist email 7/13/2015. This version supersedes others submitted prior to January 2016

Evaluation for Agency Use Only

State Environmental Policy Act (SEPA)
ENVIRONMENTAL CHECKLIST

File No. _____

PLEASE READ CAREFULLY BEFORE COMPLETING THE CHECKLIST!

Purpose of Checklist:

The State Environmental Policy Act (SEPA) chapter 43.21C RCW, requires all governmental agencies to consider the environmental impacts of a proposal before making decisions. An Environmental Impact Statement (EIS) must be prepared for all proposals with probable significant adverse impacts on the quality of the environment. The purpose of this checklist is to provide information to help you and the agency identify impacts from your proposal (and to reduce or avoid impacts from the proposal, if it can be done) and to help the agency decide whether an EIS is required.

Instructions for Applicants:

This environmental checklist asks you to describe some basic information about your proposal. Governmental agencies use this checklist to determine whether the environmental impacts of your proposal are significant, requiring preparation of an EIS. Answer the questions briefly, with the most precise information known, or give the best description you can.

You must answer each question accurately and carefully, to the best of your knowledge. In most cases, you should be able to answer the questions from your own observations or project plans without the need to hire experts. If you really do not know the answer, or if a question does not apply to your proposal, write "do not know" or "does not apply." Complete answers to the questions now may avoid unnecessary delays later.

Some questions ask about governmental regulations, such as zoning, shoreline, and landmark designations. Answer these questions if you can. If you have problems, the governmental agencies can assist you.

The checklist questions apply to all parts of your proposal, even if you plan to do them over a period of time or on different parcels of land. Attach any additional information that will describe your proposal or its environmental effects. The agency to which you submit this checklist may ask you to explain your answers or provide additional information reasonably related to determining if there may be significant adverse impact.

Use of checklist for nonproject proposals:
Complete this checklist for nonproject proposals, even though questions may be answered "*does not apply*."

IN ADDITION, complete the SUPPLEMENTAL SHEET FOR NONPROJECT ACTIONS (Part D).

For nonproject actions, the references in the checklist to the words "project," "applicant," and "property or site" should be read as "proposal," "proposer," and "affected geographic area," respectively.

A. BACKGROUND

1. Name of proposed project: YPL - HDD under Spokane River at MP 1.3
2. Applicant: Yellowstone Pipe Line Company, Attn: Mike Miller
3. Address: 2626 Lillian Avenue
   City/State/Zip: Billings, MT 59101 Phone: 406-255-5727
   Agent or Primary Contact: Terracon Consultants, Inc., Attn: Jean Ramer or Dan Nebel
   Address: 2110 Overland Avenue, Suite 124
   City/State/Zip: Billings, MT 59102 Phone: 406-656-3072
   Location of Project: Spokane River north of Felts Field
   Address: N/A
   Section: 11 Quarter: NE Township: 25 N Range: 43 E
   Tax Parcel Number(s) See attached
4. Date checklist prepared: January 8, 2016
5. Agency requesting checklist: City of Spokane Building and Planning Dept.
6. Proposed timing or schedule (including phasing, if applicable):
   Proposed Start Date: 4/1/2016, Proposed End Date: 6/1/2016

7. a. Do you have any plans for future additions, expansion, or further activity related to or connected with this proposal? If yes, explain.
   Ongoing depth of cover monitoring, survey of final location for easement as-built, periodic right-of-way clearing.

   b. Do you own or have options on land nearby or adjacent to this proposal? If yes, explain.
   No

8. List any environmental information you know about that has been prepared, or will be prepared, directly related to this proposal.
   A geotechnical report was prepared. A SWPPP will be prepared. A JARPA has been submitted to the regulatory agencies with jurisdiction.

9. Do you know whether applications are pending for governmental approvals of other proposals directly affecting the property covered by your proposal? If yes, explain. _____
None known.

