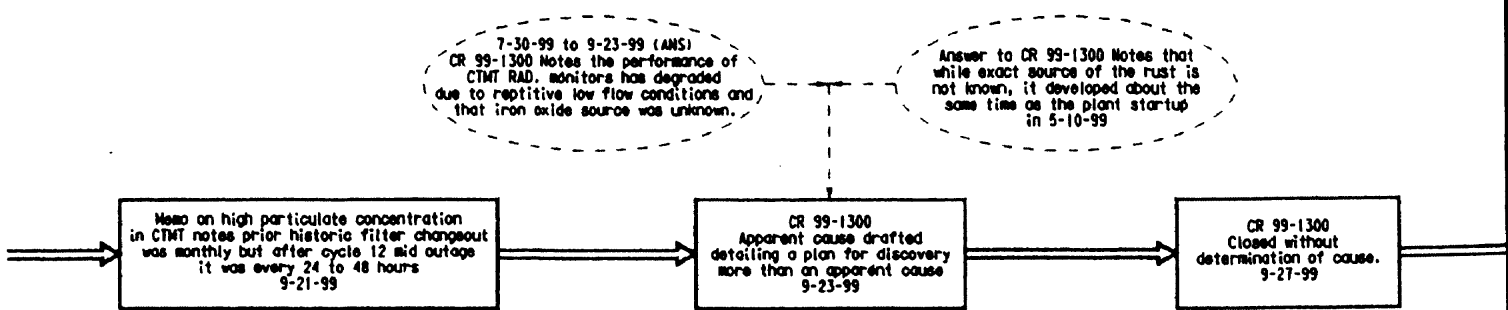


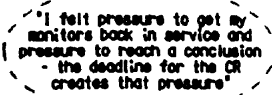
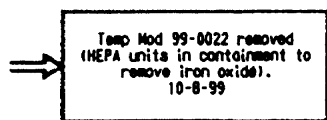
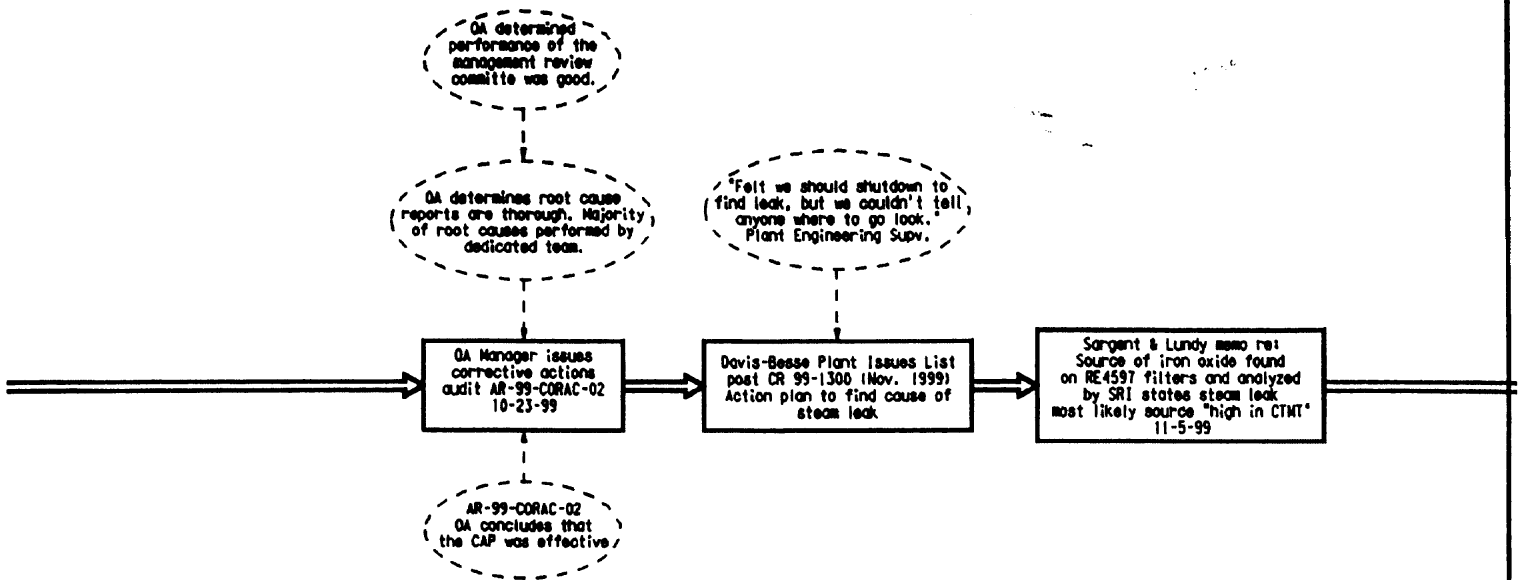
Figure 4, Summary of Events & Causal Factor Chart



