TO BE COMPLETED BY APPLICANT

A. BACKGROUND

1. Name of proposed project, if applicable:

    Spokane County
    2014 Comprehensive Wastewater Management Plan (CWMP)
    Draft (September 2014)

2. Name of applicant: Spokane County Division of Utilities (County)

3. Address and phone number of applicant and contact person:

    Mr. Eugene A. Repp, P.E.
    Project Manager
    Spokane County Division of Utilities
    1026 West Broadway Avenue
    Spokane, WA 99260
    (509) 477-7488

4. Date checklist prepared: October 23, 2014

5. Agency requesting checklist: Spokane County Division of Utilities

6. Proposed timing or schedule (including phasing, if applicable):

    Adoption of the CWMP is anticipated in 2015. The CWMP outlines a schedule of wastewater utility capital projects through 2033.

7. Do you have any plans for future additions, expansion, or further activity related to or connected with this proposal? If yes, explain.

    Yes. Some modifications to the location, alignment, or sequence of projects identified in the CWMP are anticipated, as projects advance from the planning phase into predesign and then design.

8. List any environmental information you know about that has been prepared, or will be prepared, directly related to this proposal.

    Separate SEPA Checklists, with detailed project-specific information, will be prepared for specific wastewater utility projects, as required.

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.

    There are no such other proposals related to specific wastewater utility service projects.

    However, the implementation of some projects listed in this CWMP is contingent on future modifications to the County's Urban Growth Area (UGA). The Spokane County Board of County Commissioners (BOCC) adopted an updated UGA Boundary (Resolution 2013-0689) on July 18, 2013, as part of the County's Comprehensive Plan update recommending that the County expand the UGA to accommodate future population growth. The recent modifications to the UGA boundary are currently being appealed, and
SEPA 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 help 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.
the BOCC is in the process of considering testimony regarding this subject. The CWMP was initiated concurrently with the BOCC-approved UGA changes; therefore, the updated boundary was assumed to be the UGA for planning purposes in moving forward with development of this CWMP. The expanded UGA incorporates new areas as well as removes areas that were previously in the UGA. The largest areas added to the UGA include Mead/Mt. Spokane and Geiger Spur. Implementation of this CWMP will be informed by subsequent changes to the UGA as may result from the appeal process.

10. List any government approvals or permits that will be needed for your proposal, if known.

   A. Adoption by the Spokane County Board of County Commissioners, under the County Services Act (RCW 36.94.090).
   B. Approval by the Washington State Department of Ecology.

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. (Lead agencies may modify this form to include additional specific information on project description.)

   The 2014 CWMP will serve as the County’s guide in implementing its sanitary sewer program, with the overarching goal of protecting the Spokane-Rathdum Aquifer and satisfying regulations established by the Washington State Departments of Health (DOH) and Ecology (Ecology), the Spokane Regional Health District, and other regulators. The 2014 CWMP is intended to satisfy the regulations established by Ecology regarding preparation of a General Sewer Plan (GSP) per Washington Administrative Code (WAC) 173-240-650. It also qualifies as a Sewerage General Plan under the County Services Act, per the Revised Code of Washington (RCW) 36.94 (County Services Act).

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 applications related to this checklist.

   The 2014 CWMP pertains to Spokane County’s wastewater utility service areas, which are depicted on Figure 2-2 of the CWMP. The County’s service areas include two different boundaries, one in the Spokane Valley area and one in the North Spokane area. The Spokane Valley area is situated between the City of Spokane and the City of Liberty Lake. It serves areas north and south of the Spokane River. The North Spokane area is located north of the City of Spokane and serves areas adjacent to US Highway 2 and the North Spokane Corridor.

B. ENVIRONMENTAL ELEMENTS

1. Earth

   a. General description of the site (circle one): Flat, rolling, hilly, steep slopes, mountainous, other . . . . .

      The area covered by the 2014 CWMP is large and encompasses a wide range of terrains, slopes, soils, and bodies of surface water. Separate SEPA Checklists, with detailed environmental information, will be prepared for specific wastewater utility projects, as required.

   b. What is the steepest slope on the site (approximate percent slope)?

      Unknown; see 1.a.
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 prime farmland.

   See 1.a.

d. Are there surface indications or history of unstable soils in the immediate vicinity? If so, describe.

   See 1.a.

e. Describe the purpose, type, and approximate quantities of any filling or grading proposed. Indicate source of fill.

   Requirements for filling and grading will be evaluated during the design of specific construction projects. See 1.a.

f. Could erosion occur as a result of clearing, construction, or use? If so, generally describe.

   Some erosion potential may exist during sewer construction. Proper construction practices should minimize erosion. Erosion control plans will be required for specific projects, in most cases.

g. About what percent of the site will be covered with impervious surfaces after project construction (for example, asphalt or buildings)?