10. List any government approvals or permits that will be needed for your proposal, if known.
Aquatic Use Authorization, Hydraulic Project Approval, City Conditional Use Permit, County Conditional Use Permit, City Easements

11. Give brief, complete description of your proposal, including the proposed uses and the size of the project and site. There are several questions later in this checklist that ask you to describe certain aspects of your proposal. You do not need to repeat those answers on this page. _____

Using a horizontal directional drill (HDD) a new section of 10-inch diameter refined petroleum products pipeline will be installed between 22 and 37 feet under the river. The new section will replace an existing section, which will be abandoned in place after the new section is tied in. The drill will enter on the south side outside the floodplain and will exit north of N Upriver Drive. New valves will be constructed on pipeline right of way 250 feet away from the south bank and 450 feet away from the north bank. Two existing valves will be removed 120 feet from the south bank and 195 feet from the north bank. Pipe will be laid out and welded on the north side of N Upriver Drive. The river bed will not be disturbed. Some clearing of small trees and shrubs is proposed 15 feet on each side of the new pipeline centerline to allow regular aerial monitoring in compliance with state and federal pipeline safety regulations.

12. Location of the proposal: Give sufficient information for a person to understand the precise location of your proposed project, including a street address, if any, and section, township and range, if known. If a proposal would occur over a range of area, provide the range or boundaries of the site(s). Provide a legal description, site plan, vicinity map, and topographic map, if reasonably available. While you should submit any plans required by the agency, you are not required to duplicate maps or detailed plans submitted with any permit application related to this checklist.

Section 11, T 25 N, R 43 E, Spokane County, WA
Latitude: 47.679902 N; Longitude: 117.335517 W
North of Felts Field adjacent to N Waterworks St (south) and N Upriver Dr (north)

13. Does the proposed action lie within the Aquifer Sensitive Area (ASA)? The General Sewer Service Area? The Priority Sewer Service Area? The City of Spokane? (See: Spokane County's ASA Overlay Zone Atlas for boundaries.) _____
ASA = Yes. GSSA = unknown. Priority SSA = unknown. City of Spokane = Yes.

14. The following questions supplement Part A.

a. Critical Aquifer Recharge Area (CARA) / Aquifer Sensitive Area (ASA)

(1) Describe any systems, other than those designed for the disposal of sanitary waste installed for the purpose of discharging fluids below the ground surface (includes systems such as those for the disposal of stormwater or drainage from floor drains). Describe the type of system, the amount of material to be disposed of through the system and the types of material likely to be disposed of (including materials which may enter the system inadvertently through spills or as a result of firefighting activities). _____

There are no systems included in the design for the purpose of discharging fluids below the ground surface. Some bentonite drilling mud will be discharged below the ground surface as required for the drilling activity. the HDD would be drilled in compliance with State of Washington Water Well Construction Standards with a surface seal in the annular space between the carrier pipe and the bore hole wall to a depth of 18 feet below the surface.

(2) Will any chemicals (especially organic solvents or petroleum fuels) be stored in aboveground or underground storage tanks? If so, what types and quantities of material will be stored?

Chemicals stored on site include gasoline, diesel and hydraulic fluids, which will be stored above ground in approved containers in trailers on the site, and inert bentonite drilling mud.

(3) What protective measures will be taken to insure that leaks or spills of any chemicals stored or used on site will not be allowed to percolate to groundwater. This includes measures to keep chemicals out of disposal systems.

Chemicals stored on site include gasoline, diesel and hydraulic fluids which will be stored in containment areas and inert bentonite mud which will be delivered in 60 pound sacks and stored on trucks or pallets. Spill kits will be kept on site and employees trained in their proper use.

(4) Will any chemicals be stored, handled or used on the site in a location where a spill or leak will drain to surface or groundwater or to a stormwater disposal system discharging to surface or groundwater?

Chemicals stored on site during construction include gasoline, diesel and hydraulic fluids which will be stored in containment areas and inert bentonite sacks will be stored on trucks or on pallets. Spill kits will be kept on site and employees trained in their proper use. There is a storm water inlet located across N Waterworks St. near the work area but it is upgradient.

b. Stormwater

(1) What are the depths on the site to groundwater and to bedrock (if known)?_____

Groundwater is at 30 feet below ground surface at the south side drill entry and 44 feet below ground surface on the north side drill exit. The groundwater elevation is approximately the same as the river bed elevation and will vary seasonally.

