

# REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR: 8508270185 DOC. DATE: 85/08/22 NOTARIZED: NO DOCKET #  
 FACIL: 50-397 WPPSS Nuclear Project, Unit 2, Washington Public Powe 05000397  
 AUTH. NAME: SORENSEN, G.C. AUTHOR AFFILIATION: Washington Public Power Supply System  
 RECIP. NAME: BUTLER, W.R. RECIPIENT AFFILIATION: Licensing Branch 2

SUBJECT: Submits status rept on environ qualification of equipment per Amend 8 to License NPF-21. Installation of necessary equipment completed during spring maint outage. All equipment listed in amend, except two motor operators, replaced.

DISTRIBUTION CODE: A048D COPIES RECEIVED: LTR 1 ENCL 0 SIZE: 1  
 TITLE: OR/Licensing Submittal: Equipment Qualification

NOTES: OL: 12/20/83 05000397

	RECIPIENT ID CODE/NAME		COPIES LTTR ENCL		RECIPIENT ID CODE/NAME		COPIES LTTR ENCL
	NRR LB2 BC	12	1		BRADFUTE, J	01	1
INTERNAL:	ACRS	15	8		ADM/LFMB		1
	ELD/HDS2	12	1		ELD SHIELDS, W		1
	GC	13	1		NRR KARSCH, R		1
	NRR/DE/EQB	07	2		NRR/DI DIR	14	1
	NRR/DSI/AEB		1		REG FILE	04	1
	RGN5		1				
EXTERNAL:	24X		1		LPDR	03	1
	NRC PDR	02	1		NSIC	05	1

TOTAL NUMBER OF COPIES REQUIRED: LTTR 25 ENCL 0

The following information was obtained from the records of the  
 Department of the Interior, Bureau of Land Management, on the  
 subject of the land owned by the United States in the  
 State of California, and the same is hereby published for the  
 information of the public.

The land is situated in the County of [illegible] State of California, and is  
 more particularly described as follows:

[illegible]

Section	Township	Range	Section
1	1	1	1
2	1	1	2
3	1	1	3
4	1	1	4
5	1	1	5
6	1	1	6
7	1	1	7
8	1	1	8
9	1	1	9
10	1	1	10
11	1	1	11
12	1	1	12
13	1	1	13
14	1	1	14
15	1	1	15
16	1	1	16
17	1	1	17
18	1	1	18
19	1	1	19
20	1	1	20
21	1	1	21
22	1	1	22
23	1	1	23
24	1	1	24
25	1	1	25
26	1	1	26
27	1	1	27
28	1	1	28
29	1	1	29
30	1	1	30
31	1	1	31
32	1	1	32
33	1	1	33
34	1	1	34
35	1	1	35
36	1	1	36
37	1	1	37
38	1	1	38
39	1	1	39
40	1	1	40
41	1	1	41
42	1	1	42
43	1	1	43
44	1	1	44
45	1	1	45
46	1	1	46
47	1	1	47
48	1	1	48
49	1	1	49
50	1	1	50
51	1	1	51
52	1	1	52
53	1	1	53
54	1	1	54
55	1	1	55
56	1	1	56
57	1	1	57
58	1	1	58
59	1	1	59
60	1	1	60
61	1	1	61
62	1	1	62
63	1	1	63
64	1	1	64
65	1	1	65
66	1	1	66
67	1	1	67
68	1	1	68
69	1	1	69
70	1	1	70
71	1	1	71
72	1	1	72
73	1	1	73
74	1	1	74
75	1	1	75
76	1	1	76
77	1	1	77
78	1	1	78
79	1	1	79
80	1	1	80
81	1	1	81
82	1	1	82
83	1	1	83
84	1	1	84
85	1	1	85
86	1	1	86
87	1	1	87
88	1	1	88
89	1	1	89
90	1	1	90
91	1	1	91
92	1	1	92
93	1	1	93
94	1	1	94
95	1	1	95
96	1	1	96
97	1	1	97
98	1	1	98
99	1	1	99
100	1	1	100

## Washington Public Power Supply System

P.O. Box 968 3000 George Washington Way Richland, Washington 99352 (509) 372-5000

