RAS H-342

Vermont Yankee
Piping Flow Accelerated Corrosion (FAC)
Inspection Program

EPRI CHECWORKS WEAR RATE ANALYSIS RESULTS
Cycles 20 & 21

(CHECWORKS VERSION 1.0F Build 52)

FEEDWATER Cycle 21 Pass 2 (9/14/2000)---------27 pages

CONDENSATE Cycle 20 Pass 2 (9/7/2000)-------- 31 pages

1st Pt. HEATER DRAIN Cycle 20 Pass 1
(dated 6/13/2000)---------- 7 pages

2nd Pt. HEATER DRAIN Cycle 20 Pass 1
(dated 6/13/2000)---------- 3 pages

3rd Pt. HEATER DRAIN Cycle 20 Pass 1
(dated 6/13/2000)---------- 4 pages

4th Pt. HEATER DRAIN Cycle 20 Pass 1
(dated 6/13/2000)---------- 4 pages

5th Pt. HEATER DRAIN Cycle 20 Pass 1
(dated 6/13/2000)---------- 4 pages

Total = 81 pages (including cover sheet)

Template Seq-028

DS-03

DOCKETED
USNRC

August 12, 2008 (11:00am)

OFFICE OF SECRETARY
RULEMAKINGS AND
ADJUDICATIONS STAFF

U.S. NUCLEAR REGULATORY COMMISSION

In the Matter of Entergy Nuclear Vermont Yankee LLC

Docket No. 50-271 Official Exhibit No. E4-28-V4

OFFERED by: Applicant/Licensee Intervenor _____

NRC Staff Other _____

IDENTIFIED on 7/23/08 Witness/Panel NEC 4

Action Taken: ADMITTED REJECTED WITHDRAWN

Reporter/Clerk MAC

Company: Vermont Yankee Nuclear Power Corporation
Plant: Vermont Yankee
Unit:
DB Name: VY

Report Date: 25-OCT-2001 Time: 09:05:14
Analysis Date: 14-SEP-2000 Time: 10:21:56
CHECWORKS FAC Version 1.0F (Build 52)

FDW UP TO RFO 2001 W/ 1999 UTDATA

****
*** Wear Rate Analysis: Wear Rates/Input Data Report ***
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Run Name: Feedwater
Ending Period: CYCLE 21 UP TO 2001 RFO (CYCLE 21)
Total Plant Operating Hours: 195496
WRA Data Option: Ignore NFA
Line Correction Factor: 0.891

Duty Factor (Global): 1.000
Exclude Measure Wear: No

Component Name	Geom. Code	Average Wear Rate (mils/year)	Current Wear Rate (mils/year)	Temp. (F)	Velocity (ft/s)	Steam Quality	Diameter (in)
===>Grouped by Line: 001-16"-FDW-01, No Sorting.							
OUTLET P-1-1A	31	39.802	29.029	296.9	24.599	0.000	12.750
FD01RD01(L/E)	18	17.828	13.003	296.9	15.456	0.000	16.000
FD01RD01(S/E)	18	22.289	16.256	296.9	24.599	0.000	12.750
FD01EL01	4	21.988	16.037	296.9	15.456	0.000	16.000
FD01TE05(U/S)	15	17.828	13.003	296.9	15.456	0.000	16.000
FD01TE05(D/S)	15	17.828	13.003	296.9	15.456	0.000	16.000
FD01SP01	58	13.074	9.535	296.9	15.456	0.000	16.000
FD01EL02	4	21.988	16.037	296.9	15.456	0.000	16.000
FD01SP02 US	54	19.017	13.870	296.9	15.456	0.000	16.000
FD01SP02 DS	54	19.017	13.870	296.9	15.456	0.000	16.000
FD01EL03	2	21.988	16.037	296.9	15.456	0.000	16.000
FD01SP03 US	52	14.857	10.836	296.9	15.456	0.000	16.000
FD01SP03 DS	52	14.857	10.836	296.9	15.456	0.000	16.000
FD01EL04	2	21.988	16.037	296.9	15.456	0.000	16.000
FD01SP04 US	52	14.857	10.836	296.9	15.456	0.000	16.000
FD01SP04 DS	52	14.857	10.836	296.9	15.456	0.000	16.000
FD01EL05	2	21.988	16.037	296.9	15.456	0.000	16.000
FD01SP05 US	52	14.857	10.836	296.9	15.456	0.000	16.000
FD01SP05 DS	52	14.857	10.836	296.9	15.456	0.000	16.000
===>Grouped by Line: 002-16"-FDW-02, No Sorting.							
OUTLET P-1-1B	31	39.802	29.029	296.9	24.599	0.000	12.750
FD02RD01(L/E)	18	17.828	13.003	296.9	15.456	0.000	16.000
FD02RD01(S/E)	18	22.289	16.256	296.9	24.599	0.000	12.750
FD02EL01	4	21.988	16.037	296.9	15.456	0.000	16.000
FD02TE01(U/S)	15	17.828	13.003	296.9	15.456	0.000	16.000
FD02TE01(D/S)	15	17.828	13.003	296.9	15.456	0.000	16.000
FD02SP01	58	13.074	9.535	296.9	15.456	0.000	16.000
FD02EL02	4	21.988	16.037	296.9	15.456	0.000	16.000
FD02SP02 US	54	19.017	13.870	296.9	15.456	0.000	16.000
FD02SP02 DS	54	19.017	13.870	296.9	15.456	0.000	16.000
FD02EL03	2	21.988	16.037	296.9	15.456	0.000	16.000
FD02SP03 US	52	14.857	10.836	296.9	15.456	0.000	16.000
FD02SP03 DS	52	14.857	10.836	296.9	15.456	0.000	16.000
FD02EL04	2	21.988	16.037	296.9	15.456	0.000	16.000
FD02SP04 US	52	14.857	10.836	296.9	15.456	0.000	16.000
FD02SP04 DS	52	14.857	10.836	296.9	15.456	0.000	16.000
FD02EL05	2	21.988	16.037	296.9	15.456	0.000	16.000
FD02SP05 US	52	14.857	10.836	296.9	15.456	0.000	16.000
FD02SP05 DS	52	14.857	10.836	296.9	15.456	0.000	16.000
===>Grouped by Line: 003-16"-FDW-03, No Sorting.							
OUTLET P-1-1C	31	39.802	29.029	296.9	24.599	0.000	12.750
FD03RD01(L/E)	18	17.828	13.003	296.9	15.456	0.000	16.000
FD03RD01(S/E)	18	22.289	16.256	296.9	24.599	0.000	12.750
FD03EL01	4	21.988	16.037	296.9	15.456	0.000	16.000
FD03TE01(U/S)	15	17.828	13.003	296.9	15.456	0.000	16.000
FD03TE01(D/S)	15	17.828	13.003	296.9	15.456	0.000	16.000
FD03SP01	58	13.074	9.535	296.9	15.456	0.000	16.000
FD03EL02	4	21.988	16.037	296.9	15.456	0.000	16.000
FD03SP02 US	54	19.017	13.870	296.9	15.456	0.000	16.000
FD03SP02 DS	54	19.017	13.870	296.9	15.456	0.000	16.000
FD03EL03	1	19.611	14.303	296.9	15.456	0.000	16.000
FD03SP03	51	13.074	9.535	296.9	15.456	0.000	16.000
FD03EL04	4	21.988	16.037	296.9	15.456	0.000	16.000
FD03SP04 US	54	19.017	13.870	296.9	15.456	0.000	16.000
FD03SP04 DS	54	19.017	13.870	296.9	15.456	0.000	16.000