(2) Will stormwater be discharged into the ground? If so, describe any potential impacts.
No

B. ENVIRONMENTAL ELEMENTS

1. Earth

a. General description of the site (check one):

☒ Flat ☐ Rolling ☒ Hilly ☒ Steep slopes ☐ Mountainous

Topography is flat on the upper terraces where work will take place. Steep slopes extend from the terraces to the river banks.

b. What is the steepest slope on the site (approximate percent slope)? _____
35% from N Upriver Drive to the bottom of the north river bank.

c. What general types of soils are found on the site (for example, clay, sand, gravel, peat, muck)? If you know the classification of agricultural soils, specify them and note any agricultural land of long-term commercial significance and whether the proposal results in removing any of these soils.
Well graded gravel with clay and sand. The area is not agricultural land.

d. Are there surface indications or history of unstable soils in the immediate vicinity? If so, describe.
No.

e. Describe the purpose, type, total area, and approximate quantities and total affected area of any filling, excavation, and grading proposed. Indicate source of fill: _____
Grading will be done within the work areas on both sides of the river to allow the safe operation of equipment and to accommodate the 6' x 10' mud pits and to install the new block valves. Crushed rock will be placed on the ground surface within the block valve enclosure. Clean gravel and topsoil will be brought in to fill the voids where the existing block valves will be removed. The source of material will likely be from an established quarry.

f. Could erosion occur as a result of clearing, construction, or use? If so, generally describe.
The drill entry work area is at the top of an approximate 18% slope.

g. About what percent of the site will be covered with impervious surfaces after project construction (for example, asphalt, or buildings)? _____
None

h. Proposed measures to reduce or control erosion or other impacts to the earth, if any: _____
A SWPPP will be implemented to retain and infiltrate stormwater on the flat work areas with silt fence and/or straw wattles. The cleared area near the bank will be stabilized with erosion control blanket or mulched. A vegetation buffer about 80 feet wide will be preserved between the work areas and the river. Compacted earthen berms may be used on the downgradient side of each work area.

2. Air

a. What type of emissions to the air would result from the proposal during construction, operation, and maintenance when the project is completed? If any, generally describe and give approximate quantities if known. _____
Exhaust emissions will occur while the drill is operating during daylight hours.

b. Are there any off-site sources of emissions or odor that may affect your proposal? If so, generally describe. _____
No

c. Proposed measures to reduce or control emissions or other impacts to air, if any: _____
Equipment will be kept in good working order. The equipment to be used is equipped with GPS managed idling alert controls that shut the equipment down after a period of inactivity to reduce fuel consumption and reduce emissions.

3. Water

a. SURFACE WATER:

(1) Is there any surface water body on or in the immediate vicinity of the site (including year-round and seasonal streams, saltwater, lakes, ponds, wetlands)? If yes, describe type and provide names. If appropriate, state what stream or river it flows into. _____
The Spokane River (perennial) is in the immediate vicinity.

(2) Will the project require any work over, in, or adjacent to (within 200 feet) the described waters? If yes, please describe and attach available plans. _____
The new pipe will be placed 22 to 37 feet under the river bed and no work will take place over or in the river. See project description in section A. 11. Existing valves will be removed within 200 feet of the bank. Small trees and shrubs will be removed 15 feet on both sides of the new pipeline centerline. The new block valves and work areas are greater than 200 feet from the bank.

(3) Estimate the amount of fill and dredge material that would be placed in or removed from the surface water or wetlands and indicate the area of the site that would be affected. Indicate the source of fill material.
No dredged or fill material will be placed in or removed from surface water or wetlands.

(4) Will the proposal require surface water withdrawals or diversions? If yes, give general description, purpose, and approximate quantities if known. _____
Water is required for the drilling process and for hydrotesting the new pipe. The drlling mud will be recirculated during drilling and from 2,000 to 5,000 gallons per day may be required. Maximum anticipated use would be between 15,000 to 25,000 gallons for the entire project. Hydrotesting will require another 4,000 gallons. All water used for the project will be purchased from a municipal source.

(5) Does the proposal lie within a 100-year floodplain? If so, note location on the site plan.
Some clearing of vegetation would take place within the floodplain.