LEGEND

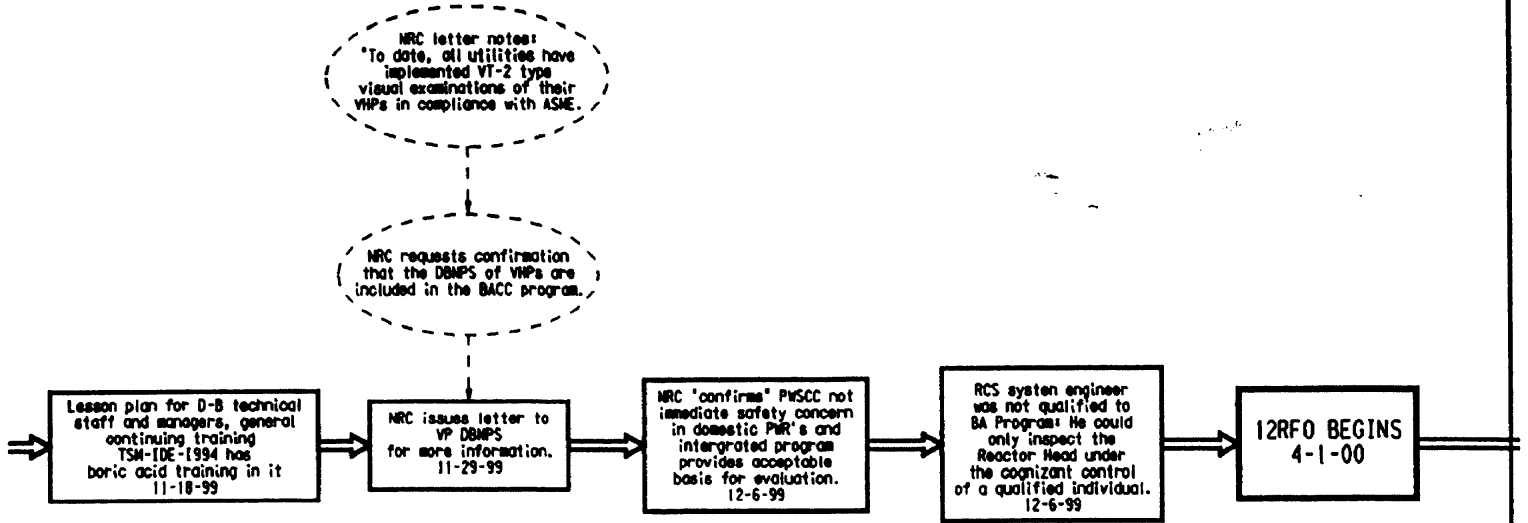
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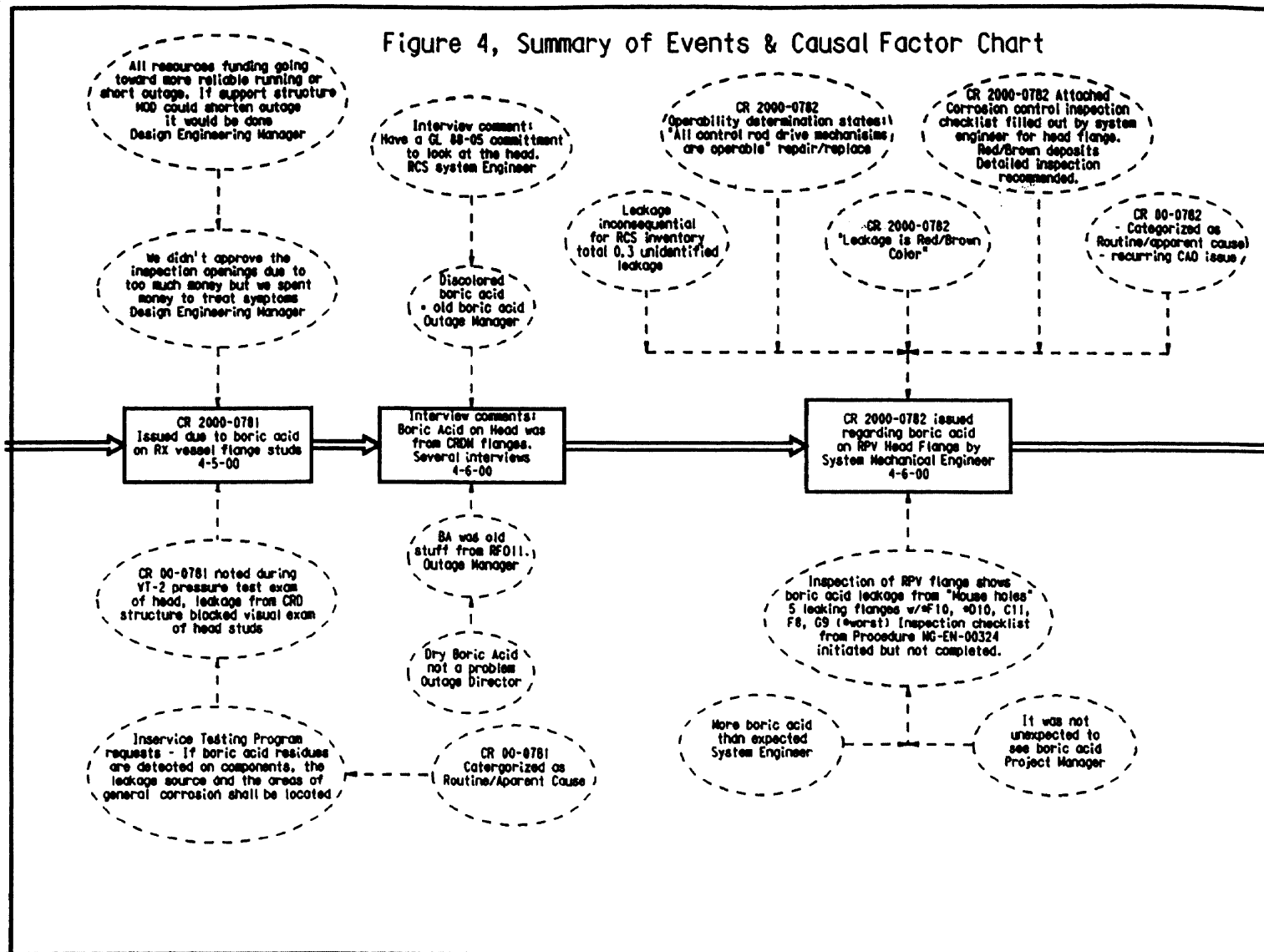
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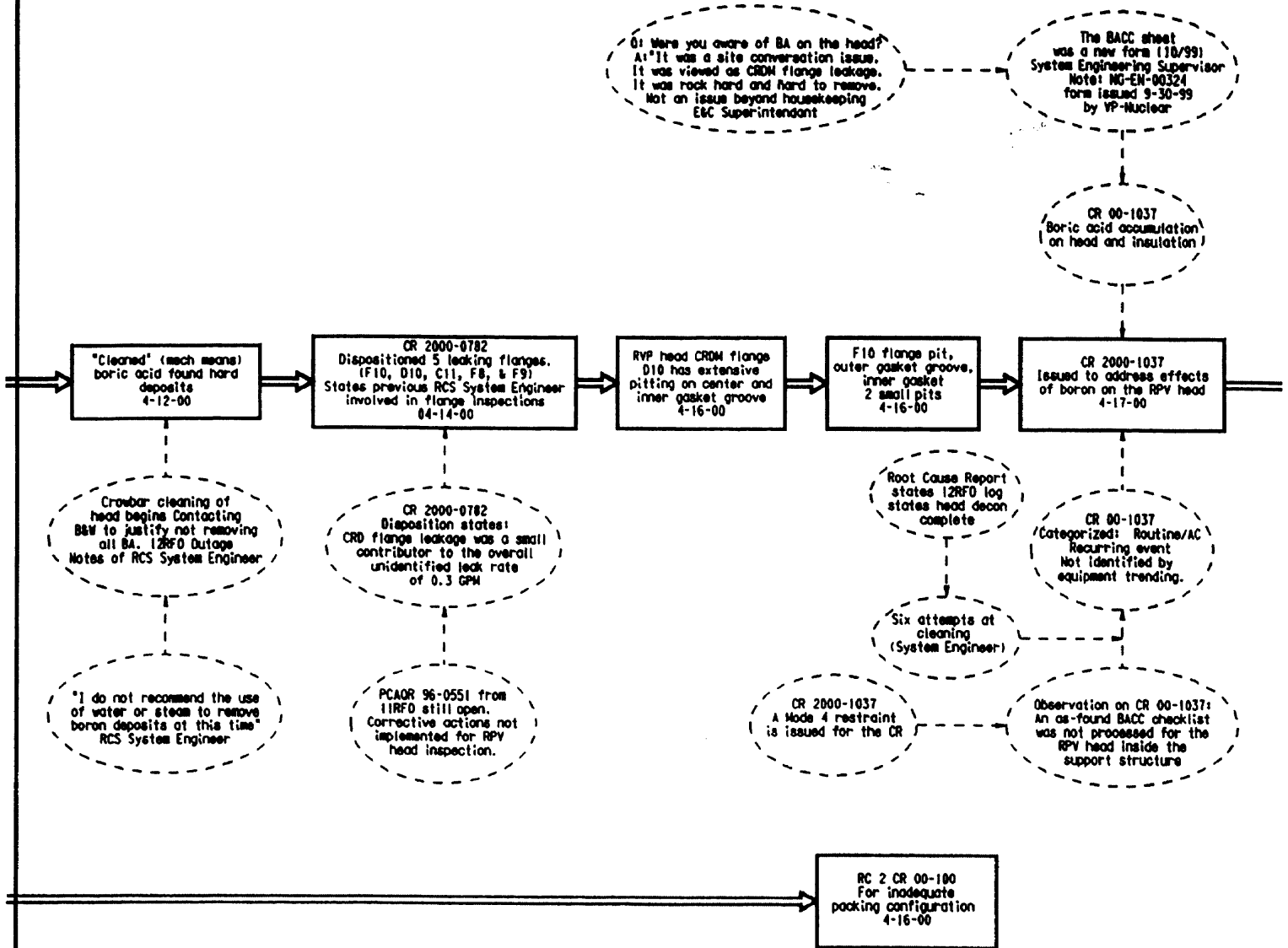
