



Public Service®

16805 WCR 19 1/2; Platteville, Colorado 80651

Public Service
Company of Colorado
P.O. Box 840
Denver, CO 80201-0840

January 13, 1995
Fort St. Vrain
P-95009

U. S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, D. C. 20555

Attention: Mr. John H. Austin, Chief
Decommissioning and Regulatory
Issues Branch

Docket No. 50-267

SUBJECT: NPDES Permit Amendment

Dear Mr. Austin:

Attached for your information is a copy of an amendment to the Fort St. Vrain (FSV) National Pollutant Discharge Elimination System (NPDES) Permit. This amendment removes pH limitations and pH monitoring requirements for the farm pond outlet, and will be effective as of February 1, 1995.

The attached change to the FSV NPDES Permit is provided in accordance with Section 3.2.c of the FSV Non-Radiological Technical Specifications, Appendix B to Facility Operating License No. DPR-34. If you have any questions regarding this information, please contact Mr. M. H. Holmes at (303) 620-1701.

Sincerely,

Mary J. Fisher
Decommissioning Program Director

Attachment

cc: Regional Administrator, Region IV

270040

9501270357 950113
PDR ADOCK 05000267
W PDR

N410 1/1

Roy Romer, Governor
Patricia A. Nolan,*MD, MPH, Executive Director

4300 Cherry Creek Dr. S. Laboratory Building
Denver, Colorado 80222-1530 4210 E. 11th Avenue
Phone (303) 692-2000 Denver, Colorado 80220-3716
(303) 691-4700



Colorado Department
of Public Health
and Environment

Alan Albrandt, Unit Manager, Environmental Programs,
Public Service Company of Colorado
P.O. Box 840
Denver, CO 80201

RE: Amended Permit, Colorado Wastewater Discharge Permit System
Permit Number: CO-0001121, Public Service Company of
Colorado, Fort St. Vrain Station.

Enclosed please find a copy of the amended pages of your existing permit which was issued under the Colorado Water Quality Control Act. Your discharge permit requires that specific actions be performed at designated times. You are legally obligated to comply with all terms and conditions of your permit including these changes. It is especially important to note the "EFFECTIVE DATE", not the "AMENDED DATE", located at the bottom of each amended page of your permit. It is illegal to discharge per the new conditions until the effective date.

Sincerely,

Robert J. Shukle

Robert J. Shukle, Chief
Permits and Enforcement Section
Water Quality Control Division

cc: Permits Section, Environmental Protection Agency
Regional Council of Government
Local County Health Department
District Engineer, Field Support Section, WQCD
Derald Lang, Field Support Section, WQCD
Enforcement Officer, Permits and Enforcement Section, WQCD
Permit Drafters, Permits and Enforcement Section, WQCD

RJS: m1b

COLORADO DISCHARGE PERMIT SYSTEM (CDPS)

AMENDMENT NO. 4 - RATIONALE

PUBLIC SERVICE COMPANY OF COLORADO FORT ST. VRAIN STATION

PERMIT NO. CO-0001121, WELD COUNTY

- I. **TYPE OF PERMIT:** *Industrial - Amendment*
- II. **FACILITY INFORMATION:**
- A. **Facility Type and Fee Category:** *Category 8, Subcategory 4 - Power Plants: Process Water from 1.0 to 4.999 MGD - Current fee \$4568 per year for the process related permit; and Category 24, Subcategory 2 - Individual Industrial Storm Water Permits: Ten Acres or More - Current fee \$300/year per CRS 25-8-502. Total fee = \$4868/year.*
- B. **SIC No.:** *4911 (Electric Services)*
- C. **Legal Contact:** *Alan Albrandt, Unit Manager, Environmental Programs,
Public Service Company of Colorado
P.O. Box 840
(1225 17th Street, Suite 2000)
Denver, CO 80201
(303)+294-2978*
- D. **Facility Contacts:** *Alan Albrandt, Unit Manager, Environmental Programs
(See above for address and phone number)*

*Mary Fisher, Decommissioning Program Director
PSC Fort St. Vrain Station
(303)+620-1009*
- E. **Facility Location:** *The Public Service Company Fort Saint Vrain Station is located approximately 3.5 miles northwest of Platteville, Colorado in Section 3, T3N, R67W; and Sections 34 and 35, T4N, R67W; 6th Principal Meridian, as shown in figure 1 and 2 of the permit.*
- F. **Discharge Points:** *See renewal rationale for this facility for description of all the outfalls (discharge points 001A, 001B, 002, 003, 004, 005, 006, 007, and monitoring point 008) at this facility.*

Outfall 001A - the outfall 001 overflow from the farm pond at the Parshall flume, which is prior to entering the South Platte River, as shown in figure 3 of the permit.
- G. **Facility Flows:** *The following flows for 001A are unchanged from the previous rationale.*
001A = 2.065 MGD (average facility flow)
= 3.7 MGD (maximum flow)

See previous renewal rationale for the other discharge flows.

