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**TEXAS UTILITIES GENERATING COMPANY**  
SKYWAY TOWER • 400 NORTH OLIVE STREET, L.B. 81 • DALLAS, TEXAS 75201

February 14, 1986

WILLIAM G. COUNCIL  
EXECUTIVE VICE PRESIDENT

Director of Nuclear Reactor Regulation  
Attention: Mr. Vince S. Noonan, Director  
Comanche Peak Project  
Division of Licensing  
U. S. Nuclear Regulatory Commission  
Washington, D.C. 20555

SUBJECT: COMANCHE PEAK STEAM ELECTRIC STATION (CPSES)  
DOCKET NOS. 50-445 AND 50-446  
UPDATED LISTING OF CHEMICALS USED IN THE OPERATION  
OF CPSES NONRADIOACTIVE-WASTE SYSTEMS

Ref: NRC letter dated December 5, 1985, from Mr. Vince S. Noonan to  
Mr. W. G. Council

Dear Mr. Noonan:

Texas Utilities Generating Company (TUGCo) has modified its water treatment for the CPSES Nonradioactive-Waste Systems subsequent to the September, 1981, issuance of the Final Environmental Statement (FES) as identified in Amendment 52 of the CPSES Final Safety Analysis Report, Section 9.2. In accordance with your letter dated December 5, 1985, TUGCo has attached the revised listing of projected amounts and types of nonradioactive chemicals used during CPSES operation. These changes will not impair TUGCo's ability to comply with the effluent limitations imposed by the current National Pollutant Discharge Elimination System (NPDES) permit. A copy of the current NPDES Permit No. TX0065854 has been attached to update information on the dockets.

Please find attached the TUGCo letter dated August 6, 1985 from Mr. Richard L. White, TUGCo Environmental Services, to Mr. Fred Humke, EPA Region VI, concerning the notification for the planned physical alterations to the package sewage treatment system permitted under the present NPDES permit.

If you have any questions, please contact Mr. Richard S. Berk at (214) 979-8952.

Very truly yours,

8602240336 860214  
PDR ADOCK 05000445  
A PDR

*W. G. Council*  
W. G. Council

RSB/arm  
Attachments

c - original + 3 copies

Annette Vietti-Cook

A DIVISION OF TEXAS UTILITIES ELECTRIC COMPANY

*Cool*  
1/1

Updated Table 4.2 Projected Amounts of Chemicals  
Used and Discharged During CPSES Operations

<u>Chemical</u>	<u>AMOUNT (kg/Day)</u>		<u>Disposal Method</u>
	<u>Used</u>	<u>Discharged</u>	
Hydrazine	7.0	0.002	Low Volume Waste <sup>3</sup>
Ammonium Hydroxide	6.0	0.02	Low Volume Waste <sup>3</sup>
Boric Acid	45.5	45.5	LVW <sup>3</sup> or Rad Waste Disposal
Lithium Hydroxide	0.04	0.04	LVW <sup>3</sup> or Rad Waste Disposal
Polymer	12.9	12.9	Evaporation Pond
Aluminum Sulfate	3.1	3.1	Evaporation Pond
Sulfuric Acid	290.0	58.0	Low Volume Waste <sup>3</sup>
Sodium Hydroxide	120.0	25.0	Low Volume Waste <sup>3</sup>
Powdex Resin <sup>1</sup>	82.0	82.0	Evaporation Pond
Sodium Hexametaphosphate	4.5	4.5	Low Volume Waste <sup>3</sup>
Sodium Hypochlorite	20.0	10.0	Sanitary Waste
Sodium Molybdate	4.0	4.0	Low Volume Waste <sup>3</sup>
Tolytriazole	1.0	1.0	Low Volume Waste <sup>3</sup>
Sodium Tetraborate	14.0	14.0	Low Volume Waste <sup>3</sup>
Calgon-CS <sup>2</sup>	35.0	30.0	Low Volume Waste <sup>3</sup>
Chlorine	1515.0	200.0 <sup>4</sup>	Squaw Creek Reservoir
Hydrogen Peroxide	0.06	0.06	LVW <sup>3</sup> or Rad Waste Disposal

1. Disposable powdered ion exchange resin
2. 72% Sodium Nitrite, 10% Borax
3. The Low Volume Waste (LVW) System provides for treatment of the Waste Pond, and allows for continuous monitoring of the discharge to Squaw Creek Reservoir
4. Maximum daily average allowed by existing permit

