BYRON STATION UNIT 1 AND UNIT 2

MONTHLY OPERATING REPORT

COMMONWEALTH EDISON COMPANY

FACILITY OPERATING LICENSE NOS. NPF-37 AND NPF-66

NRC DOCKET NOS. STN 50-454 AND STN 50-455

OPERATING DATA REPORT
UNIT ONE

DOCKET NO. 50-454
UNIT NAME Byron One
DATE 10/20/99
COMPLETED BY R. Colglazier
TELEPHONE (815)234-5441 X2609

REPORTING PERIOD: June, 1999 (Month/Year)

		MONTH	YEAR TO DATE	CUMULATIVE
1.	Design Electrical Rating (Mwe-Net). The nominal net electrical output of the unit specified by the utility and used for the purpose of plant design.	1,120	N/A	N/A
2.	Maximum Dependable Capacity (Mwe-Net). The gross electrical output as measured at the output terminals of the turbine-generator during the most restrictive seasonal conditions minus the normal station service loads.	1,105	N/A	N/A
3.	Number of Hours the Reactor was Critical. The total number of hours during the gross hours of the reporting period that the reactor was critical.	720	3,557.63	99,412.03
4.	Number of Hours the Generator was On Line. (Also called Service Hours). The total number of hours during the gross hours of the reporting period that the unit operated with breakers closed to the station bus. The sum of the hours the generator was on line plus the total outage hours should equal the gross hours in the reporting period.	720	3,528.82	98,503.22
5.	Unit Reserve Shutdown Hours. The total number of hours during the gross hours of the reporting period that the unit was removed from service for economic or similar reasons but was available for operation.	0	0	38
6.	Net Electrical Energy (MWH). The gross electrical output of the unit measured at the output terminals of the turbine-generator minus the normal station service loads during the gross hours of the reporting period, expressed in megawatt hours. Negative quantities should not be used.	803,452	3,926,122	98,774,458

UNIT SHUTDOWNS

DOCKET NO. 50-454
UNIT NAME Byron One
DATE 10/20/99
COMPLETED BY R. Colglazier
TELEPHONE (815)234-5441 X2609

REPORTING PERIOD: June, 1999

NO.	DATE	TYPE F: FORCED S: SCHEDULED	DURATION (HOURS)	REASON (1)	METHOD OF SHUTTING DOWN (2)	CAUSE/CORRECTIVE ACTIONS COMMENTS
		None				

SUMMARY: Unit One On Line During the Month of June

(1) Reason
A – Equipment Failure (Explain)
B – Maintenance Test
C – Refueling
D – Regulatory Restriction
E – Operator Training/License Examination
F – Administrative
G – Operational Error (Explain)
H – Other (Explain)

(2) Method
1 – Manual
2 – Manual Trip/Scram
3 – Automatic Trip/Scram
4 – Continuation
5 – Other (Explain)

UNIQUE REPORTING REQUIREMENTS (UNIT 1)
for the month of June, 1999

1. Safety/Relief valve operations for Unit One. This information is provided pursuant to the reporting requirements contained in Technical Specification 5.6.4.

DATE	VALVES ACTUATED	NO & TYPE ACTUATION	PLANT CONDITION	DESCRIPTION OF EVENT

None

2. Licensee generated changes to ODCM.

On June 24, 1999, Byron Station implemented Revision 2, of the Off-Site Dose Calculation Manual (ODCM) dated April 1999. The ODCM has been revised to reflect the common methodology used at Commonwealth Edison (ComEd) Company for determining the Total Effective Dose Equivalent (TEDE) to the public.

These common methodologies are reflected in Chapters 1 through 7 and Appendices A through C of this revision. Previously, these methodologies are stated in Chapters 1 through 9 and Appendices A through E. This revision edits the text for clarity by removing redundant information, site-specific criteria, and combining chapters, appendices and tables. Two criteria were added for the station to evaluate the effect of dose to the public. These are the dredging of rivers and storage of radioactive material on site.

The Army Corp of Engineers dredges rivers for navigation purposes and disposes of the soil on non-ComEd sites. The dredging activity is not applicable to Byron Station because the Rock River is not navigable and when dredged the material is disposed of on ComEd property. The second evaluation has already been implemented at Byron Station. During the Steam Generator Replacement Project, completed during refuel outage B1R08, an additional Thermoluminescent Detector and surveillance was added to the Radiological Effluents Technical Specifications (RETS) and Radiological Effluent Monitoring Program (REMP). The surveillance monitors the exterior dose rate of the Old Steam Generator Facility and accumulation of liquids from inside the building.

The implementation does not change past requirements of the RETS and REMP programs. All surveillance criteria remain the same.

3. Indications of failed fuel.

None. Fuel Reliability Indicator: FRI = 5.49 E-06 μCi/cc.

4. Licensee Event Reports

The following is a tabular summary of all Licensee Event Reports for Byron Station, Unit One, occurring during the reporting period, June 1, 1999 through June 30, 1999. This information is provided pursuant to the reportable occurrence reporting requirements as set forth in 10CFR 50.73.