III. RECEIVING STREAM:

Outfalls 001A and 003 go to the South Platte River (segment 1, Middle South Platte River subbasin); 001B is located in the Goosequill Ditch Stub, which then goes to Goosequill Ditch, which is tributary to the South Platte River (Goosequill Ditch is in segment 3, Middle South Platte River subbasin); and outfalls 002, 004, and 005 go to St. Vrain Creek (segment 3, St. Vrain Creek subbasin). Outfalls 006 and 007 are internal discharge points which do not discharge directly to any surface waters. These two internal outfalls eventually contribute to discharges at 001A, 001B, and/or 002. See the previous renewal rationale (February 8, 1993) for further details.

IV. PURPOSE OF AMENDMENT:

This amendment will be deleting the limits for pH for discharge point 001A, which is based upon a review of previous information regarding this facility.

V. DISCUSSION OF AMENDMENT:

In a previous amendment for this permit (Amendment No. 2), the Division modified the pH limits for discharge point 001A with interim (6.5 to 11.0 s.u.) limits and final (6.5 to 9.0 s.u.) pH limits. In this Amendment No. 2, the Division also included a compliance schedule for the pH limits at outfall 001A with a required one-year study for determining the factors influencing pH in the farm pond, for assessing the seasonal nature of the influencing factors, and for ultimately assessing what pH limitations would be appropriate for discharge point 001A.

Although the previously specified final pH limits were indicated as applicable beginning on October 1, 1994 on page 1c(1) of the permit, these limits were also subject to the ** footnote, which stated: "These pH limitations will be further reevaluated and modified, based upon the analytical results of the one-year study and other possible considerations." Thus, this present amendment (Amendment No. 4) addresses the Division's decision that there will be no pH limits for the 001A outfall.

Quarterly reports were submitted by PSC for the outfall 001A Farm Pond Study for the period from April 1993 through July 1994. Based upon this study and other considerations, the Division has now determined that no pH limitations will be included for outfall 001A.

As indicated in a letter dated September 30, 1994, the Division had determined at that time that this permit amendment will be drafted for the next public notice (November 1994) which will be deleting the pH limitations for outfall 001A. This decision is based upon the one year study by PSC of the conditions in the Farm Pond, outfall 001A, and outfall 001B. This report has shown that the elevated pH levels from the Farm Pond (001A) are due to algae and to the presence of nutrients in the pond throughout the year; however, there has been compliance within the range of the pH limits for outfall 001B which is prior to the inlet of the Farm Pond. The Division's decision is also based upon a consideration of the previously specified limits for outfall 001A (which has included total residual chlorine limits, temperature limits, and flow reporting) in the last three renewal permits, which did not include pH limitations at 001A.

Thus, the pH limits for outfall 001A have been dropped on page 1c(i) of the permit, monitoring for pH at 001A has also been dropped on page 1i, and the compliance schedule on page 1h(i) has also been deleted.

Since this amendment includes significant changes, public notice requirements are applicable.

Don Holmer
October 17, 1994

VI. **CHANGES TO RATIONALE AND PERMIT FOLLOWING PUBLIC NOTICE:**

One comment letter dated November 28, 1994 was received from the permittee regarding this amendment.

In the comment letter from Public Service Company of Colorado, PSC included three comments: to change the name and phone number of the legal contact, to change the name and phone numbers of the facility contacts, and to change the header for this Amendment No. 4 rationale. These changes have been made and incorporated into this permit amendment rationale. No other changes were made to the rationale or to the permit.

*Don Holmer
December 5, 1994*

AUTHORIZATION TO DISCHARGE UNDER THE
COLORADO DISCHARGE PERMIT SYSTEM

In compliance with the provisions of the Colorado Water Quality Control Act, (25-8-101 et. seq., CRS, 1973 as amended) and the Federal Water Pollution Control Act, as amended (33 U.S.C. 1251 et. seq.; the "Act"),

PUBLIC SERVICE COMPANY OF COLORADO

is authorized to discharge from the Fort St. Vrain Station,

located in Section 3, T3N, R67W; and Sections 34 and 35, T4N, R67W; 6th Principal Meridian, as shown in figure 1,

to the South Platte River, St. Vrain Creek, and natural and man-made tributaries of these two streams,

in accordance with effluent limitations, monitoring requirements and other conditions set forth in Part I, and II hereof. All discharges authorized herein shall be consistent with the terms and conditions of this permit.