**TEXAS UTILITIES GENERATING COMPANY**

SKYWAY TOWER • 400 NORTH OLIVE STREET, L.B. 81 • DALLAS, TEXAS 75201

August 16, 1985

Mr. Fred Humke  
U.S. Environmental Protection Agency, Region VI  
1201 Elm Street  
Dallas, Texas 75270

Comanche Peak SES  
NPDES Permit No. TX0065854  
Upgrade - Package Sewage Treatment Plant

Dear Mr. Humke:

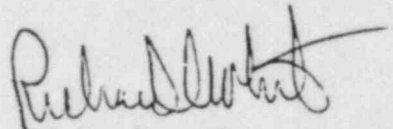
This notification is being submitted as required by Part II Section D - Paragraph 1 of the subject permit, concerning notification to the Director of planned physical alterations to the permitted facility. TUGCO is upgrading the power plant's package sewage system to insure compliance during all operating conditions including peak flow periods.

The upgrade consists of installation of a 45,000 gallon per day (gpd) extended aereation sewage treatment system to be installed in parallel with two existing 30,000 gpd systems. In addition, a 40,000 gallon aereated surge tank is being installed ahead of the treatment systems to control surges and proportion flow to the individual treatment systems.

We believe these modifications will improve the overall effectiveness of the system and insure continuous compliance of the facility with permit limitations. The improvements to the treatment plant will not change the quantity of sewage generated by the power plant and there will be no change in the location of the outfall. The system is scheduled to be installed and operational in approximately 30 days.

By copy of this letter we are also notifying the Texas Department of Water Resources. Please let us know if you need any additional information or have any questions.

Very truly yours,



Richard L. White, Manager  
Environmental Services

JRR:jl

cc: Mr. Joe Morgan, TDWR Regional Office, Waco  
Mr. Ray Newton, TDWR, Permits

bcc: Jerry Johnson  
Tim O'Shea  
Dwight Braeswell (Comanche  
Peak SES)

U.S. ENVIRONMENTAL PROTECTION AGENCY  
NPDES PERMIT

**ISSUED**

Permit No. TX0065854

Facility Comanche Peak SES

Effective Date 5 June 1984

Expiration Date 4 June 1989

Comments \_\_\_\_\_

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
REGION VI  
INTERFIRST TWO BUILDING, 1201 ELM STREET  
DALLAS, TEXAS 75270

July 17, 1984

TX0000  
JUL 18 1984  
ENVIRO SVC.

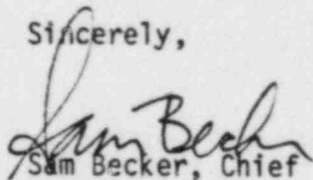
Mr. H. B. Coffman, Manager  
Environmental Service  
Texas Utilities Generating  
Company  
Skyway Tower  
400 North Olive Street, L.B. 81  
Dallas, Texas 75201

Re: NPDES Permit No. TX0065854  
Comanche Peak S.E.S.

Dear Mr. Coffman:

In response to your letter request dated May 31, 1984, we have made several administrative corrections to pages 6, 8 and 10 of the referenced permit. Please feel free to contact us if you have any questions.

Sincerely,

A handwritten signature in cursive script, appearing to read "Sam Becker".

Sam Becker, Chief  
Industrial Permits Section (6W-PI)

cc: Texas Department of Water Resources





UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
REGION VI  
INTERFIRST TWO BUILDING, 1201 ELM STREET  
DALLAS, TEXAS 75270

TUGCO

MAY 08 1984

ENVIRO SVC.

MAY 04 1984

CERTIFIED MAIL: RETURN RECEIPT REQUESTED (P 464 737 411)

Mr. H. B. Coffman, Manager  
Environmental Services  
Texas Utilities Generating Company  
Skyway Tower  
400 North Olive Street, L.B. 81  
Dallas, Texas 75201

Re: Application to Discharge to Waters of the United States  
Permit No. TX0065854

Dear Mr. Coffman:

Enclosed is the public notice of the Agency's final permit decision and a copy of our response to comments and the final permit. This public notice describes any substantial changes from the draft permit.

If you intend to request an evidentiary hearing, please follow the requirements outlined in the public notice of the draft permit.

Should you have any questions please feel free to contact the Permits Branch at the above address or telephone (214) 767-4375.

