

DPA R91 – Existing Environmental and Engineering Conditions Overview

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Environmental Conditions

NEPA impacts on your project will depend on your plan. For this specific DPA, the following should be considered. This list is not meant to be exhaustive, but suggestive.

Please note that links were current as of the date of public posting of this document but may have changed.

Section 106 Resources

- The California Trail, Oregon Trail, and Pony Express Trail intersect the DPA
- There are multiple National Register of Historic Places resources within the DPA
- 4 Tribes have interest in Fillmore, Jefferson, Saline, and Thayer Counties
 - o Apache Tribe of Oklahoma
 - o Cheyenne and Arapaho Tribes, Oklahoma
 - o Otoe-Missouria Tribe of Indians, Oklahoma
 - o Pawnee Nation of Oklahoma

Biological Resources

- Federally Listed Species Range
 - o Little Brown Bat – Under Review
 - o Monarch Butterfly – Proposed Threatened
 - o Northern Long-Eared Bat – Endangered
 - o Piping Plover – Threatened
 - o Regal Fritillary – Proposed Threatened
- State Listed Species Range
 - o Northern Long-Eared Bat – Endangered
 - o Timber Rattlesnake – Threatened
 - o Western Massasauga – Threatened
 - o Whooping Crane – Endangered
- **No** critical habitat identified

Wetlands

- Yes

Floodplain

- There are multiple flood hazard zones in the DPA
 - o Zone A (1% Annual Chance Flood Hazard)
 - o Zone AE (1% Annual Chance Flood Hazard)
 - o Zone AE (Regulatory Floodway)
 - o Zone X (0.2% Annual Chance Flood Hazard)
 - o Zone X (Area with Reduced Risk Due to Levee)

Prime Farmland

- Yes

Hazardous Materials

- There are multiple regulated facilities within the DPA

Environmental Justice

- There are environmental justice populations within the DPA
 - o Low Income Populations
 - o Limited English-Speaking Populations

Water Resources

- School Creek is **not** a 303d water body
 - o Impaired for aquatic life, caused by nutrients, pesticides, ph acidity caustic conditions, cause unknown impaired biota
 - o Impaired for recreation use, caused by pathogens
- Little Blue River is a 303d water body
 - o Impaired for aquatic life, caused by mercury, metals other than mercury, pesticides
 - o Impaired for drinking water use, caused by metals other than mercury
 - o Impaired for recreation use, caused by pathogens
- Rock Creek is **not** a 303d water body
 - o Impaired for recreation use, caused by pathogens
- Crystal Springs East Lake is a 303d water body
 - o Impaired for aquatic life, caused by algal growth, nutrients
 - o Impaired for recreation use, caused by pathogens
- Big Sandy Creek is **not** a 303d water body
 - o Impaired for recreation use, caused by pathogens
- Alexandria Lake No. 1 & 2 is a 303d water body
 - o Impaired for aquatic life, caused by ph acidity caustic conditions
- Alexandria Lake No. 3 is a 303d water body
 - o Impaired for aquatic life, caused by algal growth, nutrients, ph acidity caustic conditions
 - o Impaired for recreation use, caused by algal growth
- Swan Creek Lake (5A) is a 303d water body
 - o Impaired for aquatic life, caused by algal growth, mercury, nutrients, ph acidity caustic conditions
- The DPA has eight Wellhead Protection Areas
 - o Village of Western (NE3115107)
 - o Village of Daykin (NE3109506)
 - o Village of Alexandria (NE3116910)
 - o Village of Jansen (NE3109509)
 - o City of Fairbury (NE3109507)
 - o Rock Creek Station SHP – NG & PC (NE3120833)
 - o Village of Endicott (NE3109508)
 - o Village of Steel City (NE3109502)

Classified Lands

- There are seven NGPC properties within the DPA
 - o Alexandria WMA
 - o Alexandria SRA
 - o Meridian WMA
 - o Flathead WMA
 - o Rock Glen WMA
 - o Rock Creek Station SHP
 - o Rock Creek Station SRA
- There is one National Levee Database area within the DPA
 - o Fairbury, NE
- There is one Federal Real Property within the DPA

Agencies that will be required

- Nebraska SHPO (Deputy SHPO, Michael Sothan)
 - o hn.hp@nebraska.gov
 - o Approximate 30-day review period
 - May require cultural/historical surveys
- US Fish and Wildlife (Region 6)
 - o Nebraskaes@fws.gov
 - o Approximate 30-day review period
 - May require completion of BA package
- US Army Corps of Engineers (Omaha District)
 - o ne404reg@usace.army.mil
 - o Approximate 30-day response time
- US Department of Agriculture Natural Resources Conservation Service (Assistant State Soil Scientist, Elizabeth Gray)
 - o elizabeth.gray@usda.gov
- Nebraska Game and Parks Commission
- Nebraska Department of Environment and Energy
 - o NDEE.Assistance@nebraska.gov
- Nebraska Department of Natural Resources (Environmental Specialist, John Miller)
 - o john.j.miller@nebraska.gov

Engineering Conditions

County

- Jefferson
- Saline
- Thayer

City/Village

- Endicott
- Fairbury
- Gilead
- Steel City

Highways

- Highway 8: NDOT Permit Required
- Highway 15: NDOT Permit Required
- Highway 136: NDOT Permit Required

Railroads

- Union Pacific

Levees and Dams

- Fairbury NE

Pipelines

- Amarillo
- Market Area
- Keystone
- REX

Agencies that will be required

- Jefferson County
- Saline County
- Thayer County
- Village of Endicott
- City of Fairbury
- Village of Gilead
- Village of Steel City
- NDOT District 4 (Permitting Officer, Kevin Christenson)
 - kevin.christenson@nebraska.gov
- Union Pacific Railroad
- Amarillo Pipeline
 - Natural Gas Pipeline Co. of America (KMI)
- Market Area Pipeline
 - Northern Natural Gas Co.
- Keystone Pipeline
 - South Bow Infrastructure Operations Inc.
- REX Pipeline
 - Rockies Express Pipeline LLC