

D. Lanham
NSP

REGULATORY DOCKET FILE COPY

NORTHERN STATES POWER COMPANY

MINNEAPOLIS, MINNESOTA 55401

September 27, 1977



Mr J G Keppler, Director, Region III
Office of Inspection & Enforcement
U S Nuclear Regulatory Commission
799 Roosevelt Road
Glen Ellyn, IL 60137

Dear Mr Keppler:

MONTICELLO NUCLEAR GENERATING PLANT
Docket No. 50-263 License No. DPR-22

Failure of LPCI Injection Valve, MO 2013

The Licensee Event Report for this occurrence is reproduced on the back of this letter. Enclosed are three copies.

Yours very truly,

M O Mayer for

L O Mayer, PE
Manager of Nuclear Support Services

LOM/MHV/deh

cc: Director, IE, USNRC (30)
Director, MIPC, USNRC (3)
G Charnoff
MPCA
Attn: J W Ferman

772850069

SEP 29 1977

over

50-263

NRC DISTRIBUTION FOR PART 50 DOCKET MATERIAL

FILE NUMBER

INCIDENT REPORT

DATE OF DOCUMENT

9-27-77

DATE RECEIVED

10-11-77

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TO: J G Keppler

FROM: Northern States Pwr Co
Minneapolis, Mn
L O Mayer☒ LETTER
☒ ORIGINAL
☐ COPY☐ NOTORIZED
☒ UNCLASSIFIED

PROP

INPUT FORM

DESCRIPTION

1p

1p

PLANT NAME: Monticello

10-11-77 ehf

ENCLOSURE

Licensee Event Report (RO# 77-22) on 8-28-77
concerning failure of LPCI injection valve MO-
2013 due to contactor failure.....