FD03EL05	2	21.988	16.037	296.9	15.456	0.000	16.000
FD03SP05	52	14.857	10.836	296.9	15.456	0.000	16.000
FD03EL06	4	21.988	16.037	296.9	15.456	0.000	16.000
FD03SP06	54	19.017	13.870	296.9	15.456	0.000	16.000
FD03EL07	2	21.988	16.037	296.9	15.456	0.000	16.000
FD03SP07 US	52	14.857	10.836	296.9	15.456	0.000	16.000
FD03SP07 DS	52	14.857	10.836	296.9	15.456	0.000	16.000

===>Grouped by Line: 004-24"-FDW-01, No Sorting.

FD01TE01(U/S)	12	21.424	15.626	294.7	13.741	0.000	24.000
FD01TE01(D/S)	12	14.354	10.469	296.9	6.847	0.000	24.000
FD01TE01(BR.)	12	20.205	14.736	296.9	15.456	0.000	16.000
FD01SP06 DS	62	7.002	5.107	296.9	6.847	0.000	24.000
FD01SP06 US	62	7.002	5.107	296.9	6.847	0.000	24.000
FD01TE02(U/S)	12	21.424	15.626	294.7	13.741	0.000	24.000
FD01TE02(D/S)	12	14.354	10.469	296.9	6.847	0.000	24.000
FD01TE02(BR.)	12	20.205	14.736	296.9	15.456	0.000	16.000
FD01SP07 US	62	7.002	5.107	296.9	6.847	0.000	24.000
FD01SP07 DS	62	7.002	5.107	296.9	6.847	0.000	24.000
FD01EL06	2	12.953	9.447	296.9	6.847	0.000	24.000
FD01SP08	52	8.752	6.383	296.9	6.847	0.000	24.000
FD01EL07	4	12.953	9.447	296.9	6.847	0.000	24.000
FD01SP09	54	11.203	8.171	296.9	6.847	0.000	24.000
FD01TE03(U/S)	15	10.503	7.660	296.9	6.847	0.000	24.000
FD01TE03(D/S)	15	10.503	7.660	296.9	6.847	0.000	24.000
FD01SP10 US	65	7.002	5.107	296.9	6.847	0.000	24.000
FD01SP10 DS	65	7.002	5.107	296.9	6.847	0.000	24.000
FD01TE04(U/S)	12	21.424	15.626	294.7	13.741	0.000	24.000
FD01TE04(D/S)	12	14.354	10.469	296.9	6.847	0.000	24.000
FD01TE04(BR.)	12	20.205	14.736	296.9	15.456	0.000	16.000
FD01EL08	4	12.953	9.447	296.9	6.847	0.000	24.000
FD01SP11	54	11.203	8.171	296.9	6.847	0.000	24.000

===>Grouped by Line: 005-18"-FDW-07, No Sorting.

FD07RD01(L/E)	7	12.253	8.937	296.9	6.847	0.000	24.000
FD07RD01(S/E)	7	16.408	11.967	296.9	12.224	0.000	18.000
FD07EL01	4	18.971	13.836	296.9	12.224	0.000	18.000
FD07SP01 US	54	16.408	11.967	296.9	12.224	0.000	18.000
FD07SP01 DS	54	16.408	11.967	296.9	12.224	0.000	18.000
FD07EL02	2	18.971	13.836	296.9	12.224	0.000	18.000
FD07SP02 US	52	12.818	9.349	296.9	12.224	0.000	18.000
FD07SP02 DS	52	12.818	9.349	296.9	12.224	0.000	18.000
FD07EL03	2	18.971	13.836	296.9	12.224	0.000	18.000
FD07RD02(L/E)	7	17.946	13.089	296.9	12.224	0.000	18.000
FD07RD02(S/E)	7	31.580	23.032	296.9	34.617	0.000	10.750
FD07RD03(L/E)	18	15.382	11.219	296.9	12.224	0.000	18.000
FD07RD03(S/E)	18	27.632	20.153	296.9	34.617	0.000	10.750
FD07SP03	68	12.818	9.349	296.9	12.224	0.000	18.000
FD07EL04	2	18.971	13.836	296.9	12.224	0.000	18.000
FD07SP04	52	12.818	9.349	296.9	12.224	0.000	18.000
FD07EL05	4	18.971	13.836	296.9	12.224	0.000	18.000
FD07SP05	54	16.408	11.967	296.9	12.224	0.000	18.000
FD07SP06	9	6.602	4.815	296.9	12.224	0.000	18.000
FD07EL06	2	18.971	13.836	296.9	12.224	0.000	18.000
FD07SP07	52	12.818	9.349	296.9	12.224	0.000	18.000
FD07EL07	2	18.971	13.836	296.9	12.224	0.000	18.000
FD07SP08 US	52	12.818	9.349	296.9	12.224	0.000	18.000
FD07SP08 DS	52	12.818	9.349	296.9	12.224	0.000	18.000
FD07EL08	1	16.920	12.341	296.9	12.224	0.000	18.000
FD07SP09	51	11.280	8.227	296.9	12.224	0.000	18.000
FD07EL09	4	18.971	13.836	296.9	12.224	0.000	18.000
FD07SP10 US	54	16.408	11.967	296.9	12.224	0.000	18.000

===>Grouped by Line: 006-18"-FDW-07, No Sorting.