(6) Does the proposal involve any discharge of waste materials to surface waters? If so, describe the type of waste and anticipated volume of discharge. _____

No

b. GROUNDWATER:

(1) Will groundwater be withdrawn from a well for drinking water or other purposes? If so, give a general description of the well, proposed uses and approximate quantities withdrawn from the well. Will water be discharged to groundwater? Give general description, purpose, and approximate quantities if known. _____

No groundwater wells are proposed. No groundwater discharges are proposed. The bentonite and water drilling mud will be disposed of at an off site upland location. Water used to hydrotest the new pipe will be discharged into a filter bag and allowed to infiltrate into the ground. The hydrotest water will be from a municipal source and may contain rust particles from the pipe interior, but no chemicals are used in hydrotesting.

(2) Describe waste material that will be discharged into the ground from septic tanks or other sources, if any (for example: Domestic sewage; industrial, containing the following chemicals...; agricultural; etc.). Describe the general size of the system, the number of such systems, the number of houses to be served (if applicable), or the number of animals or humans the system(s) are expected to serve. _____

None

c. WATER RUNOFF (INCLUDING STORMWATER):

(1) Describe the source of runoff (including stormwater) and method of collection and disposal if any (include quantities, if known). Where will this water flow? Will this water flow into other waters? If so, describe.

Stormwater will not leave the work areas. No impervious surfaces are planned. Erosion control measures will be implemented around the downgradient perimeters of the disturbed work areas so that runoff does not concentrate and transport sediment off the work areas.

(2) Could waste materials enter ground or surface waters? If so, generally describe. _____

All construction materials within the work areas will be inspected throughout the day when work is ongoing. Materials will be stored in trailers or in impervious containment areas. The bentonite drilling mud/municipal water compound has no additives and will be discharged onto the ground surface in a containment pit, to be collected and disposed of after use. Some drilling mud will enter groundwater during the drilling operation.

(3) Does the proposal alter or otherwise affect drainage patterns in the vicinity of the site? If so, describe.

No. The pre-disturbance ground contours will be re-established after construction is completed. The new block valves will be outside of the 200 foot shoreline management area and will not involve impervious surfaces. The existing block valves will be removed, ground contours restored and disturbed areas revegetated. The cleared right-of-way near the bank will be revegetated with grasses.

d. PROPOSED MEASURES to reduce or control surface, ground, and runoff water, and drainage patter impacts, if any. _____

A SWPPP will implement BMPs approved by the Dept. of Ecology

4. Plants

a. Check the type of vegetation found on the site:

Deciduous tree: ☐ alder ☐ maple ☐ aspen

Other: _____

Evergreen tree: ☐ fir ☐ cedar ☐ pine

Other: Deciduous tree species not identified

☒ Shrubs ☒ Grass ☐ Pasture ☐ Crop or grain

☐ Orchards, vineyards or other permanent crops

Wet soil plants: ☐ cattail ☐ buttercup ☐ bullrush ☐ skunk cabbage

Other: _____

Water plants: ☐ water lily ☐ eelgrass ☐ milfoil

Other: _____

Other types of vegetation: weeds

b. What kind and amount of vegetation will be removed or altered? _____

Some lawn grasses and weeds will be removed within the temporary work areas on both sides of the river. Vegetation will be restored where the existing block valves will be removed. Where the new block valves will be constructed, grass will be converted to crushed rock pads and valve structures enclosed within permanent fencing. The new block valves will be landscaped to closely approximate natural vegetation and to minimize the visual impact of the enclosure fence. The new pipeline right of way will be cleared of trees and shrubs, and reseeded with grass to allow aerial monitoring. See drawings for dimensions of vegetation alterations.

c. List threatened and endangered species known to be on or near the site. _____
None known to occur within the City of Spokane. See USFWS IPaC report attached.

d. Proposed landscaping, use of native plants, or other measures to preserve or enhance vegetation on the site, if any: _____
Disturbed areas will be reseeded with the same grass species as currently present. Landscaping near and around the new block valves will include native plants for screening to reduce visual impacts. The right of way over the abandoned pipelines can be planted with trees and shrubs since these areas do not need to be kept clear for aerial monitoring purposes.

e. List all noxious weeds and invasive species known to be on or near the site. _____
None known

5. Animals

a. Check ***and*** List any birds and other animals which have been observed on or near the site or are known to be on or near the site:

Birds: ☐ hawk ☐ heron ☐ eagle ☒ songbirds

Other: _____

Mammals: ☒ deer ☐ bear ☐ elk ☐ beaver

Other: _____

Fish: ☒ bass ☒ salmon ☒ trout ☐ herring ☐ shellfish

Other: _____

Other (*not* listed in above categories): _____
No bird, fish or wildlife species surveys have been conducted.

b. List any threatened or endangered animal species known to be on or near the site.
A search of the USFWS IPaC database showed Yellow-billed Cuckoo, Bull Trout, Spauldings Catchfly, Water Howellia and Canada Lynx are potentially present in Spokane County. No listed species are known to occupy the project site.

c. Is the site part of a migration route? If so, explain. _____

Migratory birds are likely to use the river corridor. Fish likely migrate along the river to reach tributaries.

d. Proposed measures to preserve or enhance wildlife, if any: _____

Using HDD technology preserves riparian and riverine habitat. Revegetating disturbed areas with native species enhances ecological diversity, and reduces the potential for invasive species. Planting native shrubs in areas where they won't impede pipeline maintenance or cause operational problems would provide additional food and cover for wildlife and birds.

e. List any invasive animal species known to be on or near the site. _____

None known.

6. Energy and natural resources

a. What kinds of energy (electric, natural gas, oil, wood stove, solar) will be used to meet the completed project's energy needs? Describe whether it will be used for heating, manufacturing, etc.

Diesel will be used to run the equipment during construction. When the work is completed, electricity will be used for cathodic protection to prevent corrosion of the pipe. This is the current condition and will be maintained throughout the life of the pipeline.

b. Would your project affect the potential use of solar energy by adjacent properties? If so, generally describe. _____

No

c. What kinds of energy conservation features are included in the plans of this proposal? List other proposed measures to reduce or control energy impacts, if any: _____

The equipment to be used is equipped with GPS managed idling alert controls that shut the equipment down after a period of inactivity to reduce fuel consumption.

7. Environmental health

a. Are there any environmental health hazards, including exposure to toxic chemicals, risk of fire and explosion, spill, or hazardous waste that could occur as a result of this proposal? If so, describe. _

Risk associated with construction and operation of petroleum pipelines will continue to exist. The Petroleum Hazardous Materials Safety Administration regulates pipelines and industry health and safety standards will be employed as with any pipeline maintenance project. This project is intended to reduce risk to water resources by increasing depth of cover and replacing older facilities with new materials.

(1) Describe any known or possible contamination at the site from present or past uses.
An environmental transaction screen was conducted in April 2015 in general accordance with ASTM E1528-14. Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process. The ETS concluded that there may be residual agricultural chemicals in the soil on the north side from a historic orchard. No other potential contaminants were identified.

(2) Describe existing hazardous chemicals/conditions that might affect project development and design. This includes underground hazardous liquid and gas transmission pipelines located within the project area and in the vicinity. _____

The existing pipeline currently transports gasoline, diesel and jet fuel. YPL adheres to environmental health and safety regulations for petroleum pipelines administered by the Pipeline Hazardous Materials Safety Administration. These regulations apply to all operations and maintenance activities conducted by YPL.

(3) Describe any toxic or hazardous chemicals/conditions that might be stored, used, or produced during the project's development or construction, or at any time during the operating life of the project. _____

The current and proposed pipeline transports refined petroleum products (gas, diesel and jet fuel). The status quo will be maintained. During construction, diesel for construction equipment will be stored on site in appropriate containment areas.

(4) Describe special emergency services that might be required. _____

None required.

(5) Proposed measures to reduce or control environmental health hazards, if any:

YPL adheres to environmental health and safety regulations for petroleum pipelines administered by the Pipeline Hazardous Materials Safety Administration. These regulations apply to all operations and maintenance activities conducted by YPL.

b. NOISE:

(1) What types of noise exist in the area which may affect your project (for example: traffic, equipment, operation, other)? _____

The project is within the City of Spokane and is adjacent to a shooting range, an airport, residential area, water plant, recreational trail and city streets. No affects to the project are expected.

(2) What types and levels of noise would be created by or associated with the project on a short-term or a long-term basis (for example: traffic, construction, operation, other)? Indicate what hours noise would come from the site. _____

The drilling equipment would create noise during daylight hours, only during the 2 to 4 week construction period. Once the work is completed, noise levels will return to normal.

