

DEC 23 1982

DISTRIBUTION:

Docket File (50-373)

NRC PDR
Local PDR
NSIC
PRC

Mr. Edward M. Gogol
Executive Director
Citizens Against Nuclear Power
407 S. Dearborn
Suite 930
Chicago, Illinois 60605

LB#2 File
ABournia
EHylton
ASchwencer
CWoodhead, OELD
TMNovak
DGEisenhut/RPurple
HRDenton/EGCase

Dear Mr. Gogol:

We have reviewed your December 15, 1982 letter, and we believe that we have addressed your concerns in our safety evaluation relative to single loop recirculation operation at Unit 1 of the La Salle County Station. Enclosed is a copy of our safety evaluation made by the staff in support of Amendment No. 11 of the La Salle license for one loop operation.

Our safety evaluation concludes that the licensee can restart the plant. The reactor is restricted to 50 percent power and also some safety system settings are required to provide the requisite level of safety for operation with one recirculation loop out of service. During this period of operation, the licensee plans on continuing his startup program which includes testing of safety relief valves. It is expected that these tests will require between 10 to 20 days of plant operation. The licensee then plans to shutdown the plant and perform the necessary maintenance and repair to the inoperable loop isolation valve.

Operation of the recirculation loops occur during normal operation when the reactor is at power producing heat. In the design of the Emergency Core Cooling System, no credit is taken for the operation of the recirculation loop to safely cool the core. All heat removal is accomplished by the Emergency Core Cooling System consisting of its own pumps and source of water for core cooling.

In the last several years, the staff has performed a number of safety evaluations with regard to operation of a boiling water reactor with one recirculation loop isolated. In each of these cases, the staff has concluded that with proper limits on power level and other set points, no greater risks occur than with two recirculation loops in operation. In fact, analyses demonstrate that because of the reduced power level, greater margin in core cooling can be anticipated. Lastly, single recirculation loop operation of boiling water reactors has occurred at several operating plants in this country. These operations were performed safely and did not result in an undue risk to the health and safety of the public.

B301030321 821223
PDR ADOCK 05000373
P PDR

OFFICE ▶	.....	.....	.....	.....	.....	.....	.....
SURNAME ▶	.....	.....	.....	.....	.....	.....	.....
DATE ▶	.....	.....	.....	.....	.....	.....	.....

Mr. Edward M. Gogol

- 2 -

Notwithstanding the above explanation, your petition for a hearing has been referred to the Commission for their consideration.

Sincerely,

Harold R. Denton
Harold R. Denton, Director
Office of Nuclear Reactor Regulation

Enclosure:
As stated

cc: Congressman Tom Corcoran
Congressman Harold Washington
Congressman Sidney Yates
Attorney General of the
State of Illinois

*SEE ATTACHED PAGE FOR PREVIOUS CONCURRENCES

OFFICE	DL:LB#2/PM*	DL:LB#2/BC*	OELD*	DL:AD/L*	DL:DIR	NRR	
SURNAME	ABournia:kw	ASchwencer	CWoodhead	TNovak	DEisenhut	HDenton	
DATE	12/23/82	12/22/82	12/22/82	12/22/82	12/21/82	12/21/82	

Mr. Edward M. Gogol

- 2 -

Notwithstanding, your petition for a hearing has been referred to the Commission for their consideration.

Sincerely,

Harold R. Denton, Director
Office of Nuclear Reactor Regulation

Enclosure:
As stated

cc: Congressman Tom Corcoran
Congressman Harold Washington
Congressman Sidney Yates
Attorney General of the
State of Illinois

*SEE ATTACHED PAGE FOR PREVIOUS CONCURRENCES

OFFICE ▶	DL:LB#2/PM*	DL:LB#2/BC*	OELD	DL:AD/L *	DL:DIR	NRR	
SURNAME ▶	ABournia:kw	ASchwencer	<i>Woodhull</i>	TNovak	DEisenhut	HDenton	
DATE ▶	12/22/82	12/22/82	12/22/82	12/22/82	12/22/82	12/22/82	

DISTRIBUTION:
 Document Control (50-373)
 NRC PDR
 L PDR
 NSIC
 PRC
 LB#2 Reading
 ABournia
 EHylton
 ASchwencer
 CWoodhead, OELD
 TMNovak
 DGEisenhut/RPurple
 HRDenton/EGCase
 Burns, OELD

Mr. Edward M. Gogol
 Executive Director
 Citizens Against Nuclear Power
 407 S. Dearborn
 Suite 930
 Chicago, Illinois 60605

Dear Mr. Gogol:

We have reviewed your December 15, 1982 letter, and we believe that we have addressed your concerns in our safety evaluation relative to single loop recirculation operation at Unit 1 of the La Salle County Station. Enclosed is a copy of our safety evaluation made by the staff in support of Amendment No. 11 of the La Salle license for one loop operation.

Our safety evaluation concludes that the licensee can restart the plant. The reactor is restricted to 50 percent power and also some safety system settings are required to provide the requisite level of safety for operation with one recirculation loop out of service. During this period of operation, the licensee plans on continuing his startup program which includes testing of safety relief valves. It is expected that these tests will require between 10 to 20 days of plant operation. The licensee then plans to shutdown the plant and perform the necessary maintenance and repair to the inoperable loop isolation valve.

Operation of the recirculation loops occur during normal operation when the reactor is at power producing heat. In the design of the Emergency Core Cooling System, no credit is taken for the operation of the recirculation loop to safely cool the core. All heat removal is accomplished by the Emergency Core Cooling System consisting of its own pumps and source of water for core cooling.

In the last several years, the staff has performed a number of safety evaluations with regard to operation of a boiling water reactor with one recirculation loop isolated. In each of these cases, the staff has concluded that with proper limits on power level and other set points, no greater risks occur than with two recirculation loops in operation. In fact, analyses demonstrate that because of the reduced power level, greater margin in core cooling can be anticipated. Lastly, operation of boiling water reactors has occurred at several operating plants in this country. These operations were performed safely and did not result in an undue risk to the health and safety of the public.

recirculation
single loop
As corrected

OFFICE	DL:LB#2/PM	DL:LB#2/BC	OELD	DL:AD/L	DL:DIR	NRR
SURNAME	ABournia:kw	ASchwencer		TMNovak	DGEisenhut	HRDenton
DATE	12/17/82	12/17/82	12/ /82	12/ /82	12/ /82	12/ /82