FD07SP10 DS	54	16.408	11.967	296.9	12.224	0.000	18.000
FD07TE01(U/S)	15	15.382	11.219	296.9	12.224	0.000	18.000
FD07TE01(D/S)	15	15.382	11.219	296.9	12.224	0.000	18.000
FD07EL10	4	18.971	13.836	296.9	12.224	0.000	18.000
FD07SP11	54	16.408	11.967	296.9	12.224	0.000	18.000
FD07EL11	2	18.971	13.836	296.9	12.224	0.000	18.000
FD07EL12	4	18.971	13.836	296.9	12.224	0.000	18.000
INLET E-2-1A	30	20.509	14.958	296.9	12.224	0.000	18.000

===>Grouped by Line: 007-18"-FDW-12, No Sorting.

OUTLET E-2-1A	31	17.536	12.790	327.7	12.446	0.000	18.000
FD12EL01	4	12.977	9.465	327.7	12.446	0.000	18.000

FDW 20P27

FD12SP01 US	54	11.223	8.186	327.7	12.446	0.000	18.000
FD12SP01 DS	54	11.223	8.186	327.7	12.446	0.000	18.000
FD12EL02	2	12.977	9.465	327.7	12.446	0.000	18.000
FD12SP02	52	8.768	6.395	327.7	12.446	0.000	18.000
FD12EL03	2	12.977	9.465	327.7	12.446	0.000	18.000
FD12SP03	52	8.768	6.395	327.7	12.446	0.000	18.000
FD12SP04	9	4.540	3.311	327.7	12.446	0.000	18.000
FD12EL04	2	12.977	9.465	327.7	12.446	0.000	18.000
FD12SP05 US	52	8.768	6.395	327.7	12.446	0.000	18.000
FD12SP05 DS	52	8.768	6.395	327.7	12.446	0.000	18.000
FD12EL05	2	12.977	9.465	327.7	12.446	0.000	18.000
FD12SP06	52	8.768	6.395	327.7	12.446	0.000	18.000
FD12SP07	9	4.540	3.311	327.7	12.446	0.000	18.000
FD12EL06	2	12.977	9.465	327.7	12.446	0.000	18.000
FD12SP08	52	8.768	6.395	327.7	12.446	0.000	18.000
FD12EL07	2	12.977	9.465	327.7	12.446	0.000	18.000
FD12SP09	52	8.768	6.395	327.7	12.446	0.000	18.000
FD12TE01(U/S)	15	10.522	7.674	327.7	12.446	0.000	18.000
FD12TE01(D/S)	15	10.522	7.674	327.7	12.446	0.000	18.000
FD12SP10 US	65	7.015	5.116	327.7	12.446	0.000	18.000
FD12SP10 DS	65	7.015	5.116	327.7	12.446	0.000	18.000
FD12EL08	2	12.977	9.465	327.7	12.446	0.000	18.000
FD12EL09	4	12.977	9.465	327.7	12.446	0.000	18.000
INLET E-1-1A	30	14.029	10.232	327.7	12.446	0.000	18.000

===>Grouped by Line: 008-16"-FDW-14, No Sorting.

FD14SP02	57	8.318	6.066	373.1	16.213	0.000	16.000
FD14EL03	2	12.310	8.978	373.1	16.213	0.000	16.000
FD14SP03 US	52	8.318	6.066	373.1	16.213	0.000	16.000
FD14SP03 DS	52	8.318	6.066	373.1	16.213	0.000	16.000
FD14EL04	2	12.310	8.978	373.1	16.213	0.000	16.000
FD14SP04	52	8.318	6.066	373.1	16.213	0.000	16.000
FD14SP05	9	4.664	3.402	373.1	16.213	0.000	16.000
FD14FE01A	52	8.318	6.066	373.1	16.213	0.000	16.000
FD14FE01	6	0.119	0.087	373.1	42.526	0.000	16.000
FD14FE01B	56	6.102	4.450	373.1	42.526	0.000	16.000
FD14SP06 US	56	6.102	4.450	373.1	42.526	0.000	16.000
FD14SP06 DS	56	6.102	4.450	373.1	42.526	0.000	16.000
FD14EL05	2	12.310	8.978	373.1	16.213	0.000	16.000
FD14TE02(U/S)	15	9.981	7.280	373.1	16.213	0.000	16.000
FD14TE02(D/S)	15	9.981	7.280	373.1	16.213	0.000	16.000
FD14CP01	62	0.193	0.141	373.1	0.180	0.000	8.625
FD14SP07 US	65	6.654	4.853	373.1	16.213	0.000	16.000

===>Grouped by Line: 008-18"-FDW-14, No Sorting.

OUTLET E-1-1A	31	14.353	10.468	373.1	12.823	0.000	18.000
FD14EL01	4	10.621	7.746	373.1	12.823	0.000	18.000
FD14SP01	58	6.315	4.606	373.1	12.823	0.000	18.000
FD14EL02	2	10.621	7.746	373.1	12.823	0.000	18.000
FD14TE01(U/S)	15	8.612	6.281	373.1	12.823	0.000	18.000
FD14TE01(D/S)	15	8.612	6.281	373.1	12.823	0.000	18.000
FD14RD01(L/E)	7	10.047	7.328	373.1	12.823	0.000	18.000
FD14RD01(S/E)	7	10.647	7.765	373.1	16.213	0.000	16.000

===>Grouped by Line: 009-16"-FDW-14, No Sorting.