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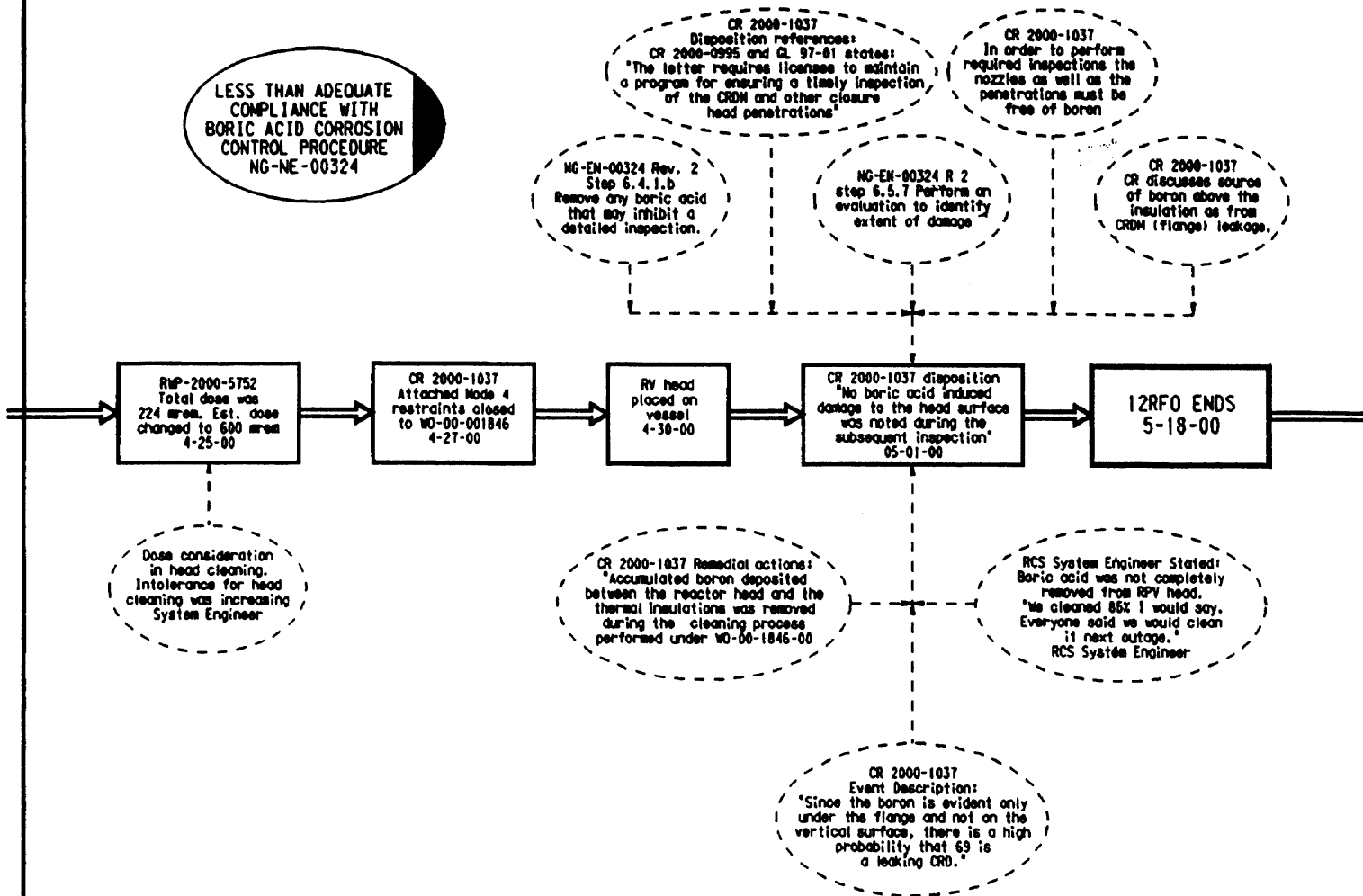
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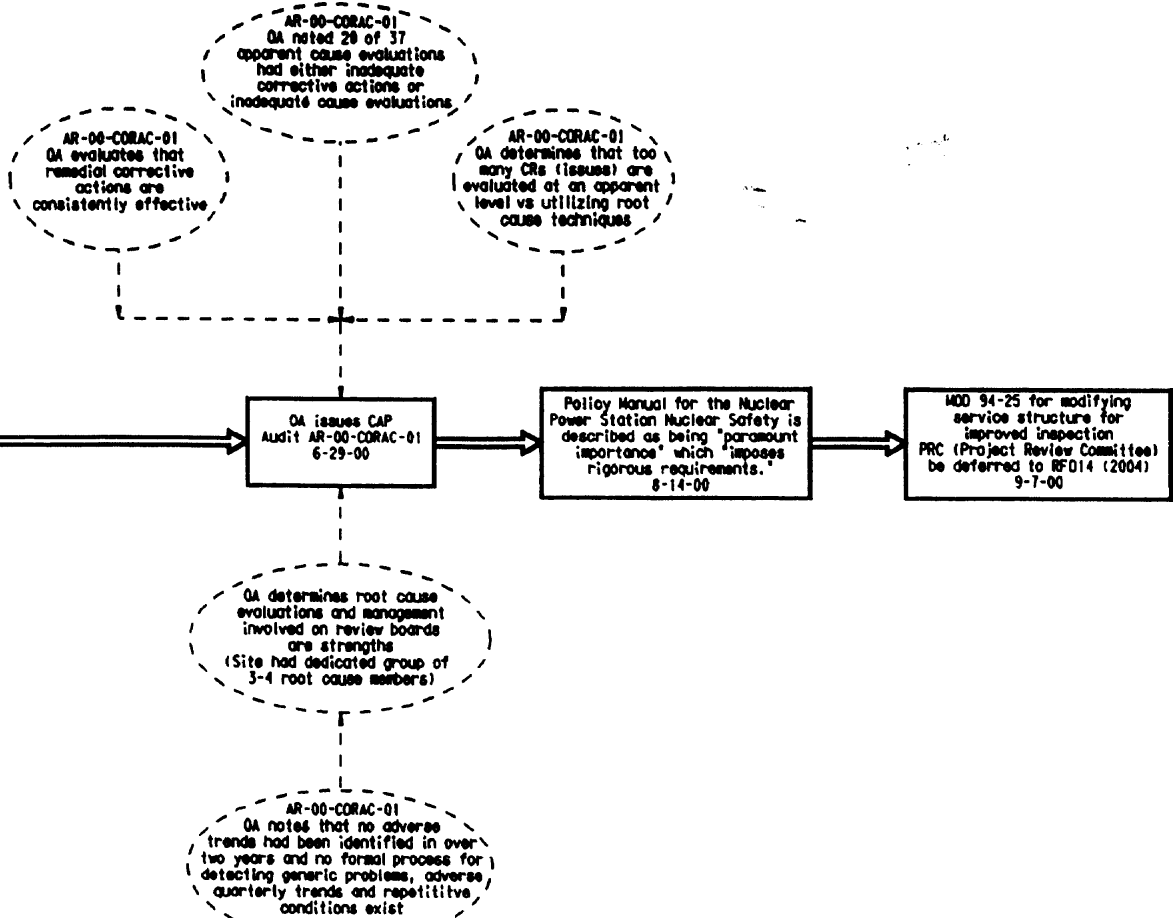
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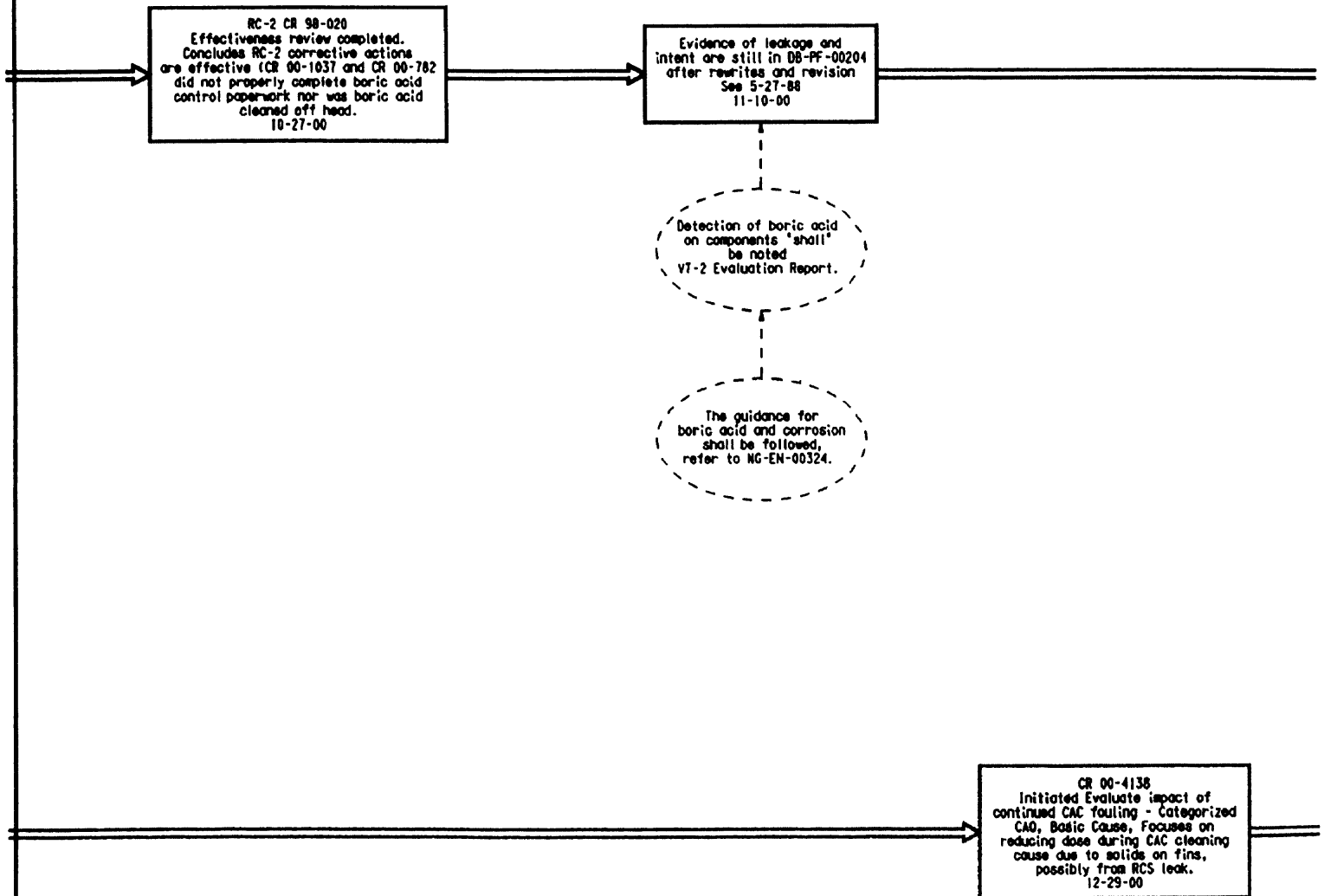


