# Environmental Information Document And Supporting Documentation

#### The environmental review process must be completed before beginning construction.

EPA needs the following information to process your grant request. To save time, please do the following:

- Answer every question,
- Include all supporting documentation
- Provide well-researched answers,
- Use "Not Applicable" for questions rather than leave an answer blank

**Please Note**: The most common cause of delay with these projects is incomplete documentation pertaining to Items 9a (Historic Properties) and 9b (Threatened and Endangered Species) in this document.

TO ASSIST IN THE ENVIRONMENTAL REVIEW OF REQUESTED INFORMATION, A HELPFUL RESOURCE IS EPA'S NEPASSIST TOOL

https://www.epa.gov/nepa/nepassist

Return completed document and supporting documentation to:

# 1. Project Title and Description

Describe each project component or subproject. Note if components are new, replacements, or rehabilitations, if applicable. Provide size of construction site footprint, length of right(s)-of-way, specific volumes/capacities. Indicate if the project or components are still in the early phases or design and if specific details are not yet available. Note project phases (if applicable).

# 2. Project Sponsor/Local Sponsor (Contact Name, Address, Phone, Email)

# 3. Project Location Description and Project Plans

Provide location descriptions for each project component or subproject. Provide Street address or nearest intersection. Note if located at a new or existing site. Note if located within existing, adjacent to existing

or new right(s) of way. Note any previous site disturbances or current usage. Note existing land cover/vegetation. Provide site coordinates.

In addition, include the following information, as applicable:

- □ <u>Map(s)</u> showing existing structures, potential location(s) of new or upgraded structure(s), area(s) that will be disturbed by the project, including construction staging area(s). Provide a scale bar, north arrow, legend, and Township, Range, and Section of the site location on each map.
- □ <u>Label and describe</u> existing land type(s)/land use(s) showing potentially-impacted environment(s) and site feature(s) (e.g., public/private property, developed or landscaped areas, roads, historic properties, wetlands, forested areas, rivers, streams, 100-year floodplain, prime farmland, wild and scenic rivers, protected areas, above and below ground utilities, U.S. EPA designated sole source aquifer areas, etc).
- Digital photographs of unique features (e.g., wetlands, vegetation, historic properties, etc.). On the map include position of photographer for each picture. Label each photo to indicate direction of view.

## 4a. Project Need

What need does the project address?

Will this project resolve a local problem or emergency?

Is this project being pursued in response to a compliance order?

# 4b. Alternatives

Have other alternatives to resolve the problem been considered?

Briefly describe alternatives including the "no action" alternative and reason(s) for selecting the proposed alternative.

## 4c. Project Funding

Will this project be funded by other state or federal agencies?

If environmental reviews are required by these other agencies, have they been started?

Briefly describe additional funding sources and applicable environmental reviews.

## 5a. Construction Timing

Has project construction begun?

If yes, describe activities and percent of project completed. Please provide a construction schedule.

# 5b. Project Phases

Is the proposed project a new project?

Is the proposed project part of a larger project?

If the proposed project is one phase of a larger project, describe duration and purpose of larger project.

# 6. Project Magnitude Data

#### 6a. Population Data

*Current population of the entire community:* 

Expected population of the community 20 years from now:

Will the proposed project service the entire population increase?

If not, discuss what measures might be necessary at a later date to accommodate the expected increase in population.

#### 6b. Footprint of New Construction

Does the project entail build on a new footprint?

*Will the project involve only functional replacement of equipment or construction of new ancillary facilities adjacent to existing facilities?* 

If yes, describe modifications to existing facility.

#### 6c. Area of Affect

Total project acreage to be disturbed (and/or linear feet of pipeline to be lain):

Number of residential units affected:

Commercial, industrial or institutional buildings affected (total sq. ft.):

# 7. Land Cover Types

Estimate the project site acreage of each of the following land types before and after project construction:

Land Types	<b>Project Site Acreage</b>	<b>Project Site Acreage</b>
	(BEFORE)	(AFTER)
<u>Floodplains</u>		
Wetlands		
Wooded/Forest		
Brush/Grassland		
Cropland/Farmland		
Lawn/Landscaping		
Impervious surfaces		
Other (describe)		
TOTAL		

If Before and After totals are different, explain why.

