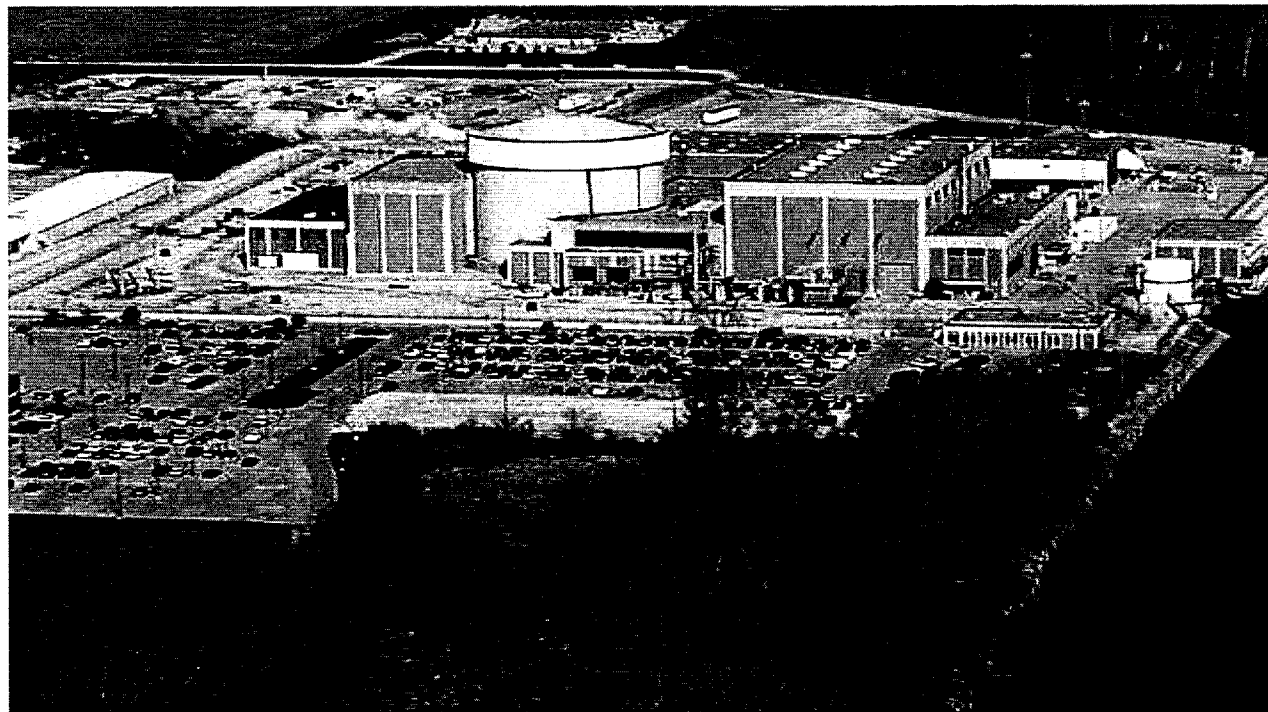




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**OPPD Fort Calhoun Station
License Renewal Environmental Review
NRC Site Audit
June 18 - 20**



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Briefing Objectives

- Introductions and logistics
- Brief overview of NRC Site Audit agenda
- Provide overview of the Fort Calhoun Station
- Provide overview of the Fort Calhoun Environmental review





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Fort Calhoun Station

- Licensed 1973
- Site consists of ~660 acres, 135 acres developed and ~345 acres used for cropland
- Cooling water source: Missouri River (RM 646). Shoreline intake and discharge
- City of Blair Municipal Water Supply used for potable water and service water
- Associated transmission lines include a 345-kV regional interconnection and three 161-kV lines.
- Two onsite streams: Fish Creek and Long Creek
- Sanitary Lagoons with center pivot land application



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Fort Calhoun Station (cont'd)

- Union Pacific railroad spur built in 1994 to service Cargill Facility
- HWY 75 main access to site (LOS "B")
- Region demography meets NRC criteria for a high population area
- ~630 employees and ~140 contractors
- Majority of employees reside in Washington, Douglas, and Sarpy Counties
- Limited groundwater use for maintenance of Sanitary Lagoons and occasional flushing of center-pivot irrigation system



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Regional Features

- Desoto Township
- Desoto and Boyer Chute Wildlife Refuges
- Fort Atkinson State Park
- Cargill Facility
- Portions of the Winnebago and Omaha Reservations within 50-mile radius of the site
- Offut Air Force Base south of Omaha

Category 2 Issues:

(Issues applicable to FCS)

- **Entrainment of fish and shellfish in early life stages**
- **Impingement of fish and shellfish**
- **Heat Shock**
- **Threatened or endangered species**
- **Microbial organisms - i.e. public health effects from thermophilic organisms in receiving water body of plants using cooling pond, lakes or canals, or discharges to a small river**



License Renewal Environmental Review

Category 2 Issues:

(Issues applicable to FCS)

- **Electromagnetic fields, acute effects - i.e. electric shock**
- **Housing**
- **Public services: public utilities**
- **Offsite land use (license renewal term)**
- **Public services: transportation**
- **Historic and archeological resources**
- **Severe accident mitigation alternatives**



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New & Significant Information Review

- Process
 - Used Qualified Review Team
 - Extensive record/literature review
 - Interviews with plant staff and corporate staff with significant corporate memory
 - Interface with regulatory agencies, local interest groups, and Tribal councils
- Results – no new and significant information relative to GEIS conclusions or new issues
- Documentation of process and results available for review



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