Issued CR 00-1547 on CAC plenum pressure decreasing following I2RF0
 Categorized: Routine/AC
 Corrective Action - clean coils
 Cause attributed to boric acid
 CACs cleaned - every 10 days until midcycle outage in 1999
 6-2-00

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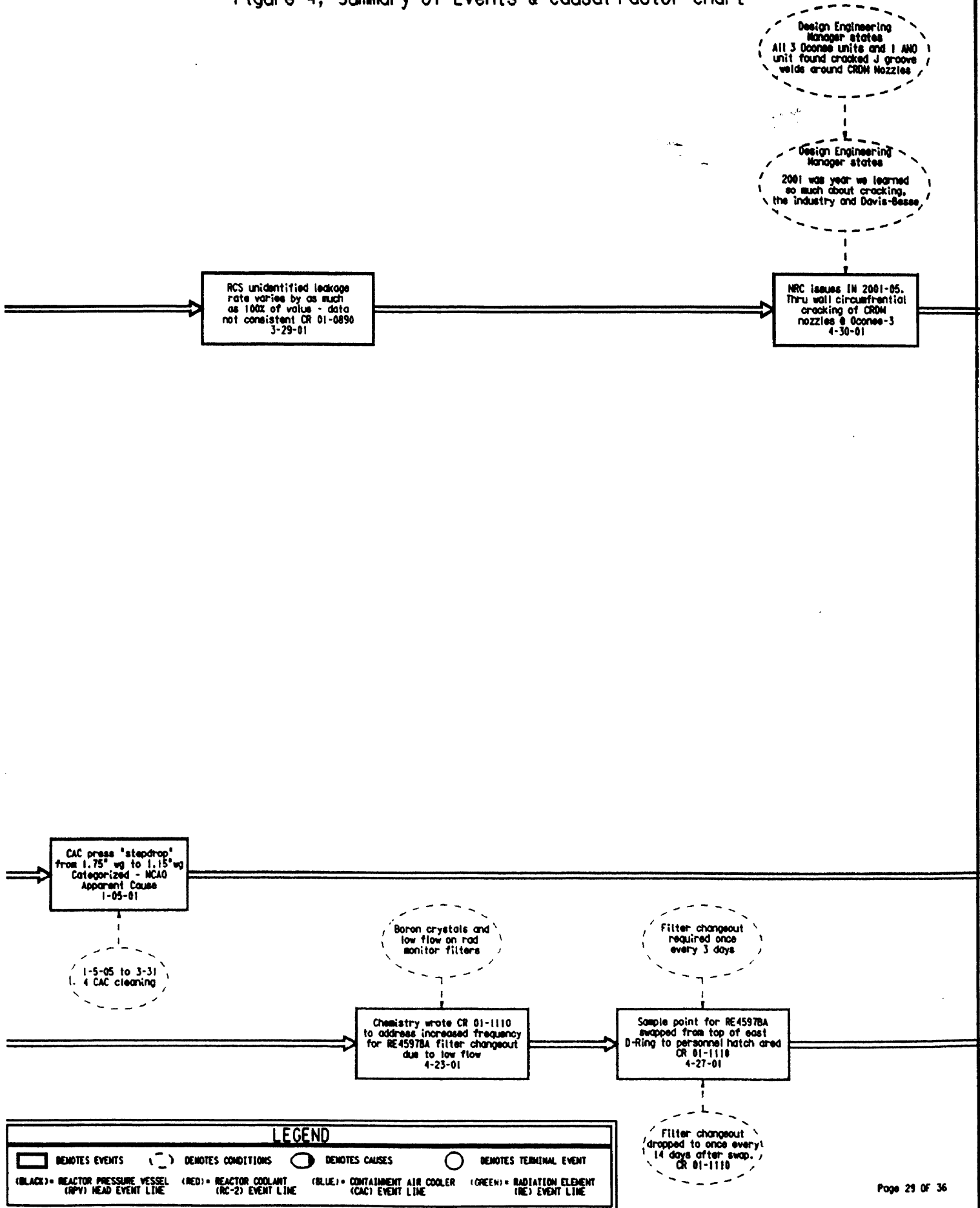
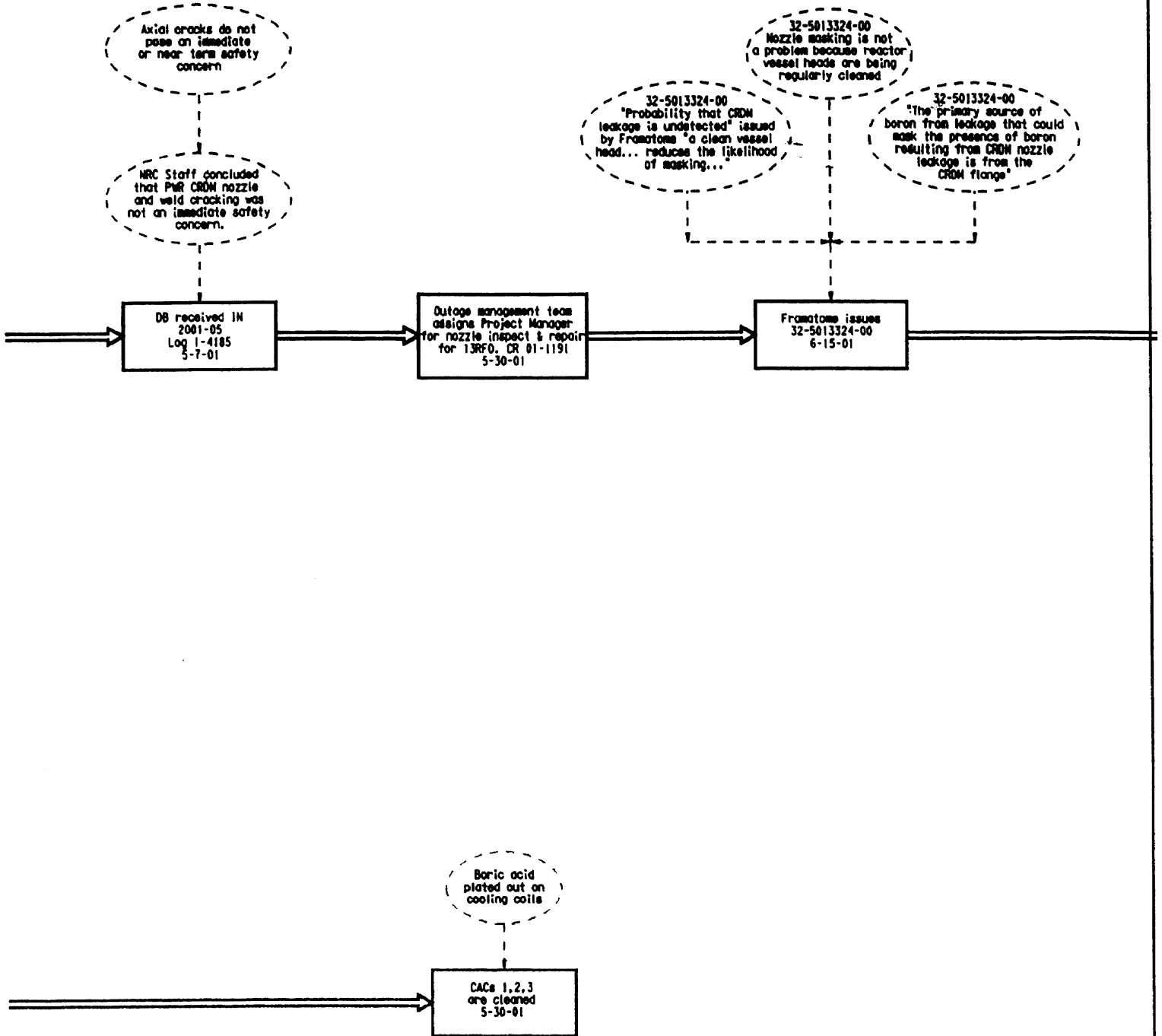