## 8. Permits

List below any permits that will be needed to implement the project.

Next to each permit, indicate if the applicable permit has been secured and list contact name and telephone number for each permitting agency.

Check with local, state, and federal agencies to determine necessary permits.

Local:

State:

Federal:

## 9. Impacts to Human and Natural Resources

Please consider long-term and short-term impacts when answering <u>Questions 9a - 9k</u>.

- Long-term impacts could be, but are not limited to, land type or land use conversion, etc.
- Short-term impacts could be, but are not limited to, surface water runoff, construction noise, erosion, sedimentation, temporary loss of vegetative cover, wildlife disturbance, construction-associated vibration, air pollution, etc.

#### 9a. Historic Properties

Have you initiated the process with the State Historic Preservation Office (SHPO)?

If not, we recommend following through with this step as soon as possible. NOTE: EPA will need to designate the grant recipient as its non-federal representative for the Section 106 consultation for the Project. As part of the Section 106 consultation, were Tribal notifications letters sent? See HUD's Tribal Directory Assessment Tool (<u>https://egis.hud.gov/TDAT/</u>) for list of Tribes with potential interest in the project location.

# Will the project have the potential to affect resources listed in or eligible for listing in the National Register of Historic Places?

If the project has the potential to affect historic properties, provide the following:

- digital photographs of each historic property, identify and label each resource(s) on a map that shows the proposed project and the proposed Area of Potential Effect.
- describe potential impacts (e.g., removal, noise, visual, etc.).
- describe any measures that have been taken to first avoid and then minimize impacts.
- describe the proposed compensation measures that will be taken for any unavoidable impacts.

If you have determined that historic properties will not be impacted, explain how this conclusion was reached.

#### Has SHPO concurrence been received?

Include a copy of all correspondence.

#### 9b. Threatened, Endangered and/or Sensitive Species

To obtain information regarding the existence of Federally- and state-listed species or critical habitat within the proposed project area, follow the directions below to access the U.S. Fish and Wildlife Service (USFWS) website <u>and</u> the applicable state wildlife agencies website where your project is located.

Provide the following:

- website search results,
- communication with state wildlife agencies, and
- digital photographs of the project area and adjacent natural habitat (e.g., vegetated area or waterbody outside of, but adjacent to or near, the project area) should be included with this Document. Digital photographs should be labeled, and the project map should be marked with the position of the photographer for each picture.
- measures taken to first avoid or minimize adverse impacts. Describe any best management practices to be used during project construction (e.g., seasonal construction restrictions).

# Federally-listed species information can be obtained through the USFWS's Information for Planning and Consultation (IPaC) at <u>https://ipac.ecosphere.fws.gov/</u>

Submit the IPaC species list. Following review of this information, EPA will make a determination regarding the likelihood of effect and whether additional documentation and consultation with USFWS is necessary. EPA may also designate the grant recipient as its non-Federal representative to conduct informal consultation or to prepare a biological assessment.

#### Other Helpful Resources:

• NOAA Fisheries Essential Fish Habitat Mapper, <u>https://www.habitat.noaa.gov/apps/efhmapper/</u>

• NOAA Fisheries ESA Threatened and Endangered Species Directory, https://www.fisheries.noaa.gov/species-directory/threatened-endangered

#### 9c. Recreation

Will the project impact designated parks, recreation areas or trails?

If yes, indicate how these resources will be impacted and mitigation measures which could be taken to reduce impact. Include digital photographs of these resources, if present.

#### 9d. Farmlands

*Will the project impact prime or unique farmlands or land within an agricultural preserve as defined by the Department of Agriculture Natural Resources Conservation Service?* 

If yes, indicate which parcels will be impacted. Include a completed version of NRCS Form AD-1006.

Helpful Resource:

• USDA NRCS Web Soil Survey Mapper, https://websoilsurvey.sc.egov.usda.gov/App/WebSoilSurvey.aspx

#### 9e. Visual Impacts

Will the project impact scenic views or vistas during construction or operation?