FD14SP07 DS	65	6.654	4.853	373.1	16.213	0.000	16.000
FD14EL06	2	12.310	8.978	373.1	16.213	0.000	16.000
FD14SP08 US	52	8.318	6.066	373.1	16.213	0.000	16.000
FD14SP08 DS	52	8.318	6.066	373.1	16.213	0.000	16.000
FD14EL07	2	12.310	8.978	373.1	16.213	0.000	16.000

===>Grouped by Line: 009-16"-FDW-16, No Sorting.

FD16SP01 US	58	7.320	5.338	373.1	16.213	0.000	16.000
FD16SP01 DS	58	7.320	5.338	373.1	16.213	0.000	16.000
FD16TE01(U/S)	15	9.981	7.280	373.1	16.213	0.000	16.000
FD16TE01(D/S)	15	9.981	7.280	373.1	16.213	0.000	16.000
FD16SP02	65	6.654	4.853	373.1	16.213	0.000	16.000
FD16SP03	58	7.320	5.338	373.1	16.213	0.000	16.000
FD16SP04	58	7.320	5.338	373.1	16.213	0.000	16.000
FD16SP05	58	6.396	5.338	373.1	16.213	0.000	16.000
FD16EL01	4	12.310	8.978	373.1	16.213	0.000	16.000

===>Grouped by Line: 010-10"-FDW-19, No Sorting.

FD19SP04	57	9.376	6.838	373.1	18.157	0.000	10.750
FD19SP05	9	5.439	3.967	373.1	18.157	0.000	10.750

FD19EL03	2	13.876	10.120	373.1	18.157	0.000	10.750
FD19SP06 US	52	9.376	6.838	373.1	18.157	0.000	10.750
FD19SP06 DS	52	9.376	6.838	373.1	18.157	0.000	10.750
FD19EL04	1	12.376	9.026	373.1	18.157	0.000	10.750
FD19SP07	51	8.251	6.017	373.1	18.157	0.000	10.750
FD19SP08	9	5.439	3.967	373.1	18.157	0.000	10.750
FD19EL05	2	13.876	10.120	373.1	18.157	0.000	10.750
FD19SP09 US	52	9.376	6.838	373.1	18.157	0.000	10.750
FD19SP09 DS	52	9.376	6.838	373.1	18.157	0.000	10.750
RX NOZZLE 4A	30	0.028	0.020	373.1	16.308	0.000	10.750

===>Grouped by Line: 010-10"-FDW-21, No Sorting.

FD21SP01 US	64	7.501	5.470	373.1	18.157	0.000	10.750
FD21SP01 DS	64	7.501	5.470	373.1	18.157	0.000	10.750
FD21EL01	1	12.376	9.026	373.1	18.157	0.000	10.750
FD21SP02	51	8.251	6.017	373.1	18.157	0.000	10.750
FD21SP03	9	5.439	3.967	373.1	18.157	0.000	10.750
FD21EL02	2	13.876	10.120	373.1	18.157	0.000	10.750
FD21SP04 US	52	9.376	6.838	373.1	18.157	0.000	10.750
FD21SP04 DS	52	9.376	6.838	373.1	18.157	0.000	10.750
RX NOZZLE 4B	30	0.028	0.020	373.1	16.308	0.000	10.750

===>Grouped by Line: 010-16"-FDW-19, No Sorting.

FD19SP01 US	58	6.840	4.989	373.1	14.559	0.000	16.000
FD19SP01 DS	58	6.840	4.989	373.1	14.559	0.000	16.000
FD19EL01	2	12.310	8.978	373.1	16.213	0.000	16.000
FD19SP02	52	7.773	5.669	373.1	14.559	0.000	16.000
FD19EL02	1	10.979	8.008	373.1	16.213	0.000	16.000
FD19SP03 US	51	6.840	4.989	373.1	14.559	0.000	16.000
FD19SP03 DS	51	6.840	4.989	373.1	14.559	0.000	16.000
FD19TE01(U/S)	14	18.299	13.346	373.1	16.213	0.000	16.000
FD19TE01(D/S)	14	12.421	9.059	373.1	8.107	0.000	16.000
FD19TE01(BR.)	14	13.126	9.573	373.1	18.157	0.000	10.750
FD19RD01(L/E)	7	7.904	5.765	373.1	8.107	0.000	16.000
FD19RD01(S/E)	7	12.001	8.753	373.1	18.157	0.000	10.750

===>Grouped by Line: 011-18"-FDW-08, No Sorting.

FD08RD01(L/E)	7	12.253	8.937	296.9	6.847	0.000	24.000
FD08RD01(S/E)	7	16.408	11.967	296.9	12.224	0.000	18.000
FD08EL01	4	18.971	13.836	296.9	12.224	0.000	18.000
FD08SP01 US	54	16.408	11.967	296.9	12.224	0.000	18.000
FD08SP01 DS	54	16.408	11.967	296.9	12.224	0.000	18.000
FD08EL02	2	18.971	13.836	296.9	12.224	0.000	18.000
FD08RD02(L/E)	7	17.946	13.089	296.9	12.224	0.000	18.000
FD08RD02(S/E)	7	31.580	23.032	296.9	34.617	0.000	10.750
FD08RD03(L/E)	18	15.382	11.219	296.9	12.224	0.000	18.000
FD08RD03(S/E)	18	27.632	20.153	296.9	34.617	0.000	10.750
FD08SP02	68	12.818	9.349	296.9	12.224	0.000	18.000
FD08EL03	2	18.971	13.836	296.9	12.224	0.000	18.000
FD08SP03 US	52	12.818	9.349	296.9	12.224	0.000	18.000
FD08SP03 DS	52	12.818	9.349	296.9	12.224	0.000	18.000
FD08EL04	4	18.971	13.836	296.9	12.224	0.000	18.000
FD08SP04	54	16.408	11.967	296.9	12.224	0.000	18.000
FD08EL05	2	18.971	13.836	296.9	12.224	0.000	18.000
FD08SP05 US	52	12.818	9.349	296.9	12.224	0.000	18.000

===>Grouped by Line: 012-18"-FDW-08, No Sorting.