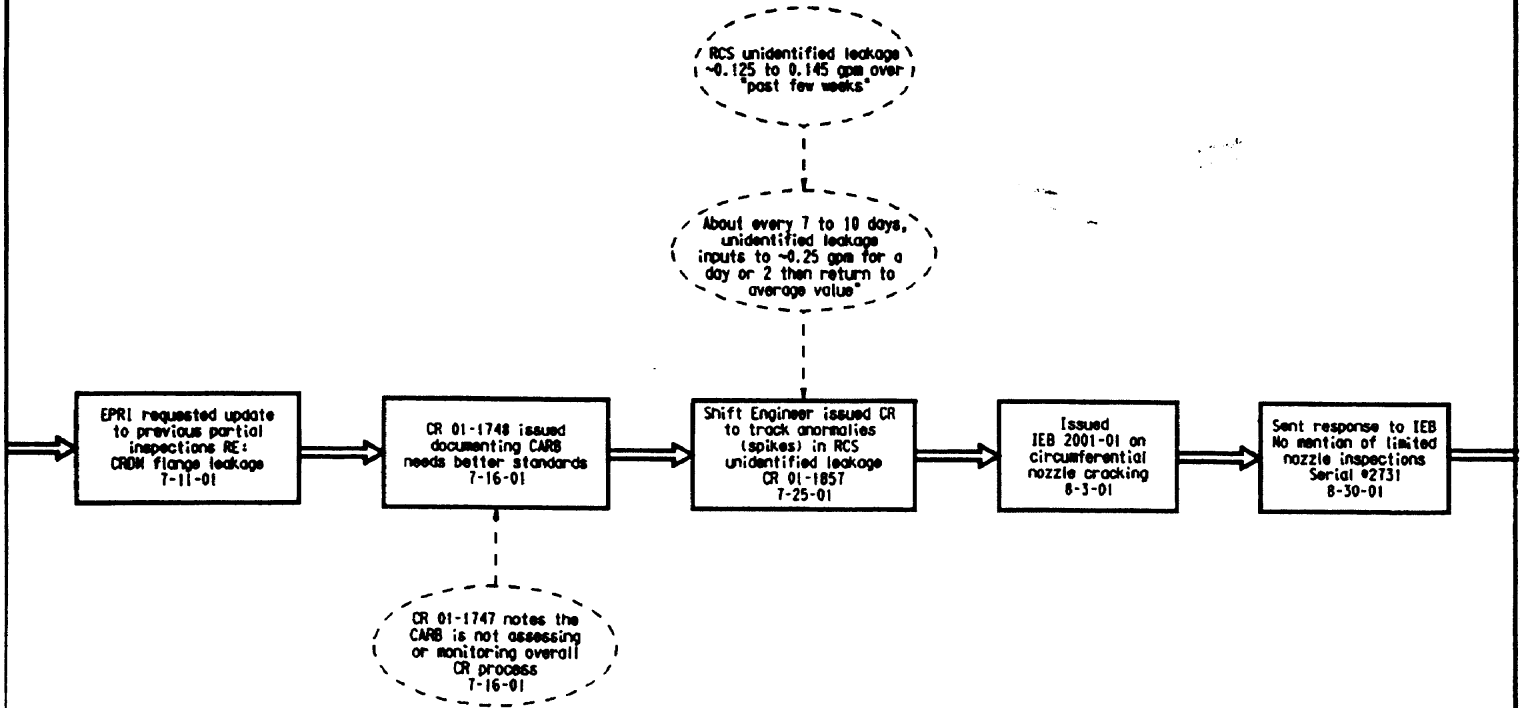
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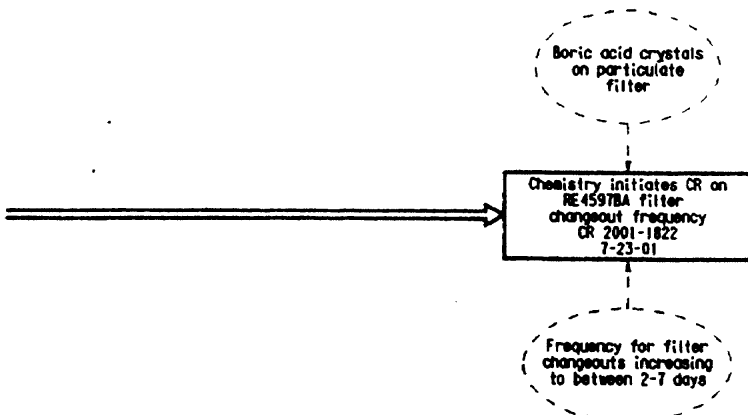
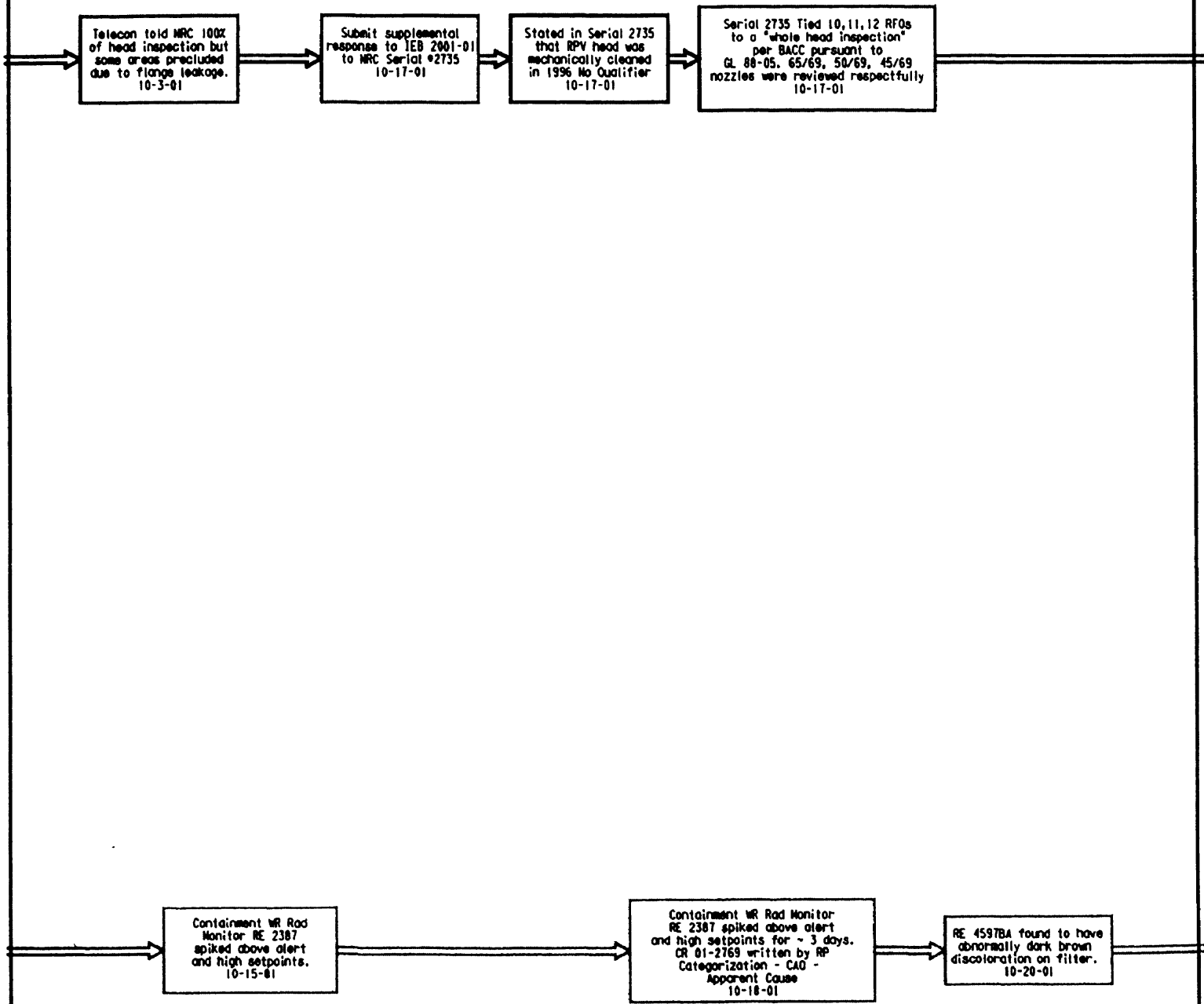