If yes, indicate which scenic views or vistas will be impacted. Include digital photographs of these resources, if present.

Will the project create adverse visual impacts during construction or operation (e.g., glare from intense lights, lights visible in wilderness areas, large visible plumes from cooling towers or exhaust stacks, etc.)?

If yes, describe the source, duration, quantity, etc. and minimization and/or mitigation measures which could be taken.

#### 9f. Habitat

Will the project impact vegetation within the project area?

If yes, describe type of habitat, acreage, type and size (e.g., diameter breast height) of trees, shrubs, etc. that will be impacted. Include digital photographs of any impacted vegetation.

#### Will impacted vegetation be replanted?

Indicate which species will be used to mitigate impacts to vegetation. We strongly suggest the use of native species. Discuss maintenance protocols and measures of success which will be employed to ensure successful mitigation.

*Will the project have the potential to affect animal species (e.g., common mammals, birds, amphibians) other than threatened, endangered or sensitive species?* 

If any of these animal species will be impacted, identify the species and how they could be impacted by the project.

#### 9g. Relocations

Will people or businesses be relocated as a result of this project?

If yes, describe the extent and nature of the relocations. Many relocation-related impacts and activities are covered by the Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970 (as amended) and would apply to any project utilizing federal grants.

Have members of the community expressed concern about relocations?

If yes, describe how these concerns will be resolved.

#### 9h. Public Feedback

*Will the project result in positive or negative changes in local perceptions of health or safety, economic development or project costs?* 

Has the community expressed concern about any aspect of the project?

*If yes, how were those concerns expressed (e.g., editorials, public meetings, other state agency's environmental documents, etc.)?* 

If yes to either of the above questions, explain plans and changes and describe measures to minimize or avoid adverse impacts.

#### 9i. Service Rates

Will the project cause an increase in residents' monthly service rates?

If yes, provide an estimate of average current rate and increase (in \$) which includes annual operation and management costs, etc.

#### 9j. Infrastructure and Public Services

*Will new or expanded utilities, roads, other infrastructure or public services be required to serve the project?* 

If yes, describe additional services needed, expected impacts, and possible mitigation.

## 9k. Construction Disturbance

Will the project generate odors, dust, noise or vibrations during construction or during operation?

Will the project generate silt or stormwater runoff changes during construction or during operation?

If yes, describe source(s), characteristics, duration, and any proposed measures to mitigate adverse impacts, including best management practices. Also identify locations of nearby sensitive receptors (e.g., hospital, school, etc.) and estimate impacts on them. Discuss potential impacts on human health or quality of life.

## 10. Physical Impacts to Aquatic Resources

Please consider the project's long-term and short-term impacts on aquatic resources (e.g., waterbodies or wetlands) when answering <u>Questions 10a - 10e</u>.

- Long-term impacts could be dredging, filling, vegetation cutting/removal, stream diversion, placement of outfall structure, diking, and impoundment, etc.
- Short-term impacts could be surface water runoff, erosion, sedimentation, temporary loss of vegetative cover, wildlife disturbance, etc.

#### 10a.Surface Water Impacts

Any surface waters present (e.g., a lake, pond, stream or drainage ditch)?

Identify the State's "designated use" for each waterbody and identify whether each waterbody is meeting its designated use. If not, what are the reasons the impaired waterbody is not meeting its designated use.

## 10b. Wetland Direct Impacts

Any wetlands present in the project area?

If your project area is not completely covered by impervious surface, or there is uncertainty regarding whether wetlands exist, please review the National Wetland Inventory and consult with the appropriate wetland personnel (e.g., Army Corps of Engineers and/or appropriate state agency).

If this information is inconclusive, a consultant may need to complete a wetland determination. Forward all information (e.g., telephone conversations, digital photographs, applicable section of National Wetland Inventory, etc.) to our office for review.

If wetlands will be filled or dredged, attach a wetland delineation report.

If you answered yes to 10a or 10b, please identify the water or wetland resource and how it will be affected. Also, describe measures taken to avoid, minimize, and mitigate negative impacts.