1p

NOTE: IF PERSONNEL EXPOSURE IS INVOLVED
SEND DIRECTLY TO KREGER/J. COLLINS

1 CY ENCL Rec'd *

FOR ACTION/INFORMATION

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CONTROL NUMBER

1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30. 31. 32. 33. 34. 35. 36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50. 51. 52. 53. 54. 55. 56. 57. 58. 59. 60. 61. 62. 63. 64. 65. 66. 67. 68. 69. 70. 71. 72. 73. 74. 75. 76. 77. 78. 79. 80. 81. 82. 83. 84. 85. 86. 87. 88. 89. 90. 91. 92. 93. 94. 95. 96. 97. 98. 99. 100. 101. 102. 103. 104. 105. 106. 107. 108. 109. 110. 111. 112. 113. 114. 115. 116. 117. 118. 119. 120. 121. 122. 123. 124. 125. 126. 127. 128. 129. 130. 131. 132. 133. 134. 135. 136. 137. 138. 139. 140. 141. 142. 143. 144. 145. 146. 147. 148. 149. 150. 151. 152. 153. 154. 155. 156. 157. 158. 159. 160. 161. 162. 163. 164. 165. 166. 167. 168. 169. 170. 171. 172. 173. 174. 175. 176. 177. 178. 179. 180. 181. 182. 183. 184. 185. 186. 187. 188. 189. 190. 191. 192. 193. 194. 195. 196. 197. 198. 199. 200. 201. 202. 203. 204. 205. 206. 207. 208. 209. 210. 211. 212. 213. 214. 215. 216. 217. 218. 219. 220. 221. 222. 223. 224. 225. 226. 227. 228. 229. 230. 231. 232. 233. 234. 235. 236. 237. 238. 239. 240. 241. 242. 243. 244. 245. 246. 247. 248. 249. 250. 251. 252. 253. 254. 255. 256. 257. 258. 259. 260. 261. 262. 263. 264. 265. 266. 267. 268. 269. 270. 271. 272. 273. 274. 275. 276. 277. 278. 279. 280. 281. 282. 283. 284. 285. 286. 287. 288. 289. 290. 291. 292. 293. 294. 295. 296. 297. 298. 299. 300. 301. 302. 303. 304. 305. 306. 307. 308. 309. 310. 311. 312. 313. 314. 315. 316. 317. 318. 319. 320. 321. 322. 323. 324. 325. 326. 327. 328. 329. 330. 331. 332. 333. 334. 335. 336. 337. 338. 339. 340. 341. 342. 343. 344. 345. 346. 347. 348. 349. 350. 351. 352. 353. 354. 355. 356. 357. 358. 359. 360. 361. 362. 363. 364. 365. 366. 367. 368. 369. 370. 371. 372. 373. 374. 375. 376. 377. 378. 379. 380. 381. 382. 383. 384. 385. 386. 387. 388. 389. 390. 391. 392. 393. 394. 395. 396. 397. 398. 399. 400. 401. 402. 403. 404. 405. 406. 407. 408. 409. 410. 411. 412. 413. 414. 415. 416. 417. 418. 419. 420. 421. 422. 423. 424. 425. 426. 427. 428. 429. 430. 431. 432. 433. 434. 435. 436. 437. 438. 439. 440. 441. 442. 443. 444. 445. 446. 447. 448. 449. 450. 451. 452. 453. 454. 455. 456. 457. 458. 459. 460. 461. 462. 463. 464. 465. 466. 467. 468. 469. 470. 471. 472. 473. 474. 475. 476. 477. 478. 479. 480. 481. 482. 483. 484. 485. 486. 487. 488. 489. 490. 491. 492. 493. 494. 495. 496. 497. 498. 499. 500. 501. 502. 503. 504. 505. 506. 507. 508. 509. 510. 511. 512. 513. 514. 515. 516. 517. 518. 519. 520. 521. 522. 523. 524. 525. 526. 527. 528. 529. 530. 531. 532. 533. 534. 535. 536. 537. 538. 539. 540. 541. 542. 543. 544. 545. 546. 547. 548. 549. 550. 551. 552. 553. 554. 555. 556. 557. 558. 559. 560. 561. 562. 563. 564. 565. 566. 567. 568. 569. 570. 571. 572. 573. 574. 575. 576. 577. 578. 579. 580. 581. 582. 583. 584. 585. 586. 587. 588. 589. 590. 591. 592. 593. 594. 595. 596. 597. 598. 599. 600. 601. 602. 603. 604. 605. 606. 607. 608. 609. 610. 611. 612. 613. 614. 615. 616. 617. 618. 619. 620. 621. 622. 623. 624. 625. 626. 627. 628. 629. 630. 631. 632. 633. 634. 635. 636. 637. 638. 639. 640. 641. 642. 643. 644. 645. 646. 647. 648. 649. 650. 651. 652. 653. 654. 655. 656. 657. 658. 659. 660. 661. 662. 663. 664. 665. 666. 667. 668. 669. 670. 671. 672. 673. 674. 675. 676. 677. 678. 679. 680. 681. 682. 683. 684. 685. 686. 687. 688. 689. 690. 691. 692. 693. 694. 695. 696. 697. 698. 699. 700. 701. 702. 703. 704. 705. 706. 707. 708. 709. 710. 711. 712. 713. 714. 715. 716. 717. 718. 719. 720. 721. 722. 723. 724. 725. 726. 727. 728. 729. 730. 731. 732. 733. 734. 735. 736. 737. 738. 739. 740. 741. 742. 743. 744. 745. 746. 747. 748. 749. 750. 751. 752. 753. 754. 755. 756. 757. 758. 759. 760. 761. 762. 763. 764. 765. 766. 767. 768. 769. 770. 771. 772. 773. 774. 775. 776. 777. 778. 779. 780. 781. 782. 783. 784. 785. 786. 787. 788. 789. 790. 791. 792. 793. 794. 795. 796. 797. 798. 799. 800. 801. 802. 803. 804. 805. 806. 807. 808. 809. 810. 811. 812. 813. 814. 815. 816. 817. 818. 819. 820. 821. 822. 823. 824. 825. 826. 827. 828. 829. 830. 831. 832. 833. 834. 835. 836. 837. 838. 839. 840. 84