FD08SP05 DS	52	12.818	9.349	296.9	12.224	0.000	18.000
FD08TE01(U/S)	15	15.382	11.219	296.9	12.224	0.000	18.000
FD08TE01(D/S)	15	15.382	11.219	296.9	12.224	0.000	18.000
FD08EL06	4	18.971	13.836	296.9	12.224	0.000	18.000
FD08SP06 US	54	16.408	11.967	296.9	12.224	0.000	18.000
FD08SP06 DS	54	16.408	11.967	296.9	12.224	0.000	18.000
FD08EL07	2	18.971	13.836	296.9	12.224	0.000	18.000
FD08EL08	4	18.971	13.836	296.9	12.224	0.000	18.000
INLET E-2-1B	30	20.509	14.958	296.9	12.224	0.000	18.000

===>Grouped by Line: 013-18"-FDW-13, No Sorting.

OUTLET E-2-1B	31	17.536	12.790	327.7	12.446	0.000	18.000
FD13EL01	4	12.977	9.465	327.7	12.446	0.000	18.000
FD13SP01 US	54	11.223	8.186	327.7	12.446	0.000	18.000
FD13SP01 DS	54	11.223	8.186	327.7	12.446	0.000	18.000
FD13EL02	2	12.977	9.465	327.7	12.446	0.000	18.000
FD13SP02 US	52	8.768	6.395	327.7	12.446	0.000	18.000
FD13SP02 DS	52	8.768	6.395	327.7	12.446	0.000	18.000

FD13EL03	2	12.977	9.465	327.7	12.446	0.000	18.000
FD13SP03	52	8.768	6.395	327.7	12.446	0.000	18.000
FD13SP04	9	4.540	3.311	327.7	12.446	0.000	18.000
FD13EL04	2	12.977	9.465	327.7	12.446	0.000	18.000
FD13SP05 US	52	8.768	6.395	327.7	12.446	0.000	18.000
FD13SP05 DS	52	8.768	6.395	327.7	12.446	0.000	18.000
FD13EL05	2	12.977	9.465	327.7	12.446	0.000	18.000
FD13SP06	52	8.768	6.395	327.7	12.446	0.000	18.000
FD13SP07	9	4.540	3.311	327.7	12.446	0.000	18.000
FD13EL06	1	11.574	8.441	327.7	12.446	0.000	18.000
FD13EL07	4	12.977	9.465	327.7	12.446	0.000	18.000
FD13TE01(U/S)	15	10.522	7.674	327.7	12.446	0.000	18.000
FD13TE01(D/S)	15	10.522	7.674	327.7	12.446	0.000	18.000
FD13SP08 US	65	7.015	5.116	327.7	12.446	0.000	18.000
FD13SP08 DS	65	7.015	5.116	327.7	12.446	0.000	18.000
FD13EL08	2	12.977	9.465	327.7	12.446	0.000	18.000
FD13EL09	4	12.977	9.465	327.7	12.446	0.000	18.000
INLET E-1-1B	30	14.029	10.232	327.7	12.446	0.000	18.000

===>Grouped by Line: 014-16"-FDW-15, No Sorting.

FD15SP02	57	8.318	6.066	373.1	16.213	0.000	16.000
FD15EL03	1	10.979	8.008	373.1	16.213	0.000	16.000
FD15SP09	51	7.320	5.338	373.1	16.213	0.000	16.000
FD15EL04	4	12.310	8.978	373.1	16.213	0.000	16.000
FD15SP10	54	10.647	7.765	373.1	16.213	0.000	16.000
FD15EL05	4	12.310	8.978	373.1	16.213	0.000	16.000
FD15SP03	54	10.647	7.765	373.1	16.213	0.000	16.000
FD15SP04	9	4.664	3.402	373.1	16.213	0.000	16.000
FD15FE01A	9	4.664	3.402	373.1	16.213	0.000	16.000
FD15FE01	6	0.119	0.087	373.1	42.526	0.000	16.000
FD15FE01B	56	6.102	4.450	373.1	42.526	0.000	16.000
FD15SP05 US	56	6.102	4.450	373.1	42.526	0.000	16.000
FD15SP05 DS	56	6.102	4.450	373.1	42.526	0.000	16.000
FD15EL06	2	12.310	8.978	373.1	16.213	0.000	16.000
FD15TE02(U/S)	15	9.981	7.280	373.1	16.213	0.000	16.000
FD15TE02(D/S)	15	9.981	7.280	373.1	16.213	0.000	16.000
FD15CP01	65	0.193	0.141	373.1	0.180	0.000	8.625
FD15SP06	65	6.654	4.853	373.1	16.213	0.000	16.000

===>Grouped by Line: 014-18"-FDW-15, No Sorting.

OUTLET E-1-1B	31	14.353	10.468	373.1	12.823	0.000	18.000
FD15EL01	4	10.621	7.746	373.1	12.823	0.000	18.000
FD15SP01	58	6.315	4.606	373.1	12.823	0.000	18.000
FD15EL02	2	10.621	7.746	373.1	12.823	0.000	18.000
FD15TE01(U/S)	15	8.612	6.281	373.1	12.823	0.000	18.000
FD15TE01(D/S)	15	8.612	6.281	373.1	12.823	0.000	18.000
FD15RD01(L/E)	7	10.047	7.328	373.1	12.823	0.000	18.000
FD15RD01(S/E)	7	10.647	7.765	373.1	16.213	0.000	16.000

===>Grouped by Line: 015-16"-FDW-15, No Sorting.

FD15SP07	9	4.664	3.402	373.1	16.213	0.000	16.000
FD15EL07	2	12.310	8.978	373.1	16.213	0.000	16.000
FD15SP08 US	52	8.318	6.066	373.1	16.213	0.000	16.000
FD15SP08 DS	52	8.318	6.066	373.1	16.213	0.000	16.000
FD15EL08	2	12.310	8.978	373.1	16.213	0.000	16.000

===>Grouped by Line: 015-16"-FDW-17, No Sorting.