Licensee Event Report Number	Occurrence Date	Title of Occurrence

None

OPERATING DATA REPORT
UNIT TWO

DOCKET NO. 50-455
UNIT NAME Byron Two
DATE 10/20/99
COMPLETED BY R. Colglazier
TELEPHONE (815)234-5441 X2609

REPORTING PERIOD: June, 1999 (Month/Year)

		MONTH	YEAR TO DATE	CUMULATIVE
1.	Design Electrical Rating (Mwe-Net). The nominal net electrical output of the unit specified by the utility and used for the purpose of plant design.	1,120	N/A	N/A
2.	Maximum Dependable Capacity (Mwe-Net). The gross electrical output as measured at the output terminals of the turbine-generator during the most restrictive seasonal conditions minus the normal station service loads.	1,105	N/A	N/A
3.	Number of Hours the Reactor was Critical. The total number of hours during the gross hours of the reporting period that reactor was critical.	720	4,343	92,112.4
4.	Number of Hours the Generator was On Line. (Also called Service Hours). The total number of hours during the gross hours of the reporting period that the unit operated with breakers closed to the station bus. The sum of the hours the generator was on line plus the total outage hours should equal the gross hours in the reporting period.	720	4,343	91,389.9
5.	Unit Reserve Shutdown Hours. The total number of hours during the gross hours of the reporting period that the unit was removed from service for economic or similar reasons but was available for operation.	0	0	0
6.	Net Electrical Energy (MWH). The gross electrical output of the unit measured at the output terminals of the turbine-generator minus the normal station service loads during the gross hours of the reporting period, expressed in megawatt hours. Negative quantities should not be used.	802,513	4,909,138	91,896,921

UNIT SHUTDOWNS

DOCKET NO. 50-455
UNIT NAME Byron Two
DATE 10/20/99
COMPLETED BY R. Colglazier
TELEPHONE (815)234-5441 X2609

REPORTING PERIOD: June, 1999

NO.	DATE	TYPE F: FORCED S: SCHEDULED	DURATION (HOURS)	REASON (1)	METHOD OF SHUTTING DOWN (2)	CAUSE/CORRECTIVE ACTIONS COMMENTS
		None				

SUMMARY: Unit Two On Line During the Month of June

(1) Reason
- A – Equipment Failure (Explain)
- B – Maintenance Test
- C – Refueling
- D – Regulatory Restriction
- E – Operator Training/License Examination
- F – Administrative
- G – Operational Error (Explain)
- H – Other (Explain)

(2) Method
- 1 – Manual
- 2 – Manual Trip/Scram
- 3 – Automatic Trip/Scram
- 4 – Continuation
- 5 – Other (Explain)

UNIQUE REPORTING REQUIREMENTS (UNIT 2)
for the month of June, 1999

1. Safety/Relief valve operations for Unit Two. This information is provided pursuant to the reporting requirements contained in Technical Specification 5.6.4.

DATE	VALVES ACTUATED	NO & TYPE ACTUATION	PLANT CONDITION	DESCRIPTION OF EVENT

None

2. Licensee generated changes to ODCM.

On June 24, 1999, Byron Station implemented Revision 2, of the Off-Site Dose Calculation Manual (ODCM) dated April 1999. The ODCM has been revised to reflect the common methodology used at Commonwealth Edison (ComEd) Nuclear Stations for determining the Total Effective Dose Equivalent (TEDE) to the public.

These common methodologies are reflected in Chapters 1 through 7 and Appendices A through C of this revision. Previously, these methodologies are stated in Chapters 1 through 9 and Appendices A through E. This revision edits the text for clarity by removing redundant information, site-specific criteria, and combining chapters, appendices and tables. Two criteria were added for the station to evaluate the effect of dose to the public. These are the dredging of rivers and storage of radioactive material on site.

The Army Corp of Engineers dredges rivers for navigation purposes and disposes of the soil on non-ComEd sites. The dredging activity is not applicable to Byron Station because the Rock River is not navigable and when dredged the material is disposed of on ComEd property. The second evaluation has already been implemented at Byron Station. During the Steam Generator Replacement Project, completed during refuel outage B1R08, an additional Thermoluminescent Detector and surveillance was added to the Radiological Effluents Technical Specifications (RETS) and Radiological Effluent Monitoring Program (REMP). The surveillance monitors the exterior dose rate of the Old Steam Generator Facility and accumulation of liquids from inside the building.

The implementation does not change past requirements of the RETS and REMP programs. All surveillance criteria remain the same.

3. Indications of failed fuel.

None. Fuel Reliability Indicator: FRI = 3.97 E-06 μCi/cc

4. Licensee Event Reports

The following is a tabular summary of all Licensee Event Reports for Byron Station, Unit Two, occurring during the reporting period, June 1, 1999 through June 30, 1999. This information is provided pursuant to the reportable occurrence reporting requirements as set forth in 10CFR 50.73.

Licensee Event Report Number	Occurrence Date	Title of Occurrence

None