



Public Service™

Public Service  
Company of Colorado

2420 W. 26th Avenue, Suite 100D, Denver, Colorado 80211

March 31, 1986  
Fort St. Vrain  
Unit No. 1  
P-86257

F. Clark Huffman, Director  
Business Operations Division  
Department of Energy  
Oak Ridge Operations  
P.O. Box E  
Oak Ridge, TN 37831

Docket No. 50-267

SUBJECT: Utility Services Contract

Dear Mr. Huffman:

Attached is the Utility Services Contract Annual Data Submission for Fort St. Vrain. If you have any questions please contact Jane Finleon at (303) 480-6945.

Very truly yours,

*L. Milton McBride*  
for H. L. Brey, Manager  
Nuclear Licensing & Fuels

HLB/JF:pa

Attachment

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**UTILITY SERVICES (US) CONTRACT  
ANNUAL DATA SUBMISSION**

Contract No. DES-05-84HEC-7550

Reactor Name: FORT ST VRAIN

Data Submission Date: MARCH 31, 1986

Dates: Initial Criticality JANUARY 1974

Current Cycle: Number 4

Full Power Operation NOVEMBER 1981

Date Started MAY 1984

Commercial Operation JULY 1979

| Enriched Product Withdrawal Date (Mo/Yr) | Cycle ① No. | Effective Full Power Days | Capacity ② Factor (%) | Enriched Uranium Required For Each Cycle |                        |                 |                    |       | Tails Assay (%) | Feed Material Other Than Natural Uranium |                    |     |
|--|-------------|---------------------------|-----------------------|--|------------------------|-----------------|--------------------|-------|-----------------|--|--------------------|-----|
|  |             |                           |                       | Withdrawal Lead Time (Months)            | Fabrication Losses (%) | Assay w/o U-235 | Total Uranium (Kg) | SWU   |                 | Assay w/o U-235                          | Total Uranium (Kg) | SWU |
| 1982                                     | 5           | 292                       | 45                    | 60                                       | 4                      | 93.15           | 218                | 54600 | 0.2             |  |                    |     |
| 1/1988                                   | 6           | 299                       | 45                    | 24                                       | 4                      | 93.15           | 242                | 48485 | 0.3             |  |                    |     |
| 1/1990                                   | 7           | 284                       | 45                    | 24                                       | 4                      | 93.15           | 218                | 43676 | 0.3             |  |                    |     |
| 1/1992                                   | 8           | 283                       | 45                    | 24                                       | 4                      | 93.15           | 218                | 43676 | 0.3             |  |                    |     |
| 1/1994                                   | 9           | 287                       | 45                    | 24                                       | 4                      | 93.15           | 218                | 43676 | 0.3             |  |                    |     |
| 1/1996                                   | 10          | 290                       | 45                    | 24                                       | 4                      | 93.15           | 218                | 43676 | 0.3             |  |                    |     |

\* does not include fabrication losses

① Please include data for current cycle  
② Please include downtime between cycles