(PLEASE PRINT ALL REQUIRED INFORMATION)

| LICENSEE NAME | | | | | | LICENSE NUMBER | | | | | | LICENSE TYPE | | | | | EVENT TYPE | | | | | | | |
|---------------|---|---|---|---|---|----------------|----|---|---|---|---|--------------|---|---|---|----|------------|---|---|---|---|----|----|----|
| 01 | M | N | M | N | P | 1 | 0 | 0 | - | 0 | 0 | 0 | 0 | - | 0 | 0 | 4 | 1 | 1 | 1 | 1 | 0 | 3 | |
| 7 | 8 | 9 | | | | 14 | 15 | | | | | | | | | 25 | 26 | | | | | 30 | 31 | 32 |

| CONT | | CATEGORY | | REPORT TYPE | REPORT SOURCE | DOCKET NUMBER | | | | | | EVENT DATE | | | | | REPORT DATE | | | | | | | | |
|------|---|----------|--|-------------|---------------|---------------|----|---|---|---|---|------------|----|----|---|---|-------------|---|---|---|----|----|---|---|----|
| 01 | | | | L | L | 0 | 5 | 0 | - | 0 | 2 | 6 | 3 | 0 | 8 | 2 | 8 | 7 | 7 | 0 | 9 | 2 | 7 | 7 | 7 |
| 7 | 8 | | | 57 | 58 | 59 | 60 | | | | | | 68 | 69 | | | | | | | 74 | 75 | | | 80 |

EVENT DESCRIPTION

| | | |
|----|--|----|
| 02 | During test, MO-2013, "B" RHR injection valve failed to open. "A" RHR system oper- | 80 |
| 03 | able at time of occurrence. One previous similar occurrence. Control relays in- | 80 |
| 04 | stalled in breaker to reduce control wire voltage drop. (M-R0-77-22). | 80 |
| 05 | | 80 |
| 06 | | 80 |

| SYSTEM CODE | | CAUSE CODE | | COMPONENT CODE | | | | | PRIME COMPONENT SUPPLIER | COMPONENT MANUFACTURER | | | | VIOLATION | | |
|-------------|---|------------|----|----------------|----|---|---|---|--------------------------|------------------------|----|---|---|-----------|----|----|
| 0 | 7 | S | F | B | C | K | T | B | R | K | A | G | 0 | 8 | 0 | N |
| 7 | 8 | 9 | 10 | 11 | 12 | | | | 17 | 43 | 44 | | | | 47 | 48 |

CAUSE DESCRIPTION

| | | |
|-------|--|----|
| 08 | A GE 7700 line motor control center "open" contactor did not close as required | 80 |
| 7 8 9 | | |
| 09 | when given "open" signal. Control wire voltage drop during open signal prevented | 80 |
| 7 8 9 | | |
| 10 | slightly worn contactor from closing. Control wire for this valve approximately | 80 |
| 7 8 9 | | 60 |

| FACILITY STATUS | | % POWER | | | OTHER STATUS | | METHOD OF DISCOVERY | | DISCOVERY DESCRIPTION | |
|-----------------|---|---------|----|----|--------------|----|---------------------|----|-----------------------|----|
| 1 | 1 | E | 0 | 9 | 5 | NA | B | NA | | |
| 7 | 8 | 9 | 10 | 11 | 12 | 13 | 44 | 45 | 46 | 80 |

| FORM OF ACTIVITY RELEASED | | CONTENT OF RELEASE | | AMOUNT OF ACTIVITY | | LOCATION OF RELEASE | |
|---------------------------|---|--------------------|----|--------------------|----|---------------------|----|
| 1 | 2 | Z | Z | NA | | NA | |
| 7 | 8 | 9 | 10 | 11 | 44 | 45 | 80 |

PERSONNEL EXPOSURES

| NUMBER | | | TYPE | DESCRIPTION |
|--------|---|---|------|-------------|
| 13 | 0 | 0 | 0 | Z NA |

PERSONNEL INJURIES

| NUMBER | | | | DESCRIPTION | |
|--------|---|---|---|-------------|----|
| 1 | 4 | 0 | 0 | 0 | NA |

OFFSITE CONSEQUENCES

| | |
|----|----|
| 15 | NA |
|----|----|

LOSS OR DAMAGE TO FACILITY

| TYPE | | | DESCRIPTION |
|------|---|---|-------------|
| 1 | 6 | Z | NA |

PUBLICITY

| | |
|----|----|
| 17 | NA |
|----|----|

ADDITIONAL FACTORS

18 (Cause Description Continued) twice as long as for other safety related valves.

| | | |
|----|--|----|
| 19 | Control relays installed in breaker to reduce control wire voltage drop. | 80 |
|----|--|----|

NAME: Dean D Tilly

PHONE: 612/295-5151