(3) Proposed measure to reduce or control noise impacts, if any: _____

The applicant will conduct the work as quickly as possible to minimize the duration of noise generating activities. Work will be done during daylight hours.

8. Land and shoreline use

a. What is the current use of the site and adjacent properties? Will the proposal affect current land uses on nearby or adjacent properties? If so, describe. _____

The City of Spokane owns the property and YPL has an easement. The project is adjacent to a shooting range, airport, residential area, water plant, recreational trail and city streets. No changes to land use are proposed.

b. Has the project site been used as working farmlands or working forest lands? If so, describe. How much agricultural or forest land of long-term commercial significance will be converted to other uses as a result of the proposal, if any? If resource lands have not been designated, how many acres in farmland or forest land tax status will be converted to nonfarm or nonforest use? _____

There is a remnant of an historic orchard on the north side of the river. It is not known what other agricultural activities may have taken place on the site prior to its current state of development. No farm or forest lands will be converted to other uses.

1) Will the proposal affect or be affected by surrounding working farm or forest land normal business operations, such as oversize equipment access, the application of pesticides, tilling, and harvesting? If so, how: _____

No

c. Describe any structures on the site. _____

The only above ground structures belonging to YPL on the site are the two existing block valves and the housing for the communication and electrical systems for the north block valve. The pipeline itself is buried. Other structures on the site owned by others are the Centennial Trail, overhead power lines and city streets.

d. Will any structures be demolished? If so, which? _____

One block valve on each side of the irver will be removed and disturbed areas graded smooth and reseeded.

e. What is the current zoning classification of the site? _____

Light Industrial on the south side and residential on the north side.

f. What is the current comprehensive plan designation of the site? _____

Medium Density Residential on the north side and Municipality on the south side.

g. If applicable, what is the current shoreline master program designation of the site? _____
The north side is designated as Urban Conservancy and the south side as Municipality.

h. Has any part of the site been classified as a critical area by the city or the county? If so, specify. __
No wetlands or geological hazards are present. The river corridor could be a critical area; however, the pipeline right-of-way agreement from 1954 predates the critical area ordinance. The pipeline right of way is within the critical aquifer recharge area.

i. Approximately how many people would reside or work in the completed project? _____
None

j. Approximately how many people would the completed project displace? _____
None

k. Proposed measures to avoid or reduce displacement impacts, if any: _____
Not applicable.

l. Proposed measures to ensure the proposal is compatible with existing and projected land uses and plans, if any: _____
The project will not result in a change from the current land use.

m. Proposed measures to ensure the proposal is compatible with nearby agricultural and forest lands of long-term commercial significance, if any: _____
Not applicable.

9. Housing

a. Approximately how many units would be provided, if any? Indicate whether high, middle, or low-income housing. _____
None

b. Approximately how many units, if any, would be eliminated? Indicate whether high-, middle- or low-income housing. _____
None

c. Proposed measures to reduce or control housing impacts, if any: _____
Not applicable

10. Aesthetics

a. What is the tallest height of any proposed structure(s), not including antennas; what is the principal exterior building material(s) proposed? _____
The block valves and surrounding fencing will be about 10 feet high. The chain link fence and barbed wire are galvanized steel. The fence can include neutral colored slats if appropriate.

b. What views in the immediate vicinity would be altered or obstructed? _____
The existing block valves will be removed and the new ones will be in different locations on the existing right of way. No views will be obstructed.

c. Proposed measures to reduce or control aesthetic impacts, if any: _____
The chain link fence surrounding the new block valves will be screened with low to medium vegetation and/or earth-toned slats.

11. Light and Glare

a. What type of light or glare will the proposal produce? What time of day would it mainly occur?
None

b. Could light or glare from the finished project be a safety hazard or interfere with views?

No

c. What existing off-site sources of light or glare may affect your proposal? _____

None

d. Proposed measures to reduce or control light and glare impacts, if any: _____

Not applicable.

12. Recreation

a. What designated and informal recreational opportunities are in the immediate vicinity? _____

The Centennial Trail crosses the pipeline right of way on the north side of the river. The Spokane River is used for floating and fishing. John C. Shields Park is about .6 mile east of the pipeline crossing.

b. Would the proposed project displace any existing recreational uses? If so, describe. _____

No permanent displacement is expected. Some temporary visual and noise disruptions to recreational users may occur during construction.

c. Proposed measures to reduce or control impacts on recreation, including recreation opportunities to be provided by the project or applicant, if any: _____

The work will be conducted as quickly as possible. The Centennial Trail will not need to be closed. There will be no work in the river channel that would disrupt fishing or floating.