   This will be evaluated as new facilities are designed. Many of the projects in the CWMP relate to underground piping.

h. Proposed measures to reduce or control erosion, or other impacts to the earth, if any:

   See 1.f.

2. Air

a. What types of emissions to the air would result from the proposal (i.e., dust, automobile, odors, industrial wood smoke) during construction and when the project is completed? If any, generally describe and give approximate quantities if known.

   During construction, it is expected that dust and emissions from vehicles and construction equipment will occur. Quantities are unknown at this time.

b. Are there any off-site sources of emissions or odor that may affect your proposal? If so, generally describe.

   None known.

c. Proposed measures to reduce or control emissions or other impacts to air, if any:

   Appropriate measures will be required during construction to reduce dust and exhaust emissions in compliance with current State and Spokane County Air Pollution Control Authority regulations.

3. Water

a. Surface:
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.

See 1.a.

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.

It is likely that some projects will be constructed near, along, or through some bodies of surface water. Separate Environmental Checklists, with detailed environmental information, will be prepared for those specific sewer construction projects.

3) Estimate the amount of fill and dredge material that would be placed in or removed from surface water or wetlands and indicate the area of the site that would be affected. Indicate the source of fill material.

None known. This will vary with specific projects and will be addressed in separate Environmental Checklists, with detailed environmental information, for specific sewer construction projects, as required.

4) Will the proposal require surface water withdrawals or diversions? Give general description, purpose, and approximate quantities if known.

No.

5) Does the proposal lie within a 100-year floodplain? If so, note location on the site plan.

Some of the underground sewer piping alignment may be within a 100-year floodplain. Separate Environmental Checklists, with detailed environmental information, will be prepared for those specific sewer construction projects.

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

Yes, treated wastewater from the Riverside Park Water Reclamation Facility and the Spokane County Regional Water Reclamation Facility is, and will continue to be, discharged to the Spokane River. The County’s current wastewater flow is approximately 8.6 million gallons per day (mgd). It is anticipated that the County’s total wastewater flow will be between 10.0 and 11.4 mgd in 2019, and between 11.6 and 18.0 mgd in 2033.

b. Ground:

1) Will ground water be withdrawn, or will water be discharged to ground water? Give general description, purpose, and approximate quantities if known.

Groundwater withdrawals are not anticipated except for temporary dewatering during construction. Discharges to groundwater will occur from on-site wastewater disposal systems.

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.

On-site wastewater disposal is currently being utilized by some residential, commercial, industrial, and institutional customers for domestic sewage. All facilities must conform
with the County’s regulations that address the handling, storage, use, and disposal of hazardous material and chemicals. The CWMP involves completion of specific capital improvement projects located within the County’s wastewater utility service area, many of which will yield a benefit of eliminating existing septic tanks over the Spokane-Rathdrum Aquifer.

c. Water runoff (including stormwater):
   1) Describe the source of runoff (including storm water) 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.
      N/A

   2) Could waste materials enter ground or surface waters? If so, generally describe.
      Only material during project construction periods are potential pollutants. Construction preventive and mitigation plans will be required for each project.

d. Proposed measures to reduce or control surface, ground, and runoff water impacts, if any:
      Measures will be developed on a project-by-project basis.

4. Plants
   a. Check or circle types of vegetation found on the site:
      X—deciduous tree: alder, maple, aspen, other
      X—evergreen tree: fir, cedar, pine, other
      X—shrubs
      X—grass
      X—pasture
      X—crop or grain
      X—wet soil plants: cattail, buttercup, bullrush, skunk cabbage, other
      X—water plants: water lily, eelgrass, milfoil, other
      X—other types of vegetation

      There is a wide range of vegetation in the service area, including that listed above.

b. What kind and amount of vegetation will be removed or altered?
      Will vary for each specific project; and, separate Environmental Checklists, with detailed environmental information, will be prepared for specific sewer construction projects, as required.

c. List threatened or endangered species known to be on or near the site.
      None known. Will be evaluated for each specific project; and, separate Environmental Checklists, with detailed environmental information, will be prepared for specific sewer construction projects, as required.

d. Proposed landscaping, use of native plants, or other measures to preserve or enhance vegetation on the site, if any:
      See 4.b.
5. Animals
   a. Circle any birds and animals which have been observed on or near the site or are known to be on or near the site:

   Due to the broad area covered by the CWMP, an animal inventory has not been conducted, but numerous varieties are known to exist. Separate Environmental Checklists, with detailed environmental information, will be prepared for specific sewer construction projects, as required.

   birds: hawk, heron, eagle, songbirds, other: 
mammals: deer, bear, elk, beaver, other: 
fish: bass, salmon, trout, herring, shellfish, other:

   b. List any threatened or endangered species known to be on or near the site.

   None known; see 5.a.

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

   None known; see 5.a.