Sincerely,

Myron O. Knudson, P.E.  
Director, Water Management Division (6W)

Enclosures

cc w/permit copy:  
Texas Department of Water Resources

Advertising Order Number 4T-3295-NNLX  
U.S. Environmental Protection Agency - Region 6  
Public Notice of Final Permit Decision

May 5, 1984

This is to give notice that the U.S. Environmental Protection Agency, Region 6, has made a final permit decision and will issue the following One (1) Proposed Permit(s) under the National Pollutant Discharge Elimination System. The permit(s) will become effective 30 days from the date of this Public Notice. Any substantial changes from the Draft Permit are cited.

This issuance is based on a final staff review of the administrative record and comments received. A Response to Comments is available by writing to:

Mr. Mark Satterwhite  
Permits Branch (6W-PS)  
U.S. Environmental Protection Agency  
Region 6  
InterFirstTwo Building  
1201 Elm Street  
Dallas, Texas 75270  
(214) 767-2765

Any person may request an Evidentiary Hearing on this final permit decision. However, the request must be submitted within 30 days from the date of this Notice. The request should be in accordance with the requirements of 40 CFR 124.74 (Federal Register Volume 45, Number 98, Monday, May 19, 1980). The original public notice contains the stay provisions of a granted evidentiary hearing request.

Further information including the administrative record may be viewed at the above address between 8:00 a.m. and 4:30 p.m., Monday through Friday.

NPDES authorization to discharge to waters of the United States,  
permit No. TX0065854.

The applicant's mailing address is: Texas Utilities Generating Company  
Skyway Tower  
400 North Olive Street, L.B. 81  
Dallas, Texas 75201

The discharge from this nuclear steam electric station is made into (Outfall 001) Lake Granbury via pipeline from Squaw Basin and (Outfall 002) to Squaw Creek; thence into the Poluxy River; thence into the Brazos River in Segment No. 1204 of the Brazos River Basin, a water of the United States classified for contact and noncontact recreation and the propagation of fish and wildlife. The discharge is located on that water on the west side of Squaw Creek Reservoir, west of State Highway 144 and approximately 4 miles north of the City of Glen Rose, Somervell County, Texas. Under the standard industrial classification (SIC) code 4911, the applicant's activities are the generation of electricity by the Comanche Peak Steam Electric Station.

There are substantial changes from the draft permit.

1. For Outfall 002, temperature monitoring is changed to 1/Week when discharge
2. For Outfall 201, temperature limitations are changed to 110°F daily average and 116°F daily maximum.
3. For Outfall 301, measurement frequency for Biochemical Oxygen Demand (5-day), Total Suspended Solids and pH is changed to 2/month.
4. For Outfall 501, total organic carbon limitations are deleted.
5. Chlorine minimization studies, as addressed in Part III, paragraph 8, are deleted.



This is our response to the comments received on the subject draft NPDES permit in accordance with our regulations.

RESPONSE TO COMMENTS  
DRAFT NPDES PERMIT

Permit No.: TX0065854  
Permittee: Texas Utilities Generating Company  
Facility Name: Comanche Peak Steam Electric Station  
Draft Permit Public Notice Date: February 11, 1984  
Prepared by: Fred Humke

Issue #1: TUGCO requests that for Outfall 002, the monitoring frequency for temperature be changed to 1/week when discharge occurs, consistent with recent TDWR permitting.

Response #1: EPA concurs.

Issue #2: TUGCO requests that for Outfall 201, temperature limitations be changed to 113°F daily average and 116°F daily maximum, based on thermal modeling results and the fact that there are no WQS temperature limitations within the reservoir.

Response #2: EPA concurs.

Issue #3: TUGCO requests that for Outfall 501, Total Organic Carbon (TOC) limitations be deleted consistent with the final TDWR permit and the fact that the Safe Shutdown Impoundment (SSI) make-up water is taken from Squaw Creek Reservoir.

Response #3: EPA concurs.

Issue #4: TUGCO requests that the chlorine minimization study requirements included in Part III, paragraph 7, be deleted, since these are no longer a requirement of the NRC, are not required by the TDWR permit, and are not required under the final rules and regulations governing effluents from steam electric generating stations (40 CFR Part 423).

Response #4: EPA concurs.

Issue #5: TUGCO requests that for Outfall 301, monitoring frequency for Biochemical Oxygen Demand (5-day), Total Suspended Solids and pH be changed to 2/month.

Response #5: EPA concurs.