#### Helpful Resource:

• USFWS Wetland Mapper, <u>https://www.fws.gov/program/national-wetlands-inventory/wetlands-mapper</u>

## 10c. Indirect Impacts

*Will any surface waters or wetlands be impacted via surface water runoff, construction or maintenance activities, other pollutants, etc.*?

If yes, identify the water or wetland resource and how it will be affected. Also, describe alternatives considered and measures taken to avoid, minimize or mitigate negative impacts.

## 10d. Potential Stormwater Runoff Impacts

In order to assess stormwater runoff impacts, give the acreage to be graded or excavated and the cubic yards of soil to be moved:

- acres:
- cubic yards:

Describe the following:

- any steep slopes or highly erodible soil types and identify them on the site map,
- any erosion and sedimentation best management practices to be used during and after project construction to prevent runoff impacting receiving waters,
- permanent controls to manage or treat runoff, and
- any stormwater pollution prevention plans in place in the project area.

## 10e. Wellhead Protection Area Impacts

Any wellhead protection areas located in project area?

# 11. Water-related Special Feature

## 11a. Special Surface Water Feature Impacts

Does any part of the project involve a Coastal Zone Management area, a delineated 100-year flood plain, or a state or federally designated wild or scenic river segment?

#### If yes, has the appropriate permit been obtained?

#### Helpful Resources:

- Coastal Zone Management Programs, <u>https://coast.noaa.gov/czm/mystate/</u>
- Coastal Barrier Resources Mapper, <u>https://www.fws.gov/program/coastal-barrier-resources-act/maps-and-data</u>
- Wild and Scenic River Mapper, <u>https://www.rivers.gov/river-app/index.html</u>

#### 11b. Sole Source Aquifer Impacts

Is the project located within a U.S. EPA designated sole source aquifer?

If yes, describe potential impacts to the aquifer resulting from construction and/or operation of the project.

#### 12. Drinking Water Infrastructure

(Complete this section only if your project is related to drinking water infrastructure)

Capacity of existing treatment facility:

Capacity of proposed treatment facility:

Number of existing users: (residential, commercial, industrial, institutional)

Number of proposed users after project is implemented: (residential, commercial, industrial, institutional)

#### 12a. Water Well Impacts

Will the project involve installation of any water wells?

If yes, are other private water wells located in the area?

If yes, have the appropriate construction and use permits been obtained from the state agency?

Provide the location of existing and a new well(s) on a map, depth to groundwater, duration and quantity of water to be extracted, and potential affects to the public water supply.

#### 12b. Well Abandonment

Will any existing water well(s) be abandoned? Yes or No

If yes, discuss best management practices used to abandon an existing well(s).

#### 12c. Public Water Supplies

*Will the project include withdrawals from or changes to any public water supply or ground or surface water?* 

Name the drinking water source(s) (e.g., river, wells, reservoir, etc.).

#### 12d. Water Withdrawal Reporting

Reporting annual amounts of water withdrawn from a lake or river to state agencies?

If so, which agency will receive the report?

#### 12e. Water Use Efficiency

Will management tools and/or ordinances be used to increase water efficiency?

If yes, describe which tools will be used.

## 13. Sanitary Wastewater Infrastructure

(Complete this section only if your project is related to sanitary wastewater infrastructure)

Capacity of existing treatment facility:

Capacity of proposed treatment facility:

Number of existing users: (residential, commercial, industrial, institutional)

Number of proposed users after project is implemented: (residential, commercial, industrial, institutional)

Will the proposed action take place in a sewered community?

#### 13a. Sanitary Wastewater Composition

Quantify all sanitary, storm, municipal and industrial wastewater. Describe composition of all sources of municipal and industrial wastewater to be treated at the facility. Describe any significant industrial sources.

#### 13b. Wastewater Treatment Methods

Describe existing wastewater treatment methods and upgrades that would be part of the proposed project.

#### 13c. Effluent Discharge Points

Identify receiving waters, including major downstream water bodies.

Will the action result in the creation of a new discharge to surface or ground waters?

