

# Nebraska Excess Flow Annual Operating Plan

**DSS Id:** 22

**Appropriator:** Nebraska Public Power District

**Address:** PO Box 499 Columbus, NE 68602

**Water Rights Id:** 14375

**Point of Diversion:** Dawson County Diversion  
Dam

**Phone Number:** (402) 362-7360

**Permit Type:** Temporary

**Annual Operating Plan Year:** 2023

**E-mail:** jtshafe@nppd.com



Submitted

Status



Filing Accepted

Application Filing Fee Received & NeDNR Filing Review



In Progress

Application Approval

## Permit Application (*Alternate Form APA-001*)

**What Is the Recharge Application Type?** *Natural Flow*

**Source Name (From Point of Diversion)** *Dawson County Canal from Platte River*

**Diversion Type (From Point of Diversion)** *Headgate*

**Diversion Structure Name (From Point of Diversion)** *Dawson County Diversion Dam*

**Maximum Capacity of Canal or Delivery Works (CFS) (From Point of Diversion)** *525*

**Quantity Desired for Recharge Appropriation (CFS)** *100*

**What is the Minimum Operational Rate of the Canal (CFS)** *5*

**What is the Earliest Diversion Date?** *03/01/2023*

**Will This Project Be Constructed under a Federal Program, Receive Federal Funding, or Have Federal Planning Assistance?** *No*

**Do You Intend to Divert Water into Recharge Facilities Other than Your Canal?** *No*

## Annual Operating Plan

### General System Operations (*AOP*)

Yes

No

**Do You Use This System to Irrigate?**

**Diversion Begin Date** *04/24/2023*

**Diversion End Date** *09/15/2023*

**Delivery to Irrigators Begin Date** *07/01/2023*

**Delivery to Irrigators End Date** *09/15/2023*

**Irrigation Narrative (optional)** *In general, NPPD begins priming operations the fourth week of April and ends operations near the middle of September. Our rotational schedules for our customers call for irrigation deliveries to begin July 1st.*

### Irrigation Use Uploads (Optional)

No files uploaded.

Yes

No

Do You Use This System to Generate Hydropower?

Yes

No

Do You Use This System for Storage?

Narrative for All Non-excess Flow Activities That Would Affect the Ability to Divert Excess Flows (Optional)

## Partners & Sponsors

### Sponsor 1

Name of Entity Paying for Recharge at this Facility *PRRIP*

Per Acre-foot Cost Basis for Recharge at This Facility *Recharged*

Max Volume per Annum *999999*

#### Upload Sponsor Documents

 [Wtr Srvc Agree Rchrg Exss Flws.pdf \[https://dssdnr.nebraska.gov/filedownload/47\]](https://dssdnr.nebraska.gov/filedownload/47)

## Recharge Facilities (AOP)

### Dawson County Canal

### Location & Capacity

Name of Facility (If Only One Facility, This Is the Canal Name) *Dawson County Canal*

Type of Facility *Canal*

#### Delivery Point Coordinates

Latitude *40.84801*

Longitude *-99.985*

Operational Constraints: Enter Dates or Describe in the Narrative below When Can This Facility Can Be Operated?

Begin Date of Constraints (Optional): *01/01/2023*

End Date of Constraints (Optional): *12/31/2023*

Narrative of Constraints: Describe Details (Example: Weather Is Too Cold, so Cannot Operate the Facility) *Cannot operate canal for recharge if: - Operating the canal for irrigation - Maintenance is occurring - Operations may cause the canal prism to freeze*

#### Diversion Rate from Stream (CFS)

Amount needed to be diverted in order to deliver the amount specified in the next question below. The total of the diversion values entered for all project facilities should add up to the amount to be appropriated in the application section. *100*

**Delivery Rate (CFS)**  
*Amount to Be delivered into the project facility from the stream diversion. If your project consists of one canal, then the value for this question should be the same as the value for the previous question. For projects where a canal delivers water to a recharge site: (the stream diversion rate) minus (the project facility delivery rate) = canal loss. 100*

**Anticipated Maximum Annual Diversion (AF)**  
*The upper limit of water diverted from the stream for this project facility. 10000*

**Maximum Operational Head (FT)**  
*For reservoirs and wetlands, how deep will the water get? For canal sections, what is the maximum height of water (head) in the canal while diversions under this application are occurring? 5*

**Maximum Water Surface Area (Acres)**  
*For reservoirs and wetlands, what will be the maximum water surface area corresponding to the maximum head. For canals this would be the average canal width multiplied by the canal section length where recharge will occur. 200*

**Are Engineering Drawings Available?** No

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## Partners & Sponsors

- **PRRIP** *(contract uploaded)*

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## Instrumentation

### Instrument 1 - Outflow

**Name of Outflow Measurement Site** *Main Canal Outflow*

**Geographic Coordinates of Measurement Device**

<b>Latitude</b> <i>40.754</i>	<b>Longitude</b> <i>-99.436</i>
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**Recorder Type** *Transducer*

**Recording Increments** *15 Minute*

**Live Data Feed available to NeDNR?** Yes

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### Instrument 2 - Inflow

**Name of Inflow Measurement Site** *Dawson County Canal Measurement Flume - DNR Operated*

**Geographic Coordinates of Measurement Device**

<b>Latitude</b> <i>40.848</i>	<b>Longitude</b> <i>-99.985</i>
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**Recorder Type** *Transducer*

**Recording Increments** *15 Minute*

**Live Data Feed available to NeDNR?** Yes

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# Partners & Sponsors

## Sponsor 1

**Name of Entity Paying for Recharge at this Facility** *PRRIP*

**Per Acre-foot Cost Basis for Recharge at This Facility** *Recharged*

**Max Volume per Annum** *999999*

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