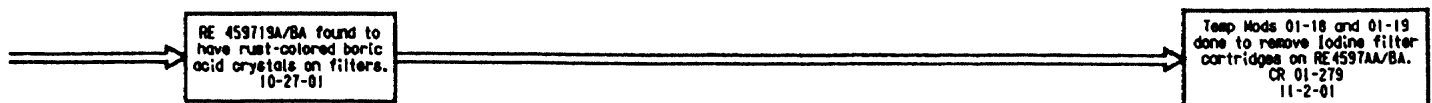
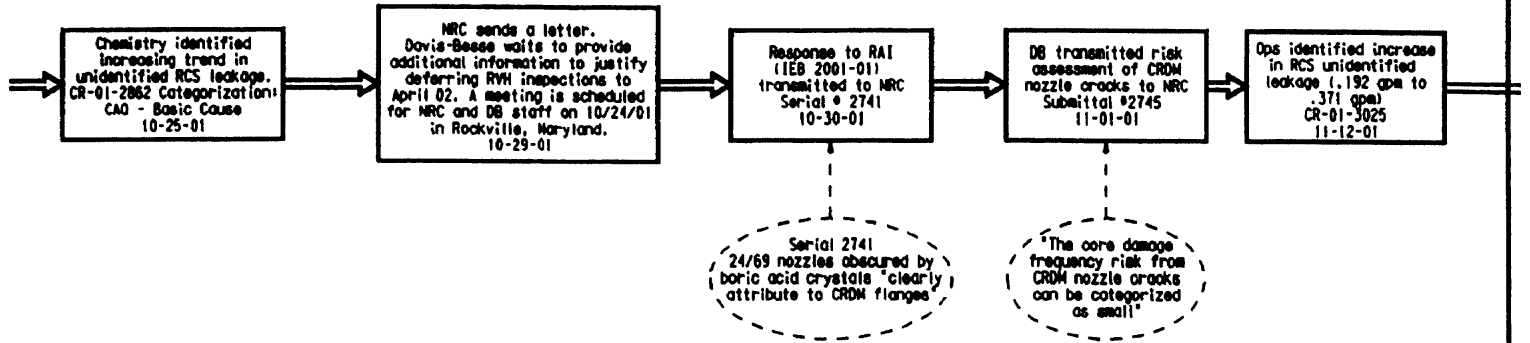
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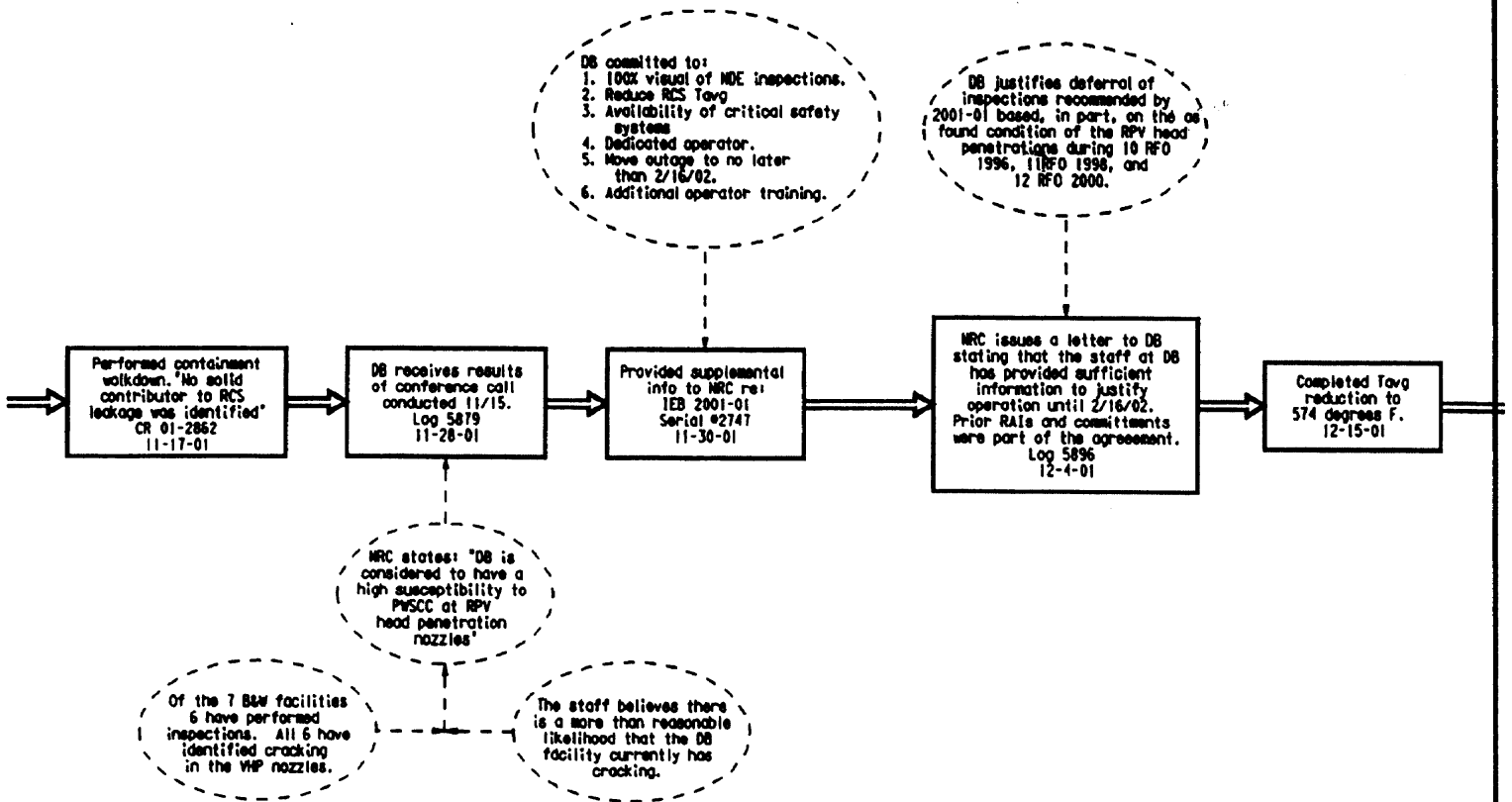
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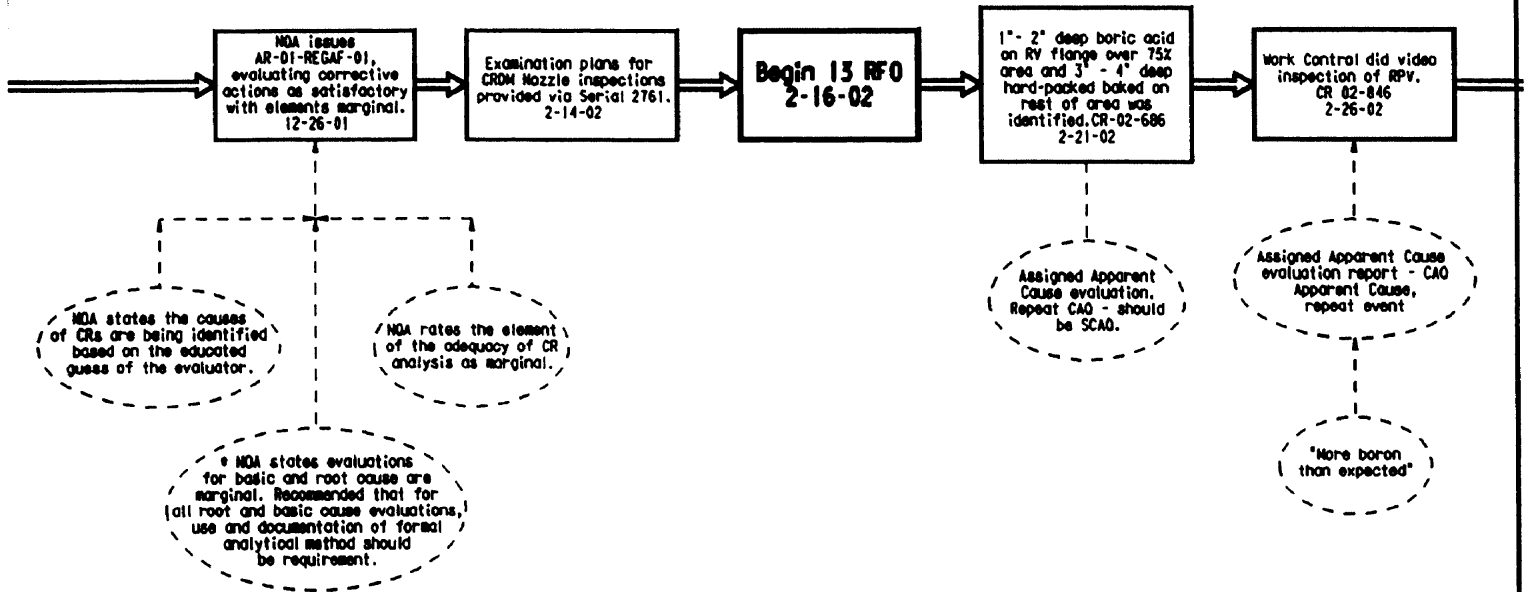
