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the southern electric system

George O. Layman
Director of Power Supply

May 10, 1984

Mr. Charles Kaplan
U.S. Environmental Protection Agency
Region IV
345 Courtland Street, N.E.
Atlanta, Georgia 30365

Dear Mr. Kaplan:

Ref: Addendum to NPDES Application

As per your request, please find attached the following information:

Attachment I: Revised Low Volume and Auxiliary
Cooling Water Flows for the
Crist Electric Generating Plant

Attachment II: Revised Low Volume and Auxiliary
Cooling Water Flows for the
Scholz Electric Generating Plant

Attachment III: Revised Flow Schematic for the
Scholz Electric Generating Plant

As I understand, these attachments are to be considered addenda to Gulf's NPDES applications for Plant Crist and Plant Scholz.

If you have any questions regarding these attachments, please contact Jim Vick of my staff at (904)434-8311.

Yours very truly,

JOV:en

Attachments

Attachment I

Plant Crist Ash Sluicing & Low Volume Waste Flows

1. Cooling Tower Blowdown (6 & 7):	14.4 MGD (Max)
2. Cooling Tower Blowdown Used For Ash Sluicing:	2.2 MGD (Max)
3. Unit 1 & 2 Building Sump:	.432 MGD (Max)
4. Unit 3 Building Sump:	.432 MGD (Max)
5. Unit 4 & 5 Building Sump:	1.152 MGD (Max)
6. Unit 6 Building Sump:	1.44 MGD (Max)
7. Unit 7 Building Sump:	2.592 MGD (Max)
8. Unit 7 Fan Yard Sump:	.864 MGD (Max)
9. Demineralizer Neutralization Basin:	.432 MGD (Max)
Total Low Volume Waste Flows (3-9):	<u>7.344 MGD (Max)</u>

Attachment II

Plant Scholz Low Volume Waste Flows:

1. House Service Water Pumps: 2 @ 1.8 MGD each (1)

A: Boiler Seal Water

B: Air Compressor Cooler

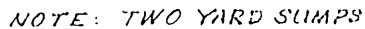
C: Fan Bearing Cooling:

D: Miscellaneous Oil Cooling

All of the above drain into two (2) building sumps. The building sumps are rated at .72 MGD each.

Turbine Oil and Hydrogen Cooling are routed to the discharge canal

- (1) The house service pumps are rarely operated due to the nature of the house service water system which includes a large surge tank. This is the reason for the discrepancy in the flows between the house service pumps and the building sumps.



POTABLE WATER
AFTER USE

AEROBIC
DIGESTION
PLANT

SODIUM
HYPOCHLORITE

**TURBINE
OIL
COOLERS**

GEN.

GEN.

COOLING WATER
PUMP

SOFTENER
REGENERAN
WASTE.....

FLOOR DRAIN

OIL
COOLERS

OTHER
AUXIL'S

OTHER
AUXIL'5

AIR COMP. COOLER -

BOILER

HOUSE SERVICE
PUMPS

H. S.
TANK

CIRCULATING WATER PUMPS

INTAKE STRUCTURE

-INTAKE CANAL - FROM THE
APALACHICOLA RIVER

ASH SLUICE PUMPS

BOTTOM ASH SLUICE SYSTEM

FLY ASH SYSTEM

ASH
POND

A hand-drawn diagram of a pond, represented by a semi-circle. Inside the semi-circle, the words "ASH" and "POND" are written in capital letters, one above the other.

SUMP PUMP
YARD SUMP

YARD DRAINS/COAL PILE R' OFF

CANAL → 002

DISCHARGE STRUCTURE

SCHOLZ STEAM PLANT

SUBJECT

PROPOSED RIVER WATER CYCLE - UNITS 1 & 2

DR. _____
TR. A.B.T.

DATE 8-7-74

SCALE NONE SH 1 OF 1 SHEETS

A-3833