13. Historic and cultural preservation

a. Are there any buildings, structures, or sites, located on or near the sited that are over 45 years old listed in or eligible for listing in national, state, or local preservation registers located on or near the site? If so, specifically describe. _____

The Felts Field Historic District is located .4 mile east of the drill entry area on the south side of the river. The Luther P. and Jane Marie Turner House is located about 1.7 miles west of the project location.

b. Are there any landmarks, features, or other evidence of Indian or historic use or occupation? This may include human burials or old cemeteries. Are there any material evidence, artifacts, or areas of cultural importance on or near the site? Please list any professional studies conducted at the site to identify such resources. _____

No National Register of Historic Places (NRHP) listed archeological sites or NRHP eligible archeological resources are located within one half mile of the project area. Based on a desktop review conducted by Terracon, there are no previously recorded archeological or cultural resources within the are of potential effect. However, one existing archeological riverine site may indicate a medium probability that similar sites are located near river terraces of the Spokane River.

c. Describe the methods used to assess the potential impacts to cultural and historic resources on or near the project site. Examples include consultation with tribes and the department of archaeology and historic preservation, archaeological surveys, historic maps, GIS data, etc. _____

See 13 b. above.

d. Proposed measures to avoid, minimize, or compensate for loss, changes to, and disturbance to resources. Please include plans for the above and any permits that may be required_____

Prior to any excavation, a surface intensive pedestrian survey may be completed with shovel testing within the drill entry and exit work areas.

14. Transportation

a. Identify public streets and highways serving the site or affected geographic area and describe proposed access to the existing street system. Show on site plans, if any. _____

North Upriver Drive, the Centennial Trail and North Waterworks Street cross the pipeline right of way. There will be temporary noticeable construction vehicle activity adjacent to these routes, but no closures are expected. Portions of E Buckeye and N Carnahan Rd south of E Buckeye may require temporary closure for one day during pipe pull back.

b. Is site or affected geographic area currently served by public transit? If so, generally describe. If not, what is the approximate distance to the nearest transit stop _____

No. The nearest bus route is .6 mile from the work area.

c. How many additional parking spaces would the completed project or non-project proposal have? How many would the project or proposal eliminate? _____

None will be created or eliminated.

d. Will the proposal require any new or improvements to existing roads, streets, pedestrian, bicycle or state transportation facilities, not including driveways? If so, generally describe (indicate whether public or private). _____
No

e. Will the project or proposal use (or occur in the immediate vicinity of) water, rail or air transportation? If so, generally describe. _____
Yes. Felts Field is across North Waterworks St. from the drill entry. A BNSF rail yard is .3 mile south of the drill entry. No effects to these systems are expected.

f. How many vehicular trips per day would be generated by the completed project or proposal? If known, indicate when peak volumes would occur and what percentage of the volume would be trucks (such as commercial and non-passenger vehicles). What data or transportation models were used to make these estimates? _____
None

(Note: to assist in review and if known, indicate vehicle trips during PM peak, AM Peak, and Weekday (24 hours).)

g. Will the proposal interfere with, affect or be affected by the movement of agricultural and forest products on roads or streets in the area? If so, general describe. _____
No

h. Proposed measures to reduce or control transportation impacts, if any: _____
Once pipe pullback begins, it must be continuous until it is in position. The process may require closure of portions of E Buckeye and N Carnahan Rd south of E Buckeye for several hours. This would be done during business hours, presumably when most residents are away from their homes. Pullback would be conducted as quickly as possible, using signing and flagmen during road closures.

15. Public services

a. Would the project result in an increased need for public services (for example: fire protection, police protection, public transit, health care, schools, other)? If so, generally describe.
No

b. Proposed measures to reduce or control direct impacts on public services, if any:_____
Not applicable

16. Utilities

a. Check utilities currently available at the site:

- ☐ electricity
- ☐ natural gas
- ☐ water
- ☐ refuse service
- ☐ telephone
- ☐ sanitary sewer
- ☐ septic system

Other: It is assumed all are available since the area is residential.

b. Describe the utilities that are proposed for the project, the utility providing the service, and the general construction activities on the site or in the immediate vicinity which might be needed: _____
Underground electrical cabling will be installed connecting the new block valves to the existing power supply. No new water, sewer, natural gas, or communications utilities are proposed.