*Will the action result in the relocation of existing discharge to surface or ground waters?* If yes, indicate location of new discharge on project map.

*Will the action result in an increase in the volume of discharge to receiving waters?* If yes, indicate increase in volume of discharge.

*Will the action result in a change in the concentration of pollutants to receiving waters?* If yes, indicate which pollutant load(s) is expected to increase.

#### 13d. Combined Sewer Overflow Plans

*Is the proposed project part of a long-term control plan or other combined sewer overflow (CSO) control plan?* 

If yes, has the State approved/certified the control plan or issued an enforcement document (e.g., NPDES permit, administrative order or consent decree which includes a schedule for implementation of the approved CSO plan)?

#### 13e. Sludge Disposal

Describe the type and amounts of sludge. Identify method and location of disposal.

#### 13f. Water Use Efficiency

Will management tools and/or ordinances be used to increase water efficiency?

If yes, describe which tools will be used.

# 14. Solid and Hazardous Wastes and Storage Tanks

## 14a. Construction/Demolition Waste

Describe types, amounts, and compositions of solid, special or hazardous wastes, including waste produced during construction/demolition. Identify method and location of disposal. Discuss the disposal of environmentally sensitive materials (e.g., water towers covered in lead paint, asbestos, PCBs, etc.).

## 14b. Groundwater Protection Measures

Identify any toxic or hazardous materials to be used or present at the site and identify measures to be used to prevent groundwater contamination.

#### 14c. Storage Tanks

Indicate the number, location, size, and use of any above- or below-ground tanks to store petroleum products or other materials, except water, to be installed as part of the proposed project.

If yes, has the appropriate permit been obtained for underground tanks?

#### 14d. Previous Contamination

Identify any potential environmental hazards located on the site due to past site uses (e.g., soil contamination or proximity to nearby hazardous liquid or gas pipelines). If the proposed project extends outside existing facility footprint, determine if known Superfund sites are located near the proposed project and list them here.

# 15. Soils and Geologic Conditions

#### 15a. Soil Types

Describe the project area's soil types and provide a mapping of them, giving NRCS classifications, if known. Discuss soil granularity and potential for groundwater contamination from wastes or chemicals spread or spilled onto the soils. Assess the potential for contamination of drinking water wells from such contamination. Discuss any measures to prevent such contamination.

#### 15b. Special Geologic Features

Describe any of the following geologic site hazards to groundwater and also identify them on the site map: sinkholes, shallow limestone formations, karst conditions, cave systems or earthquake prone areas. Describe measures to avoid or minimize environmental problems due to any of these geologic features.

## 16. Traffic

*Will construction of this project involve rerouting or controlling traffic?* If yes, describe traffic changes and how long traffic will be disrupted.

# 17. Air Quality

## 17a. Air Quality of Project Area

*Is the project in a maintenance or non-attainment area for any priority air pollutant (e.g., 8-hr. Ozone, PM 2.5, etc.) under the federal Clean Air Act?* 

If yes, describe the impact the project will have on ambient air quality.

#### 17b.Construction-related Air Emission

Estimate the project's effect on air quality during construction. Discuss the effect of construction equipment and possible mitigation involving that equipment.

#### 17c. Stationary Source Air Emissions

Describe the type, sources, quantities, and compositions of any emissions from stationary sources of air emissions (e.g., boilers, exhaust stacks or fugitive dust sources). Include any hazardous air pollutants

and any ozone-depleting chemicals. Describe any proposed pollution prevention techniques and proposed air pollution control devices. Describe the impacts to air quality.

#### 17d. Project Resiliency

Describe any effects of extreme weather events on the proposed action and its environmental impacts, such as susceptibility to, or inability to cope with, adverse effects of variability of extremes and natural hazards. Describe, as applicable, any incorporation of resilient measures, such as floodwater pumping systems, elevated walls for treatment tanks, elevating structures, etc., and the implementation of energy efficiency measures to reduce excess power consumption and/or the use of low-carbon energy.

# 18. Materials Recycling and Voluntary Measure

*Will the project generate materials which can be recycled (e.g., construction and demolition materials, hazardous waste)?* 

#### If yes, which materials will be recycled?

EPA has reference information concerning materials recycling and green building initiatives, contact EPA for this information.

