

ENVIRONMENTAL ASSESSMENT CHECKLIST

Use the Discussion and References space at the end of each section to document your responses. For example, explain how you determined the level of impact and document the reasoning if checking PA (possible adverse) for any resource. Attach additional pages if necessary.

1. Brief project description, including identification of selected alternative:
2. Describe if the project will improve or maintain water quality, and if the project addresses a TMDL, and/or Watershed Management Plan.
3. Provide latitude and longitude of the proposed project (if a transmission / distribution / collection line identify the center point not the whole line):
4. Provide discharge information: N/A
5. Provide NPDES/PWSID number:
6. Provide primary waterbody name and waterbody ID, secondary name (if available), and State designated surface water use:

7. Did your analysis consider how this project impacts community planning efforts in other areas (i.e. transportation, housing, etc.)?

Y = Yes N = No PA = Possible Adverse

1. Physical Aspects - Topography, Geology and Soils

- Y ___ N ___ PA ___ a. Are there physical conditions (e.g., steep slopes, shrink-swells soils, etc.) that might be adversely affected by or might affect construction of the WWTF facilities?
- Y ___ N ___ PA ___ b. Are there similar limiting physical conditions in the planning area that might make development unsuitable?
- Y ___ N ___ PA ___ c. Are there any unusual or unique geological features that might be affected?
- Y ___ N ___ PA ___ d. Are there any hazardous areas (slides, faults, etc.) that might affect construction or development?

Discussion and References:

2. Climate

- Y ___ N ___ PA ___ a. Are there any unusual or special meteorological constraints in the planning area that might result in an air quality problem?
- Y ___ N ___ PA ___ b. Are there any unusual or special meteorological constraints in the planning area that might affect the feasibility of the proposed wastewater treatment alternative?

Discussion and References:

3. Population

- Y ___ N ___ PA ___ a. Are the proposed growth rates excessive (exceeding State projections, greater than 6% per annum for the 20 year planning period)?
- Y ___ N ___ PA ___ b. Will additional growth be induced or growth in new areas encouraged as a result of facilities construction?
- Y ___ N ___ PA ___ c. Will the facilities serve areas which are largely undeveloped areas at present?

Discussion and References:

4. Housing, Industrial and Commercial Development and Utilities

- Y ___ N ___ PA ___ a. Will existing homes or business be displaced as a result of construction of this property?
- Y ___ N ___ PA ___ b. Will new housing serviced by this facility affect existing facilities, transportation patterns, environmentally sensitive areas, or be in special hazard or danger zones?
- Y ___ N ___ PA ___ c. Will new housing create strains on other utilities and services - policies, power, water supply, schools, hospital care, etc.?

Discussion and References:

5. Economics and Social Profile

- Y ___ N ___ PA ___ a. Will certain landowners benefit substantially from the development of land due to interceptor routing or WWTP location and size?
- Y ___ N ___ PA ___ b. Will the facilities adversely affect land values?
- Y ___ N ___ PA ___ c. Are any poor or disadvantaged groups especially affected by this project?

Discussion and References:

6. Land Use

- Y ___ N ___ PA ___ a. Will projected growth defeat the purpose of local land use controls (if any)?
- Y ___ N ___ PA ___ b. Is the location of the WWTP or other facilities incompatible with local land use plans?
- Y ___ N ___ PA ___ c. Will inhabited areas be adversely impacted by the project site?
- Y ___ N ___ PA ___ d. Will new development have adverse effects on older existing land uses (agriculture, forest land, etc.)?
- Y ___ N ___ PA ___ e. Will this project contribute to changes in land use in association with recreation (skiing, parks, etc.), mining or other large industrial or energy developments?

Discussion and References:

7. Floodplain Development

- Y ___ N ___ PA ___ a. Does the planning area contain 100 year floodplains?
If yes -
- Y ___ N ___ PA ___ b. Will the project be constructed in a 100 year floodplain?
- Y ___ N ___ PA ___ c. Will the project serve direct or indirect development in a 100 year floodplain anywhere in the planning area?