C. SIGNATURE

I, the undersigned, swear under penalty of perjury that the above responses are made truthfully and to the best of my knowledge. I also understand that, should there be any willful misrepresentation or willful lack of full disclosure on my part, the *agency* must withdraw any determination of Nonsignificance that it might issue in reliance upon this checklist.

Date: 1/12/16 Signature: [signature]

Please Print or Type:

Proponent: Mike Miller, Yellowstone Pipe Line Company Address: 2626 Lillian Avenue

Phone: 406-255-5727 Billings, MT 59101

Person completing form (if different from proponent): Jean Ramer, Terracon Consultants, Inc.

Phone: 406-830-7621 Address: 2110 Overland Avenue, Suite 124

Billings, MT 59102

FOR STAFF USE ONLY

Staff member(s) reviewing checklist: _____

Based on this staff review of the environmental checklist and other pertinent information, the staff concludes that:

☐ A. there are no probable significant adverse impacts and recommends a Determination of Nonsignificance.

☐ B. probable significant adverse environmental impacts do exist for the current proposal and recommends a Mitigated Determination of Nonsignificance with conditions.

☐ C. there are probable significant adverse environmental impacts and recommends a Determination of Significance.

D. SUPPLEMENTAL SHEET FOR NONPROJECT ACTIONS

(Do not use this sheet for project actions)

Because these questions are very general, it may be helpful to read them in conjunction with the list of elements of the environment.

When answering these questions, be aware of the extent the proposal, or the types of activities likely to result from the proposal, would affect the item at a greater intensity or at a faster rate than if the proposal were not implemented. Respond briefly and in general terms.

1. How would the proposal be likely to increase discharge to water; emissions to air; production, storage, or release of toxic or hazardous substances; or production of noise? _____

   Proposed measures to avoid or reduce such increases are: _____

2. How would the proposal be likely to affect plants, animals, fish or marine life? _____

   Proposed measures to protect or conserve plants, animals, fish or marine life are: _____

3. How would the proposal be likely to deplete energy or natural resources? _____

   Proposed measures to protect or conserve energy and natural resources are: _____

4. How would the proposal be likely to use or affect environmentally sensitive areas or areas designated (or eligible or under study) for governmental protection, such as parks, wilderness, wild and scenic rivers, threatened or endangered species habitat, historic or cultural sites, wetlands, flood plains or prime farmlands? _____

   Proposed measures to protect such resources or to avoid or reduce impacts are:

5. How would the proposal be likely to affect land and shoreline use, including whether it would allow or encourage land or shoreline uses incompatible with existing plans? _____

   Proposed measures to avoid or reduce shoreline and land use impacts are: _____

6. How would the proposal be likely to increase demands on transportation or public services and utilities? _____

   Proposed measures to reduce or respond to such demand(s) are: _____

7. Identify, if possible, whether the proposal may conflict with local, state or federal laws or requirements for the protection of the environment. _____

C. SIGNATURE

I, the undersigned, swear under penalty of perjury that the above responses are made truthfully and to the best of my knowledge. I also understand that, should there be any willful misrepresentation or willful lack of full disclosure on my part, the *agency* may withdraw any Determination of Nonsignificance that it might issue in reliance upon this checklist.

Date: _____ Signature: _____

Please Print or Type:

Proponent: _____ Address: _____

Phone: _____ _____

Person completing form (if different from proponent): _____

Phone: _____ Address: _____

_____

FOR STAFF USE ONLY

Staff member(s) reviewing checklist: _____

Based on this staff review of the environmental checklist and other pertinent information, the staff concludes that:

A. ☐ there are no probable significant adverse impacts and recommends a Determination of Nonsignificance.

B. ☐ probable significant adverse impacts do exist for the current proposal and recommends a Mitigated Determination of Nonsignificance with conditions.

C. ☐ there are probable significant adverse environmental impacts and recommends a Determination of Significance.