The applicant may demand an adjudicatory hearing within thirty (30) days of the issuance of the final permit determination, per Regulation for the State Discharge Permit System 6.8.0 (1). Should the applicant choose to contest any of the effluent limitations, monitoring requirements or other conditions contained herein, the applicant must comply with Section 24-4-104 CRS 1973 and the Regulation for the State Discharge Permit System. Failure to contest any such effluent limitation, monitoring requirement, or other condition, constitutes consent to the condition by the Applicant.

This permit and the authorization to discharge shall expire at midnight,
January 31, 1998.

Issued and Signed this 19th day of February, 1993

COLORADO DEPARTMENT OF HEALTH

Robert J. Holm
J. David Holm, Director
Water Quality Control Division

CERTIFIED LETTER NO. P784031982
DATE SIGNED 2/19/93
EFFECTIVE DATE OF
PERMIT 4/1/93

Amended	<u>06/30/93</u>	Effective	<u>08/01/93</u>
Amended	<u>12/03/93</u>	Effective	<u>02/01/94</u>
Corrected	<u>12/23/93</u>		
Amended	<u>11/30/94</u>	Effective	<u>01/01/95</u>
Amended	<u>12/14/94</u>	Effective	<u>02/01/95</u>

A. TERMS AND CONDITIONS

5. b. Effluent Limitations - Outfall 001A (to the South Platte River)

Beginning October 1, 1994 and lasting through January 31, 1998, the permittee is authorized to discharge from outfall 001A, the overflow from the farm pond at the Parshall flume, which is prior to entering the South Platte River, as shown in figure 2.

In accordance with the Water Quality Control Commission Regulations for Effluent Limitations, Section 10.1.3, and State Discharge Permit System Regulations, Section 6.9.2, 5 C.C.R. 1002-2, the permitted discharge shall not contain effluent parameter concentrations which exceed the following limitations, discharge more than the mass pollutant loadings specified below, or exceed the specified flow limitation.

<u>Effluent Parameter</u>	<u>Discharge Limitations</u>		
	<u>30-Day Avg a/</u>	<u>7-Day Avg b/</u>	<u>Daily Max c/</u>
* Flow, MGD	Report	N/A	Report
Temperature, degrees F	Report	N/A	86
Total Residual Chlorine, mg/l *	0.25	N/A	0.25

Oil and Grease shall not exceed 10 mg/l c/ nor shall there be a visual sheen, see footnote f/. There shall be no discharge of floating solids.

* See also Part I.A.1.(b) on page 1a.

See Part I.C. for Footnotes.

Amended	<u>12/03/93</u>	Effective	<u>02/01/94</u>
Amended	<u>12/14/94</u>	Effective	<u>02/01/95</u>

A. TERMS AND CONDITIONS

7. Compliance Schedule - Outfall 001A (to the South Platte River)

(This was deleted as part of Amendment No. 4, since there are no longer any pH limitations applicable for outfall 001A in this permit.)

Amended	<u>12/03/93</u>	Effective	<u>02/01/94</u>
Corrected	<u>12/23/93</u>		
Amended	<u>12/14/94</u>	Effective	<u>02/01/95</u>

B. MONITORING REQUIREMENTS

1. Frequency and Sample Type - Discharge Point 001A

In order to obtain an indication of the probable compliance or non-compliance with the effluent limitations specified in Section A, the permittee shall monitor all effluent parameters at the following frequencies:

<u>Effluent Parameter</u>	<u>Measurement Frequency d/</u>	<u>Sample Type e/</u>
Flow, MGD	Weekly	Instantaneous
Oil and Grease, mg/l f/	Weekly	Visual
Temperature, degrees F	Weekly	In-Situ
Total Residual Chlorine, mg/l	Weekly	Grab

Sampling by the permittee for compliance with the monitoring requirements specified above shall be performed at outfall 001A, the overflow from the farm pond at the Parshall flume, which is prior to entering the South Platte River, as shown in figure 3.

See Part I.C. for Footnotes

Amended 12/14/94 Effective 02/01/95