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

   N/A

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.

   Electrical power will be required for pumping and treating wastewater.

   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:

   No specific features are noted in the CWMP. However, energy efficient pumps and equipment will be used wherever possible. Such decisions will be made in the course of the design of specific projects.

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.

   Any risks will primarily be related to construction activities for short periods. All applicable laws and requirements will be conditions of construction documents.

   1) Describe special emergency services that might be required.

   N/A.

   2) Proposed measures to reduce or control environmental health hazards, if any:
b. **Noise**

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

*The areas to be sewer are a combination of urban and suburban settings with residential and non-residential activities.*

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.

*Construction activities will increase noise levels on a temporary and intermittent basis during scheduled work hours. It is anticipated that these short-term noise levels would be consistent with levels associated with normal operations of construction equipment, and within hours and days allowed by County Regulations.*

3) Proposed measures to reduce or control noise impacts, if any:

*Construction equipment will have mufflers and exhaust equipment to conform to State and local regulations regarding construction noise. Additional specific measures will be developed for each project, as required.*

8. **Land and shoreline use**

a. What is the current use of the site and adjacent properties?

*The areas to be sewer are a combination of urban and suburban settings with residential and non-residential activities. Separate Environmental Checklists, with detailed usage information, will be prepared for specific sewer construction projects, as required.*

b. Has the site been used for agriculture? If so, describe.

*Some sites have had various agriculture activities on them. Separate Environmental Checklists, with detailed usage information, will be prepared for specific sewer construction projects, as required.*

c. Describe any structures on the site.

*None known.*

d. Will any structures be demolished? If so, what?

*None anticipated, but depends upon final site selection for new facilities (e.g., pump stations).*

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

*Residential, multi-family, commercial, industrial, and institutional zoning exist throughout the planning area. Separate Environmental Checklists, with detailed zoning information, will be prepared for specific sewer construction projects, as required.*

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

*Varied, similar to the above-mentioned zoning classifications.*

g. If applicable, what is the current shoreline master program designation of the site?

*Depends upon final selection of sites for new facilities.*
h. Has any part of the site been classified as an "environmentally sensitive" area? If so, specify.

Parts of the County's wastewater utility service area are designated as critical or sensitive area, as defined in the County's Critical Areas Ordinance.

i. Approximately how many people would reside or work in the completed project?

As presented in detail in Table 4-4 of the CWMP, the residential population served by the County’s wastewater system is expected to increase from an estimated 109,240 people in 2012, to a projected 140,430 people in 2033.

j. Approximately how many people would the completed project displace?

No displacement anticipated.

k. Proposed measures to avoid or reduce displacement impacts, if any:

N/A

l. Proposed measures to ensure the proposal is compatible with existing and projected land uses and plans, if any:

Sewer activities are planned and sized to support allowable land uses and densities. See item A.9 for discussion regarding the County's Comprehensive Plan and UGA boundary.

9. Housing

a. Approximately how many units would be provided, if any? Indicate whether high, middle, or low-income housing.

N/A

b. Approximately how many units, if any, would be eliminated? Indicate whether high, middle, or low-income housing.

N/A

c. Proposed measures to reduce or control housing impacts, if any:

N/A

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?

With the exception of pump stations and treatment facilities, all of the sewer projects will be at or below ground surface level. Separate Environmental Checklists, with detailed information, will be prepared for specific sewer construction projects, as required.

b. What views in the immediate vicinity would be altered or obstructed?

None known. Separate Environmental Checklists, with detailed information, will be prepared for specific sewer construction projects, as required.
c. Proposed measures to reduce or control aesthetic impacts, if any:

Aesthetic impacts, exteriors, and landscaping will all be considered during design of future facilities.

11. Light and glare
   a. What type of light or glare will the proposal produce? What time of day would it mainly occur?
      None known. Separate Environmental Checklists, with detailed information, will be prepared for specific sewer construction projects, as required.
   b. Could light or glare from the finished project be a safety hazard or interfere with views?
      None known. Separate Environmental Checklists, with detailed information, will be prepared for specific sewer construction projects, as required.
   c. What existing off-site sources of light or glare may affect your proposal?
      None known.
   d. Proposed measures to reduce or control light and glare impacts, if any:
      Impacts from light and glare will be considered during design of future facilities.

12. Recreation
   a. What designated and informal recreational opportunities are in the immediate vicinity?
      Various parks and recreation centers exist throughout the area.
   b. Would the proposed project displace any existing recreational uses? If so, describe.
      None known. Separate Environmental Checklists, with detailed information, will be prepared for specific sewer construction projects, as required.
   c. Proposed measures to reduce or control impacts on recreation, including recreation opportunities to be provided by the project or applicant, if any:
      Mitigation of impacts on recreation will be considered during design of future facilities.

