

SEP 8 1971

Docket No. 50-220

DISTRIBUTION:

✓ Docket File	Seets
DR Reading	CKBeck
DRL Reading	MMann
DJSkovholt	SHanauer
RHVollmer	RSchroeder
WDooly	RBoyd
REngelken (2)	RDeYoung
HKShapar	TRWilson
PDR	ACRS (3)
DLZiemann	DRL Branch Chiefs
RJSchemel	<i>Mr. Beranaga</i>
RDiggs	<i>Mr. Laine</i>
	<i>Herald Dinsley</i>

Niagara Mohawk Power Corporation
 ATTN: Thomas J. Brosnan
 Vice President and Chief Engineer
 300 Erie Boulevard West
 Syracuse, New York 13202

Gentlemen:

It has been of interest in the nuclear industry that in some reactors fueled with UO_2 , power changes may be followed by an increase in the iodine content in the primary coolant. Data taken at the Tsuruga power reactor from April to May 1970 indicate that following shutdown of the reactor, the I-131 concentration in the primary coolant increased temporarily by a factor of one hundred or more. In order to understand this phenomenon better, we request that you obtain measurements at the Nine Mile Point Nuclear Station of primary coolant samples, taken at a frequency consistent with changing operating parameters, e.g., variation in power level and primary coolant cleanup. Samples taken from just before shutdown until the iodine content in the primary system levels off would also be important.

We plan to discuss this potential problem at a meeting in our Bethesda office on September 23, 1971. We request that you send a representative and provide any pertinent data you might have.

Sincerely,

Original signed by
 F. Schroeder

Peter A. Morris
 Peter A. Morris, Director
 Division of Reactor Licensing

cc: Arvin E. Upton, Esquire
 LeBoeuf, Lamb, Leiby and MacRae
 1821 Jefferson Place, N. W.
 Washington, D. C. 20036

CRESS T4003 & 4004	OFFICE ▶	DRL	DRL	DGC	DRL	DRL
SURNAME ▶		<i>RVollmer:mlm</i>	<i>DJSkovholt</i>		<i>FSchroeder</i>	<i>PAMorris</i>
DATE ▶		<i>9/7/71</i>	<i>9/7/71</i>	<i>9/7/71</i>	<i>9/7/71</i>	<i>89/7/71</i>

LB

...
...
...

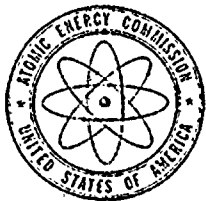
35. 1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30. 31. 32. 33. 34. 35. 36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50. 51. 52. 53. 54. 55. 56. 57. 58. 59. 60. 61. 62. 63. 64. 65. 66. 67. 68. 69. 70. 71. 72. 73. 74. 75. 76. 77. 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

[illegible][illegible]

(The following information was obtained from the Bureau of Census file maintained by the Social Security Administration.)

1978 1979 1980

[illegible][illegible][illegible]



UNITED STATES
ATOMIC ENERGY COMMISSION
WASHINGTON, D.C. 20545

SEP 8 - 1971

Docket No. 50-220

Niagara Mohawk Power Corporation
ATTN: Thomas J. Brosnan
Vice President and Chief Engineer
300 Erie Boulevard West
Syracuse, New York 13202

Gentlemen:

It has been of interest in the nuclear industry that in some reactors fueled with UO_2 , power changes may be followed by an increase in the iodine content in the primary coolant. Data taken at the Tsuruga power reactor from April to May 1970 indicate that following shutdown of the reactor, the I-131 concentration in the primary coolant increased temporarily by a factor of one hundred or more. In order to understand this phenomenon better, we request that you obtain measurements at the Nine Mile Point Nuclear Station of primary coolant samples, taken at a frequency consistent with changing operating parameters, e.g., variation in power level and primary coolant cleanup. Samples taken from just before shutdown until the iodine content in the primary system levels off would also be important.

We plan to discuss this potential problem at a meeting in our Bethesda office on September 23, 1971. We request that you send a representative and provide any pertinent data you might have.

Sincerely,

A handwritten signature in dark ink, appearing to read "Peter A. Morris", is written over a horizontal line.

Peter A. Morris, Director
Division of Reactor Licensing

cc: Arvin E. Upton, Esquire
LeBoeuf, Lamb, Leiby and MacRae
1821 Jefferson Place, N. W.
Washington, D. C. 20036