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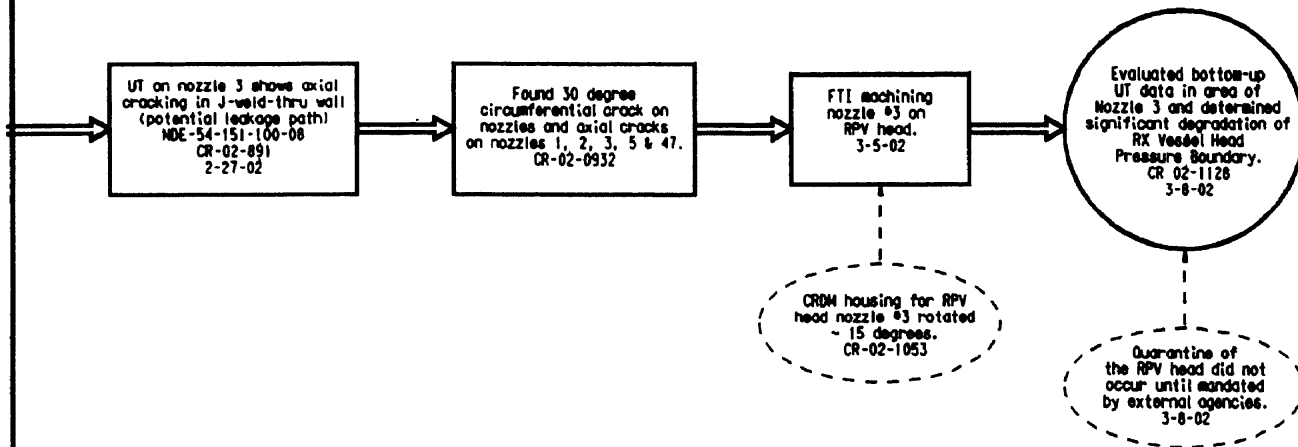
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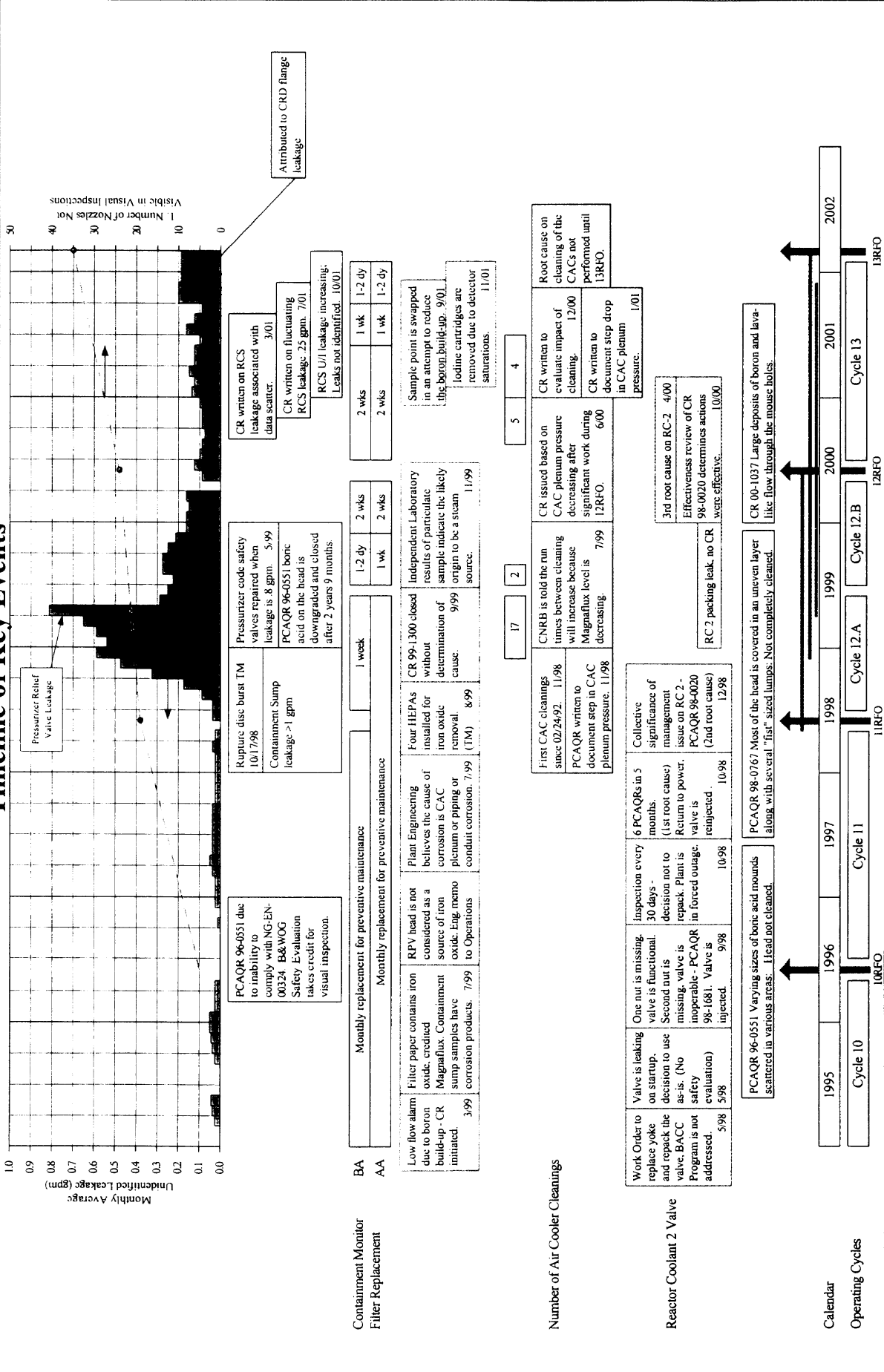
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Timeline of Key Events



