

BYRON NUCLEAR POWER STATION
UNIT 1 DOCKET NUMBER STN-50-454
RADIOACTIVE EFFLUENT RELEASE REPORTJanuary, 1994 THROUGH June, 1994GASEOUS EFFLUENTS - VENT STACK RELEASES - CONTINUOUS MODE (CONT)

| UNITS | 1ST QTR | 2ND QTR | 3RD QTR | 4TH QTR |
|-------|---------|---------|---------|---------|
|-------|---------|---------|---------|---------|

J. IODINE RELEASES

| | | | | |
|----|--|--|--|--|
| Ci | | | | |
| Ci | | | | |
| Ci | | | | |

K. PARTICULATE (>8 day half-life) RELEASES

Sr-89
Sr-90

| | | | | |
|----|--|-------|--|--|
| Ci | | < LLD | | |
| Ci | | < LLD | | |
| Ci | | | | |
| Ci | | | | |
| Ci | | | | |

LIQUID EFFLUENTS - SUMMATION OF ALL RELEASES

L. FISSION AND ACTIVATION GAS RELEASES

1. Total Activity Released
2. Average Concentration Released
for Quarter

| | | | | |
|--------|--|---------|--|--|
| Ci | | 8.80E-2 | | |
| uCi/ml | | 3.32E-8 | | |

3. % of 10CFR50 Limits

- a. Quarterly Whole Body
(1.5 mrem)
- b. Quarterly Any Organ
(5.0 mrem)
- c. Annual Whole Body
(3.0 mrem)
- d. Annual Any Organ
(10.0 mrem)

| | | | | |
|---|--|--|--|--|
| % | | | | |
| % | | | | |
| % | | | | |
| % | | | | |

BYRON NUCLEAR POWER STATION
UNIT 2 DOCKET NUMBER STN-50-455
RADIOACTIVE EFFLUENT RELEASE REPORTJanuary, 1994 THROUGH June, 1994GASEOUS EFFLUENTS - VENT STACK RELEASES - CONTINUOUS MODE (CONT)

| UNITS | 1ST QTR | 2ND QTR | 3RD QTR | 4TH QTR |
|-------|---------|---------|---------|---------|
|-------|---------|---------|---------|---------|

J. IODINE RELEASES

| | | | | |
|----|--|--|--|--|
| Ci | | | | |
| Ci | | | | |
| Ci | | | | |

K. PARTICULATE (>8 day half-life) RELEASES

Sr-89
Sr-90

| | | | | |
|----|--|------|--|--|
| Ci | | <LLD | | |
| Ci | | <LLD | | |
| Ci | | | | |
| Ci | | | | |
| Ci | | | | |

LIQUID EFFLUENTS - SUMMATION OF ALL RELEASES

L. FISSION AND ACTIVATION GAS RELEASES

1. Total Activity Released
2. Average Concentration Released for Quarter

| | | | | |
|--------|--|---------|--|--|
| Ci | | 8.80E-2 | | |
| uCi/ml | | 3.32E-8 | | |

3. % of 10CFR50 Limits

- a. Quarterly Whole Body (1.5 mrem)
- b. Quarterly Any Organ (5.0 mrem)
- c. Annual Whole Body (3.0 mrem)
- d. Annual Any Organ (10.0 mrem)

| | | | | |
|---|--|--|--|--|
| % | | | | |
| % | | | | |
| % | | | | |
| % | | | | |