# 19. Land Use

#### 19a. Project Area Land

Describe current and recent past land use and development on the site and on adjacent lands. Discuss project compatibility with adjacent and nearby land uses.

## 19b. Land Use Plans

Does an adopted land use plan/economic development plan or zoning ordinances exist for the project area? If yes, include a copy with this Document.

If yes, include a copy with this Document.

*Is the proposed project consistent with the adopted land use plan?* If not, describe how any conflicts will be resolved.

## 19c. Neighborhood Continuity

Will the project result in changes in established links between neighborhoods?

Will the project result in changes in family networks, business networks or other social networks?

If yes to any of the above questions, describe measures to minimize or avoid adverse impacts.

# 20. Other Potential Impacts

If the project may cause any adverse impacts not addressed by Items 1 through 19, identify and discuss them here, along with any proposed mitigation.

# 21. Cumulative Impacts

Considering resources that your project will impact, identify any past, present or reasonably foreseeable future projects which impact these same resources. This answer will provide important contextual information.

# 22. Federal Compliance Determinations

Record below the compliance or conformance determinations for each statute and executive order. Provide credible, traceable, and supportive source documentation for each authority. Where applicable, complete the necessary reviews or consultations and obtain or note applicable permits of approvals. Clearly note citations, dates/names/titles of contacts, and page references. Attach additional documentation as appropriate.

Federal Crosscutting Authority [List of Statutes and	Are formal compliance steps or mitigation required?		Compliance determinations
Executive Orders]	No	Yes	
Endangered Species			
Act of 1973 (16			
U.S.C. §§ 1531-			
1543)			
Bald and Golden			
Eagle Protection			
Act (16 U.S.C. §§			
668-668c)			
Fish and Wildlife			
Coordination Act			
(16 U.S.C. §§ 661			
et seq)			
Marine Mammal			
Protection Act (16			
U.S.C. §§ 1361-			
1407)			
National Historic			
Preservation Act as			
amended (54 U.S.C.			
§§ 300101 et seq)			

Federal	Are formal		
Crosscutting	compliance steps or		<b>Compliance determinations</b>
Authority	mitigation		
[List of Statutes and	required?		
Executive Orders]	No	Yes	
Archeological and			
Historic			
Preservation Act, as			
amended (54 U.S.C.			
§§ 312501-312508)			
Archaeological			
Resources			
Protection Act (16			
U.S.C. §§ 470aa-			
mm)			
Native American			
Graves Protection			
and Repatriation			
Act (25 U.S.C. §§			
3001et seq)			
Clean Water Act			
Sections 401 and			
404 (33 U.S.C. §§			
1341 and 1344)			
Rivers and Harbors			
Act Section 10 (33			
U.S.C. § 403			
Protection of			
Wetlands Executive			
Order 11990			
(1977), as amended			
by Executive Order			
12608 (1997)			
Floodplain			
Management			
Executive Order			
11988 (1977), as			
amended by			
Executive Order			
12148 (1979)			
Safe Drinking			
Water Act (42			
U.S.C. §§ 300f–			
300j-26)			
Farmland			
Protection Policy			
Act (7 U.S.C. §§			
4201-4209)			

Federal Crosscutting Authority [List of Statutes and	Are formal compliance steps or mitigation required?		<b>Compliance determinations</b>	
Executive Orders]	No	Yes		
Coastal Zone				
Management Act				
(16 U.S.C. §§				
1451–1466)				
Coastal Barriers				
Resources Act (16				
U.S.C. §§ 3501–				
3510)				
Wild and Scenic				
Rivers Act (16				
U.S.C. §§ 1271–				
1287)				
Magnuson-Stevens				
Fishery				
Conservation and				
Management Act				
(16 U.S.C. §§				
1801–1891)				
Migratory Bird				
Treaty Act (16				
U.S.C. §§ 703-712)				
Clean Air Act (42				
U.S.C. § 7506(c))				
Wilderness Act (16				
U.S.C. §§ 1131 et				
seq.)				