1.0
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.0

Monthly Average Unidentified Leakage (gpm)

50
40
30
20
10
0

Number of Nozzles Not Visible in Visual Inspections

PCAQR 96-0551 due to inability to comply with NG-EN-00324 B&WOG Safety Evaluation takes credit for visual inspection.

Rupture disc burst TM 10/17/98
Containment Sump leakage > 1 gpm
Pressurizer code safety valves repaired when leakage is .8 gpm. 5/99
PCAQR 96-0551 boron acid on the head is downgraded and closed after 2 years 9 months

CR written on RCS leakage associated with data scatter. 3/01
CR written on fluctuating RCS leakage: 25 gpm. 7/01
RCS U/I leakage increasing: Leaks not identified. 10/01

Attributed to CRD flange leakage

Containment Monitor Filter Replacement

Monthly replacement for preventive maintenance

1 week

1-2 dy 1 wk 2 wks

2 wks 1 wk 1-2 dy

Low flow alarm due to boron build-up - CR initiated

Filter paper contains iron oxides, credited Magnaflux. Containment sump samples have corrosion products. 7/99

Plant Engineering believes the cause of corrosion is CAC plenum or piping or conduit corrosion. 7/99

CR 991300 closed without determination of iron oxide cause. 9/99

Sample point is swapped in an attempt to reduce the boron build-up. 9/01. Iodine cartridges are removed due to detector saturations. 11/01

Number of Air Cooler Cleanings

17 2 5 4

First CAC cleanings since 02/24/92. 11/98
PCAQR written to document step in CAC plenum pressure. 11/98
CNRB is told the run times between cleaning will increase because Magnaflux level is decreasing. 7/99
CR issued based on CAC plenum pressure decreasing after significant work during 12RFO. 6/00
CR written to evaluate impact of cleaning. 12/00
CR written to document step drop in CAC plenum pressure. 1/01
Root cause: on cleaning of the CACs not performed until 13RFO.

Reactor Coolant 2 Valve

Work Order to replace yoke and repack the valve. BACC as-is. (No safety evaluation) addressed. 5/98
One nut is missing, valve is functional. 9/98
Second nut is missing, valve is inoperable - PCAQR 98-1681. Valve is injected. 9/98
6 PCAQRs in 5 months. (1st root cause) Return to power. valve is re-injected. 10/98
Collective significance of management issue on RC 2 - PCAQR 98-0020 (2nd root cause) 12/98

3rd root cause on RC-2. 4/00
Effectiveness review of CR 98-0020 determines actions were effective. 10/00
RC 2 packing leak, no CR

PCAQR 96-0551 Varying sizes of boron acid mounds scattered in various areas. Head not cleaned.

CR 00-1037 Large deposits of boron and lava-like flow through the mouse holes.

Calendar

1995 1996 1997 1998 1999 2000 2001 2002

Operating Cycles

Cycle 10 Cycle 11 Cycle 12.A Cycle 12.B Cycle 13

10RFO

11RFO

12RFO

13RFO

Docket Number 50-346
License Number NPF-3
Serial Number 1-1286
Attachment
Page 1 of 1

COMMITMENT LIST

The following list identifies those actions committed to by the Davis-Besse Nuclear Power Station (DBNPS) in this document. Any other actions discussed in the submittal represent intended or planned actions the DBNPS. They are described only for information and are not regulatory commitments. Please notify the Manager - Regulatory Affairs (419-321-8450) at the DBNPS of any questions regarding this document or associated regulatory commitments.

COMMITMENTS

DUE DATE

None