August 22, 1985  
G02-85-485

8508270185 850822  
PDR ADOCK 05000397  
P PDR

Docket No. 50-397

Director of Nuclear Reactor Regulation  
Attention: Mr. W. R. Butler, Chief  
Licensing Branch No. 2  
Division of Licensing  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555

Dear Mr. Butler:

Subject: NUCLEAR PLANT NO. 2  
EQUIPMENT QUALIFICATION STATUS REPORT

Reference: Letter dated March 28, 1985, A. Schwencer to G. C. Sorensen,  
"Issuance of Amendment No. 8 to Facility Operating License  
NPF-21"

The NRC granted the Supply System a limited extension to the March 31, 1985, deadline for equipment environmental qualification. The extension allowed deferral of replacement of a specific list of equipment and deferral of completion of LPRM documentation until November 1985.

We completed installation of the necessary replacement equipment during our spring maintenance outage. All equipment listed in the Amendment, except for the two motor operators, has been replaced with qualified equipment. The two motor operators have been blocked to reduce their stroke times; they need not be replaced until a convenient outage.

The effort to complete documentation of LPRM components is proceeding toward a November or sooner completion.

If you have any questions regarding this status report, please feel free to contact Mr. P. Powell, WNP-2 Licensing Manager.

Very truly yours,



G. C. Sorensen, Manager  
Regulatory Programs

KRW/sms

cc: JO Bradfute - NRC  
WS Chin - BPA  
JB Martin - NRC RV  
E Revell - BPA  
NS Reynolds - BLCP&R  
AD Toth - NRC Site

A048  
1/0

August 22, 1985

DISTRIBUTION  
w/o enclosure  
Doc. Control 50-397  
LB#2 Reading  
EHylton (2)  
JBradfute

DOCKET NO(S). 50-397

Mr. G. C. Sorensen, Manager  
Washington Public Power System  
P.O. Box 968  
3000 George Washington Way  
Richland, Washington 99352  
SUBJECT:

The following documents concerning our review of the subject facility are transmitted for your information.

- ☐ Notice of Receipt of Application, dated \_\_\_\_\_.
- ☐ Draft/Final Environmental Statment, dated \_\_\_\_\_.
- ☐ Notice of Availability of Draft/Final Environmental Statement, dated \_\_\_\_\_.
- ☐ Safety Evaluation Report, or Supplement No. \_\_\_\_\_, dated \_\_\_\_\_.
- ☐ Notice of Hearing on Application for Construction Permit, dated \_\_\_\_\_.
- ☐ Notice of Consideration of Issuance of Facility Operating License, dated \_\_\_\_\_.
- ☒ Monthly Notice; Applications and Amendments to Operating Licenses Involving no Significant Hazards Considerations, dated July 31, 1985 and August 14, 1985.
- ☐ Application and Safety Analysis Report, Volume \_\_\_\_\_.
- ☐ Amendment No. \_\_\_\_\_ to Application/SAR dated \_\_\_\_\_.
- ☐ Construction Permit No. CPPR- \_\_\_\_\_, Amendment No. \_\_\_\_\_ dated \_\_\_\_\_.
- ☐ Facility Operating License No. \_\_\_\_\_, Amendment No. \_\_\_\_\_, dated \_\_\_\_\_.
- ☐ Order Extending Construction Completion Date, dated \_\_\_\_\_.
- ☐ Other (Specify) \_\_\_\_\_

Office of Nuclear Reactor Regulation.

Enclosures:  
As stated

cc: See next page

OFFICE>	LB#2/DI						
SURNAME>	EHylton						
DATE>	08/27/85						

[illegible]

... ..

Figure 1 shows a 3D scatter plot of 1000 simulated data points. The points are distributed in a three-dimensional space with axes labeled x, y, and z. The distribution is roughly spherical, centered around the origin, with some points extending along the x and y axes.

Figure 1 consists of 12 micrographs labeled (a) through (l), arranged in two rows of six. The top row (a-f) shows the early stages of embryonic development: (a) a single-cell fertilized egg, (b) a two-cell stage, (c) a four-cell stage, (d) an eight-cell stage, (e) a morula stage, and (f) a blastula stage. The bottom row (g-l) shows later stages: (g) a gastrula stage, (h) a neurula stage, (i) a tail bud stage, (j) a hatching stage, (k) a hatched larva, and (l) another hatched larva. The images show the progression from a single cell to a complex, segmented larva with a visible tail.

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

•