FD17SP01 US	58	7.320	5.338	373.1	16.213	0.000	16.000
FD17SP01 DS	58	7.320	5.338	373.1	16.213	0.000	16.000
FD17TE01(U/S)	15	9.981	7.280	373.1	16.213	0.000	16.000
FD17TE01(D/S)	15	9.981	7.280	373.1	16.213	0.000	16.000
FD17SP02	65	6.654	4.853	373.1	16.213	0.000	16.000
FD17SP03	58	7.320	5.338	373.1	16.213	0.000	16.000
FD17SP04	58	7.320	5.338	373.1	16.213	0.000	16.000
FD17SP05	58	6.396	5.338	373.1	16.213	0.000	16.000
FD17EL01	4	12.310	8.978	373.1	16.213	0.000	16.000

===>Grouped by Line: 016-10"-FDW-18, No Sorting.

FD18SP04 US	64	7.501	5.470	373.1	18.157	0.000	10.750
FD18SP04 DS	64	7.501	5.470	373.1	18.157	0.000	10.750
FD18EL03	1	12.376	9.026	373.1	18.157	0.000	10.750
FD18SP05	51	8.251	6.017	373.1	18.157	0.000	10.750
FD18SP06	9	5.439	3.967	373.1	18.157	0.000	10.750
FD18EL04	2	13.876	10.120	373.1	18.157	0.000	10.750
FD18SP07 US	52	9.376	6.838	373.1	18.157	0.000	10.750

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FD18SP07 DS	52	9.376	6.838	373.1	18.157	0.000	10.750
RX NOZZLE 4C	30	0.028	0.020	373.1	16.308	0.000	10.750

===>Grouped by Line: 016-10"-FDW-20, No Sorting.

FD20RD01(L/E)	7	7.904	5.765	373.1	8.107	0.000	16.000
FD20RD01(S/E)	7	12.001	8.753	373.1	18.157	0.000	10.750
FD20SP01	57	9.376	6.838	373.1	18.157	0.000	10.750
FD20SP02	9	5.439	3.967	373.1	18.157	0.000	10.750
FD20EL01	2	13.876	10.120	373.1	18.157	0.000	10.750
FD20SP03 US	52	9.376	6.838	373.1	18.157	0.000	10.750
FD20SP03 DS	52	9.376	6.838	373.1	18.157	0.000	10.750
FD20EL02	1	12.376	9.026	373.1	18.157	0.000	10.750
FD20SP04	51	8.251	6.017	373.1	18.157	0.000	10.750
FD20SP05	9	5.439	3.967	373.1	18.157	0.000	10.750
FD20EL03	2	13.876	10.120	373.1	18.157	0.000	10.750
FD20SP06 US	52	9.376	6.838	373.1	18.157	0.000	10.750
FD20SP06 DS	52	9.376	6.838	373.1	18.157	0.000	10.750
RX NOZZLE 4D	30	0.028	0.020	373.1	16.308	0.000	10.750

===>Grouped by Line: 016-16"-FDW-18, No Sorting.

FD18SP01 US	58	6.840	4.989	373.1	14.559	0.000	16.000
FD18SP01 DS	58	6.840	4.989	373.1	14.559	0.000	16.000
FD18EL01	2	12.310	8.978	373.1	16.213	0.000	16.000
FD18SP02 US	52	7.773	5.669	373.1	14.559	0.000	16.000
FD18SP02 DS	52	7.773	5.669	373.1	14.559	0.000	16.000
FD18EL02	1	10.979	8.008	373.1	16.213	0.000	16.000
FD18SP03 US	51	6.840	4.989	373.1	14.559	0.000	16.000
FD18SP03 DS	51	6.840	4.989	373.1	14.559	0.000	16.000
FD18TE01(U/S)	14	18.299	13.346	373.1	16.213	0.000	16.000
FD18TE01(D/S)	14	12.421	9.059	373.1	8.107	0.000	16.000
FD18TE01(BR.)	14	13.126	9.573	373.1	18.157	0.000	10.750

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Company: Vermont Yankee Nuclear Power Corporation Report Date: 25-OCT-2001 Time: 09:08:40
Plant: Vermont Yankee Analysis Date: 14-SEP-2000 Time: 10:21:56
Unit: CHECWORKS FAC Version 1.0F (Build 52)
DB Name: VY

****
*** Wear Rate Analysis: Wear Predictions Report ***
****

n Name: Feedwater
ding Period: CYCLE 21
Total Plant Operating Hours: 195496 Duty Factor (Global): 1.000
WRA Data Option: Ignore NFA Exclude Measure Wear: No
Line Correction Factor: 0.891

