

LICENSEE EVENT REPORT

CONTROL BLOCK:

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
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 (PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

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EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

During normal operation while regenerating a makeup water mixed bed demineralizer approximately 144 gallons of caustic solution (50 wt%) (6% dilution) neutralized by 74 gallons of acid (99 wt%) (10% dilution) were discharged via outfall 001. Outfall 001 discharge conduit provided dilution flow for the event at a rate of 1.63E09 gpd. No environmental impact is considered due to the small amount of regenerant chemical actually discharged in relation to the dilution flow rate.

0	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
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CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

Cause has been determined to be personnel error. Immediate corrective action involved re-instructing affected personnel in the proper operation of the neutralization tank. Additional corrective action involved the promulgation of a valve checklist that will serve as an addendum to the operational procedure.

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NAME OF PREPARER R. F. Eherts

PHONE (301) 234-7941

NRC USE ONLY

7910010312

1065 141

LER NO. 79-42/4T
EVENT DATE 9-11-79
REPORT DATE 9-25-79
DOCKET NO. 50-317
ATTACHMENT

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES:

NOTE: The actual amount of regenerant chemical discharged is the total amount of regenerant chemicals displaced from the appropriate storage day tanks minus the losses due to in-situ neutralization. In-situ neutralization involves reduction in concentration from the regeneration process itself as well as acid-base reactions occurring in the combined discharge piping as a result of system design and procedures.

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS:

This checklist is in addition to previous procedural modifications that have been instituted prior to this event. The combined corrective action should serve to further minimize the possibility of a recurrence of this event.

POOR
ORIGINAL