Discussion and References:

8. Wetlands

- Y ___ N ___ PA ___ a. Does the planning area contain wetlands as defined by the U.S. Fish and Wildlife Service?
If yes -
- Y ___ N ___ PA ___ b. Will any major part of the treatment works be located on wetlands?
- Y ___ N ___ PA ___ c. Will the project serve growth and development which will directly or indirectly affect wetlands?

Discussion and References:

9. Wild and Scenic Rivers

- Y ___ N ___ PA ___ a. Does the planning area contain a designated or proposed wild and scenic river?
If yes -
- Y ___ N ___ PA ___ b. Will the project be constructed near the river?
- Y ___ N ___ PA ___ c. Will projected growth and development take place contiguous to or upstream from the river segment?
- Y ___ N ___ PA ___ d. Will the river segment be used for disposal of effluent?

Discussion and References:

10. Cultural Resources (Archeological/Historical)

- Y ___ N ___ PA ___ a. Are there any properties (historic, architectural, archeological) in the planning area which are listed on or eligible for listing on the National Register of Historic Places?
If yes -
- Y ___ N ___ PA ___ b. Will the project have direct or indirect adverse impacts on any listed or eligible property?

Discussion and References:

11. Flora and Fauna (including endangered species)

- Y ___ N ___ PA ___ a. Are there any designated threatened or endangered species or their habitat in the planning area?
- Y ___ N ___ PA ___ b. Will the project have direct or indirect adverse impacts on any such designated species?
- Y ___ N ___ PA ___ c. Will the project have direct or indirect adverse impacts on fish, wildlife or their habitat including migratory routes, wintering or calving areas?
- Y ___ N ___ PA ___ d. Does the planning area include a sensitive habitat area designed by a local, State or Federal wildlife agency?

Discussion and References:

12. Recreation and Open Space

- Y ___ N ___ PA ___ a. Will the project eliminate or modify recreational open space, parks or areas of recognized scenic or recreational value?
- Y ___ N ___ PA ___ b. Is it feasible to combine the project with parks, bicycle paths, hiking trails, waterway access and other recreational uses?

Discussion and References:

13. Agricultural Lands

- Y ___ N ___ PA ___ a. Does the planning area contain any environmentally significant agricultural lands (prime, unique, statewide importance, local importance, etc.) as defined in the EPA Policy to Protect Environmentally Significant Agricultural Lands dated September 8, 1978?
- Y ___ N ___ PA ___ b. Will the project directly or indirectly encourage the irreversible conversion of Environmentally Significant Agricultural Lands to uses which result in the loss of these lands as an environmental or essential food production resource?

Discussion and References:

14. Air Quality

- Y ___ N ___ PA ___ a. Are there any direct air emissions from the project (e.g., odor controls, sludge incinerator) which do not meet Federal and State emission standards contained in the State Air Quality Implementation Plan (SIP)?
- Y ___ N ___ PA ___ b. Is the project service area located in an area without an approved or conditionally approved SIP?
- Y ___ N ___ PA ___ c. Is the increased capacity of the project greater than 1 mgd?
- Y ___ N ___ PA ___ d. Do the population projections used in the facilities plan exceed the State or areawide projections in the SIP by more than 5%?
- Y ___ N ___ PA ___ e. Does the project conform with the requirements of the SIP? (See EPA regulations under Section 316 of the Clean Air Act.)
- Y ___ N ___ PA ___ f. Is the project inconsistent with the SIP of an adjoining State that may be impacted by the Project?
- Y ___ N ___ PA ___ g. Does the project violate national ambient Air Quality Standards in an attainment or unclassified area?
- Y ___ N ___ PA ___ h. Will the facilities create an odor nuisance problem?