Component Name	Total Lifetime Wear (mils) Prd.[1]	Meas.	In-Service Cmp. Wear (mils) Prd.[1]	Meas.	In-Service Cmp. Tmeas,Method,Time (in)[3]	[2]	(hrs)[3]	In-Service Cmp. Thickness(mils)[4] Tp	Tm	Incremental Wear(mils)[5] PRWEAR	Time(hrs) Last Inspected
===>Grouped by Line: 001-16"-FDW-01, No Sorting.											
FD01EL01	223.6	298.0	223.6	298.0	1.052	GW	171740	995.4	1052.0	21.7	171740
FD01TE05(U/S)	168.7	342.0	168.7	342.0	1.128	GW	171740	1050.3	1128.0	17.6	160352
FD01TE05(D/S)	168.7	261.0	168.7	261.0	0.991	GW	160352	1050.3	991.0	30.3	160352
FD01EL02	223.6	455.0	223.6	455.0	1.138	GW	171740	995.4	1138.0	21.7	171740
FD01SP03 US	105.8	163.0	105.8	163.0	1.093	MT	114614	1113.2	1093.0	59.9	114614
FD01EL04	208.0	102.0	208.0	102.0	1.117	GW	160352	1011.0	1117.0	37.3	160352
===>Grouped by Line: 002-16"-FDW-02, No Sorting.											
OUTLET P-1-1B	424.4	271.0	424.4	271.0	0.869	GW	183618	575.6	869.0	19.7	183618
FD02RD01(L/E)	160.7	201.0	160.7	201.0	1.018	MT	148782	1058.3	1018.0	38.3	148782
FD02RD01(S/E)	200.9	291.0	200.9	291.0	1.038	GW	183618	799.1	1038.0	11.0	148782
FD02TE01(U/S)	190.1	338.0	190.1	338.0	1.085	MT	148782	1028.9	1085.0	38.3	183618
FD02TE01(D/S)	190.1	416.0	190.1	416.0	0.986	GW	183618	1028.9	986.0	8.8	183618
FD02EL02	234.5	535.0	234.5	535.0	1.124	GW	183618	984.5	1124.0	10.9	183618
FD02SP02 US	148.8	143.0	148.8	143.0	1.069	MT	125911	1070.2	1069.0	63.4	125911
FD02SP02 DS	202.8	154.0	202.8	154.0	1.065	GW	183618	1016.2	1065.0	9.4	183618
FD02EL03	172.1	376.0	172.1	376.0	1.448	MT	125911	1046.9	1448.0	73.3	125911
FD02SP03 US	116.3	168.0	116.3	168.0	1.091	MT	125911	1102.7	1091.0	49.5	125911
FD02SP04 US	140.6	183.0	140.6	183.0	1.088	GW	160352	1078.4	1088.0	25.2	160352
FD02EL05	208.0	507.0	208.0	507.0	1.419	GW	160352	1011.0	1419.0	37.3	160352
FD02SP05 DS	140.6	184.0	140.6	184.0	1.082	GW	160352	1078.4	1082.0	25.2	160352
===>Grouped by Line: 003-16"-FDW-03, No Sorting.											
FD03RD01(L/E)	304.2	168.0	304.2	168.0	1.061	MT	137270	914.8	1061.0	93.6	137270
FD03RD01(S/E)	380.4	415.0	380.4	415.0	0.992	GW	183618	619.6	992.0	22.0	137270
FD03EL01	469.0	390.0	469.0	390.0	1.266	GW	183618	750.0	1266.0	21.7	183618
FD03TE01(U/S)	380.2	354.0	380.2	354.0	1.072	GW	183618	838.8	1072.0	17.6	183618
FD03TE01(D/S)	380.2	365.0	380.2	365.0	1.089	GW	183618	838.8	1089.0	17.6	183618
3SP02 US	342.7	136.0	342.7	136.0	1.076	MT	148782	876.3	1076.0	81.6	148782
3SP02 DS	271.0	115.0	271.0	115.0	1.107	MT	114614	948.0	1107.0	153.4	114614
03EL03	279.4	274.0	279.4	274.0	1.469	MT	114614	939.6	1469.0	158.2	114614
FD03SP03	186.3	82.0	186.3	82.0	1.198	MT	114614	1032.7	1198.0	105.5	114614
FD03EL04	344.2	353.0	344.2	353.0	1.451	MT	125911	874.8	1451.0	146.5	125911
FD03SP04 US	297.7	133.0	297.7	133.0	1.071	MT	125911	921.3	1071.0	126.7	125911
FD03SP04 DS	342.7	130.0	342.7	130.0	1.089	MT	148782	876.3	1089.0	81.6	148782
FD03EL05	396.3	289.0	396.3	289.0	1.271	MT	148782	822.7	1271.0	94.4	148782
FD03SP05	267.8	137.0	267.8	137.0	1.076	MT	148782	951.2	1076.0	63.8	148782
FD03EL06	396.3	277.0	396.3	277.0	1.478	MT	148782	822.7	1478.0	94.4	148782
FD03SP06	342.7	182.0	342.7	182.0	1.004	MT	148782	876.3	1004.0	81.6	148782
FD03EL07	469.0	456.0	469.0	456.0	1.533	GW	183618	750.0	1533.0	21.7	183618
FD03SP07 DS	232.6	142.0	232.6	142.0	0.902	PW	183618	986.4	902.1	14.7	125911
===>Grouped by Line: 004-24"-FDW-01, No Sorting.											
FD01SP06 US	126.2	317.0	126.2	317.0	1.495	MT	148782	1685.8	1495.0	30.1	148782
FD01SP07 US	126.2	246.0	126.2	246.0	1.566	MT	148782	1685.8	1566.0	30.1	148782
FD01SP10 DS	109.6	262.0	109.6	262.0	1.545	MT	125911	1702.4	1545.0	46.7	125911
FD01SP11	175.4	255.0	175.4	255.0	1.552	MT	125911	1636.6	1552.0	74.7	125911
===>Grouped by Line: 005-18"-FDW-07, No Sorting.											
FD07EL01	404.6	435.0	404.6	435.0	1.271	MT	102975	970.4	1271.0	180.5	183618
FD07SP01 US	349.9	148.0	349.9	148.0	1.251	MT	102975	1025.1	1251.0	156.1	183618
FD07EL02	359.0	359.0	359.0	359.0	1.328	MT	160352	1016.0	1328.0	64.4	160352
FD07SP03	231.0	139.0	231.0	139.0	1.232	MT	148782	1144.0	1232.0	55.0	148782
FD07EL04	385.9	548.0	385.9	548.0	1.337	MT	114614	989.1	1337.0	153.1	171740
FD07SP04	260.7	161.0	260.7	161.0	1.239	MT	114614	1114.3	1239.0	103.4	171740
FD07EL06	385.9	452.0	385.9	452.0	1.199	MT	171740	989.1	1199.0	37.5	171740
FD07SP07	260.7	192.0	260.7	192.0	1.240	MT	171740	1114.3	1240.0	25.4	171740
FD07EL07	385.9	615.0	385.9	615.0	1.188	MT	171740	989.1	1188.0	37.5	171740
FD07SP08 US	260.7	122.0	260.7	122.0	1.253	MT	171740	1114.3	1253.0	25.4	171740
FD07SP09	203.3	119.0	203.3	119.0	1.256	MT	148782	1171.7	1256.0	48.4	148782
FD07EL09	341.9	374.0	341.9	374.0	1.235	MT	148782	1033.1	1235.0	81.5	148782
FD07SP10 US	295.7	154.0	295.7	154.0	1.221	MT	148782	1079.3	1221.0	70.4	148782
===>Grouped by Line: 006-18"-FDW-07, No Sorting.											
===>Grouped by Line: 007-18"-FDW-12, No Sorting.											
FD12EL08	263.9	636.0	263.9	636.0	1.237	MT	171740	1111.1	1237.0	25.7	171740
Grouped by Line: 008-16"-FDW-14, No Sorting.											
FD14SP02	118.5	159.0	118.5	159.0	1.099	MT	114614	1100.5	1099.0	67.1	114614
FD14EL03	262.6	404.0	262.6	404.0	1.179	MT	125911	956.4	1179.0	82.0	183618
FD14SP03 US	177.4	233.0	177.4	233.0	1.066	MT	125911	1041.6	1066.0	55.4	183618
===>Grouped by Line: 008-18"-FDW-14, No Sorting.											