13. Historic and cultural preservation
   a. Are there any places or objects listed on, or proposed for, national, state, or local preservation registers known to be on or next to the site? If so, generally describe.
      None known. Separate Environmental Checklists, with detailed information, will be prepared for specific sewer construction projects, as required.
   b. Generally describe any landmarks or evidence of historic, archaeological, scientific, or cultural importance known to be on or next to the site.
      None known. Separate Environmental Checklists, with detailed information, will be prepared for specific sewer construction projects, as required.
   c. Proposed measures to reduce or control impacts, if any:
      Mitigation of impacts on historic and cultural sites will be considered during design of future facilities.
14. Transportation
   a. Identify public streets and highways serving the site, and describe proposed access to the existing street system. Show on site plans, if any.

   Numerous streets and roads exist throughout the area. Separate Environmental Checklists, with detailed transportation information, will be prepared for specific sewer construction projects, as required.

   b. Is site currently served by public transit? If not, what is the approximate distance to the nearest transit stop?

      N/A

   c. How many parking spaces would the completed project have? How many would the project eliminate?

      With the exception of treatment facilities and some pump stations, none of the sewer projects will have a need for parking spaces. Treatment facilities and some pump station include a parking area for servicing of the facilities by County personnel. Separate Environmental Checklists, with detailed information, will be prepared for specific sewer construction projects, as required.

   d. Will the proposal require any new roads or streets, or improvements to existing roads or streets, not including driveways? If so, generally describe (indicate whether public or private).

      Resurfacing of existing roads and the installation of some new roads concurrent with sewer construction may occur. Separate Environmental Checklists, with detailed information, will be prepared for specific sewer construction projects, as required.

   e. Will the project use (or occur in the immediate vicinity of) water, rail, or air transportation? If so, generally describe.

      N/A

   f. How many vehicular trips per day would be generated by the completed project? If known, indicate when peak volumes would occur.

      A significant increase in vehicular trips is not anticipated. Visits to pump stations and treatment facilities for inspection and maintenance will be necessary. Vehicular traffic will increase temporarily during construction when construction workers drive to and from the construction sites.

   g. Proposed measures to reduce or control transportation impacts, if any:

      None are anticipated.

15. Public services
   a. Would the project result in an increased need for public services (for example: fire protection, police protection, health care, schools, other)? If so, generally describe.

      No. The sewer projects are being built to support land uses currently allowed.

   b. Proposed measures to reduce or control direct impacts on public services, if any.

      N/A
16. Utilities

a. Circle utilities currently available at the site: electricity, natural gas, water, refuse service, telephone, sanitary sewer, septic system, other.

Depends upon locations of future facilities.

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.

Depends upon the specific needs for each future facility.

C. SIGNATURE

The above answers are true and complete to the best of my knowledge. I understand that the lead agency is relying on them to make its decision.

Applicant: Spokane County Division of Utilities
1026 West Broadway Avenue
Spokane, WA 99260
(509) 477-7488

Signature: Eugene A. Repp, P.E., Project Manager

Date Submitted: ______________________

Person Completing Form: Jeff Hansen, P.E.
HDR Engineering, Inc.
606 Columbia Street NW, Suite 200
Olympia, WA 98501
October 23, 2014
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 the 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?

   The CWMP describes projected future increases in treated wastewater flows from the Riverside Park Water Reclamation Facility and the Spokane County Water Reclamation Facility.

   Proposed measures to avoid or reduce such increases are:

   Increases in sewer flows and treated wastewater discharges are, in part, associated with a reduction of the discharge of on-site wastewater from above the Spokane-Rathdrum Aquifer.

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

   The projects proposed in the CWMP are not anticipated to affect plants, animals, fish, or marine life. Measures for protection or conservation will be considered during project design.

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

   Design decisions and construction procedures will follow all proper procedures and practices to minimize impacts on plants, animals, fish, and marine life.

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

   Energy will be used to construct new facilities and operate equipment after facilities are constructed.

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

   Pumping and treatment plant equipment efficiencies will conform with regulatory requirements and industry standards.

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, floodplains, or prime farmlands?

   A result of implementation of the CWMP is enhanced protection of the Spokane-Rathdrum Aquifer by removing wastewater treated through on-site disposal techniques.

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

   N/A

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?

   This project is consistent with and supports existing land use policies and requirements.
Proposed measures to avoid or reduce shoreline and land use impacts are:
N/A

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

The CWMP responds to a projected increase in needs for wastewater service resulting from projected population growth in the service area. Increase in demands on public services and utilities resulting from growth will be determined by zoning, land use plans, and restrictions or needs. Wastewater service in itself will not increase the demand for public services.

Proposed measures to reduce or respond to such demand(s) are:
N/A

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

The CWMP is consistent with good management practices for water resources and does not conflict with current laws and regulations. The CWMP conforms with all laws and requirements for the protection of the environment.