Discussion and References:

15. Water Quality and Quantity (Surface/Groundwater)

- Y ___ N ___ PA ___ a. Are present stream classifications in the receiving stream being challenged as too low to protect present or recent uses?
- Y ___ N ___ PA ___ b. Is there a substantial risk that the proposed discharge will not meet existing stream standards or will not be of sufficient quality to protect present or recent stream uses?
- Y ___ N ___ PA ___ c. Will construction of the project and development to be served by the project result in non-point water quality problems (sedimentation, urban stormwater, etc.)?
- Y ___ N ___ PA ___ d. Will water rights be adversely affected by the project?
- Y ___ N ___ PA ___ e. Will the project cause a significant amount of water to be transferred from one sub-basin to another (relative to the 7-day, 10 year flow of the diverted basin)?
- Y ___ N ___ PA ___ f. Will stream habitat be affected as a result of the change in flow or stream bank modification?
- Y ___ N ___ PA ___ g. Are stream conditions needed for deciding upon the required limitations inadequately specified in the 208 Plan? If so, have the wasteload allocations calculations been performed and approved by the State and EPA?
- Y ___ N ___ PA ___ h. Is an Antidegradation Review required?
- Y ___ N ___ PA ___ i. Will the project adversely affect the quantity or quality of a groundwater resource?

- Y ___ N ___ PA ___ j. Does the project adversely affect an aquifer used as a potable drinking water supply?
- Y ___ N ___ PA ___ k. Are there additional cost effective water conservation measures that could be adopted by community to reduce sewage generation?

Discussion and References:

16. Public Health

- Y ___ N ___ PA ___ a. Will there be adverse direct or indirect noise impacts from the project?
- Y ___ N ___ PA ___ b. Will there be a vector problem (e.g., mosquito) from the project?
- Y ___ N ___ PA ___ c. Will there be any unique public health problems as a result of the project (e.g., increased disease risks)?

Discussion and References:

17. Solid Waste (Sludge Management)

- Y ___ N ___ PA ___ a. Will sludge disposal occur in an area with inadequate sanitary landfills or on land unsuitable for land application?
- Y ___ N ___ PA ___ b. Are there special problems with the sludge that makes disposal difficult (hazardous, difficult to treat)?
- Y ___ N ___ PA ___ c. Is the technology selected for sludge disposal controversial?

Discussion and References:

18. Energy

- Y ___ N ___ PA ___ a. Are there additional cost effective measures to reduce energy consumption or increase energy recovery which could be included in this project?

Discussion and References:

19. Land Application

- Y ___ N ___ PA ___ a. Has a new or unproven technique been selected?
- Y ___ N ___ PA ___ b. Is there considerable public controversy about the project?

- Y ___ N ___ PA ___ c. Will the project require additional water rights or impact existing water Rights?
- Y ___ N ___ PA ___ d. Is the project multi-purpose?

Discussion and References:

20. Regionalization

- Y ___ N ___ PA ___ a. Are there jurisdictional disputes or controversy over the project?
- Y ___ N ___ PA ___ b. Is conformance with the 208 plan in question?
- Y ___ N ___ PA ___ c. Is the proliferation of small treatment plants and septic systems creating a significant health problem?
- Y ___ N ___ PA ___ d. Have inter-jurisdictional agreements been signed?

Discussion and References:

21. Public Participation

- Y ___ N ___ PA ___ a. Is there a substantial level of public controversy?
- Y ___ N ___ PA ___ b. Is there adequate evidence of public participation in the project?

Discussion and References:

22. Environmental Laws

- Y ___ N ___ PA ___ a. Does the project threaten to violate any State, Federal or local law or requirement imposed to protect the environment?

Discussion and References:

Prepared By: _____
Name, Title, and Affiliation

Date: _____

Reviewed By (WQCD): _____
Name and Title

Date: _____

Environmental Determination: (Circle One) CE EA EIS