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FD14RD01(L/E)	143.2	139.0	143.2	139.0	1.236	MT	114614	1231.8	1236.0	81.1	114614
FD14RD01(S/E)	151.7	66.0	151.7	66.0	1.213	MT	114614	1067.3	1213.0	85.9	114614

===>Grouped by Line: 009-16"-FDW-14, No Sorting.

===>Grouped by Line: 009-16"-FDW-16, No Sorting.

===>Grouped by Line: 010-10"-FDW-19, No Sorting.

FD19SP04	200.0	162.0	200.0	162.0	0.728	MT	137270	644.0	728.0	49.2	183618

===>Grouped by Line: 010-10"-FDW-21, No Sorting.

FD21SP01 US	160.0	126.0	160.0	126.0	0.795	MT	137270	684.0	795.0	39.4	183618

===>Grouped by Line: 010-16"-FDW-19, No Sorting.

FD19SP03 DS	116.7	67.0	116.7	67.0	0.792	MT	137270	727.3	792.0	35.9	137270
FD19TE01(U/S)	312.3	283.0	312.3	283.0	1.948	MT	137270	906.7	1948.0	96.1	137270
FD19TE01(D/S)	212.0	245.0	212.0	245.0	1.950	MT	137270	1007.0	1950.0	65.2	137270
FD19TE01(BR.)	224.0	144.0	224.0	144.0	0.787	MT	137270	620.0	787.0	68.9	137270
FD19RD01(L/E)	134.9	197.0	134.9	197.0	1.156	MT	137270	1084.1	1156.0	41.5	137270
FD19RD01(S/E)	204.8	238.0	204.8	238.0	0.795	MT	137270	639.2	795.0	63.0	137270

===>Grouped by Line: 011-18"-FDW-08, No Sorting.

FD08EL01	404.6	414.0	404.6	414.0	1.328	MT	183618	970.4	1328.0	18.8	183618
FD08SP01 US	349.9	130.0	349.9	130.0	1.244	MT	183618	1025.1	1244.0	16.2	183618
FD08SP02	273.4	192.0	273.4	192.0	1.185	MT	148782	1101.6	1185.0	55.0	183618
FD08EL03	242.9	310.0	242.9	310.0	1.384	MT	102975	1132.1	1384.0	180.5	102975
FD08SP03 US	164.1	164.0	164.1	164.0	1.295	MT	102975	1210.9	1295.0	122.0	102975
FD08EL04	404.6	638.0	404.6	638.0	1.375	--	0	970.4	1375.0	423.4	183618
FD08SP04	349.9	152.0	349.9	152.0	1.375	--	0	1025.1	1375.0	366.2	183618
FD08EL05	404.6	416.0	404.6	416.0	1.375	--	0	970.4	1375.0	423.4	183618
FD08SP05 US	273.4	194.0	273.4	194.0	1.375	--	0	1101.6	1375.0	286.1	183618

===>Grouped by Line: 012-18"-FDW-08, No Sorting.

FD08EL06	385.9	275.0	385.9	275.0	1.328	MT	171740	989.1	1328.0	37.5	171740
FD08SP06 US	333.7	158.0	333.7	158.0	1.217	MT	171740	1041.3	1217.0	32.5	171740

===>Grouped by Line: 013-18"-FDW-13, No Sorting.

FD13EL05	245.6	433.0	245.6	433.0	1.225	MT	160352	1129.4	1225.0	44.0	160352
FD13SP06	165.9	175.0	165.9	175.0	1.237	MT	160352	1209.1	1237.0	29.8	160352

===>Grouped by Line: 014-16"-FDW-15, No Sorting.

FD15EL04	250.4	422.0	250.4	422.0	1.194	MT	102975	968.6	1194.0	117.1	171740
FD15SP10	216.5	180.0	216.5	180.0	1.117	MT	102975	1002.5	1117.0	101.3	171740
FD15EL05	250.4	180.0	250.4	180.0	1.089	MT	171740	968.6	1089.0	24.3	171740
FD15SP03	216.5	211.0	216.5	211.0	1.099	MT	171740	1002.5	1099.0	21.1	171740

===>Grouped by Line: 014-18"-FDW-15, No Sorting.

===>Grouped by Line: 015-16"-FDW-15, No Sorting.

FD15EL07	250.4	364.0	250.4	364.0	1.069	MT	171740	968.6	1069.0	24.3	171740
FD15SP08 US	169.2	83.0	169.2	83.0	1.138	MT	171740	1049.8	1138.0	16.5	171740

===>Grouped by Line: 015-16"-FDW-17, No Sorting.

===>Grouped by Line: 016-10"-FDW-18, No Sorting.

FD18SP04 US	135.2	140.0	135.2	140.0	0.761	MT	148782	708.8	761.0	32.2	148782

===>Grouped by Line: 016-10"-FDW-20, No Sorting.

FD20RD01(L/E)	142.5	184.0	142.5	184.0	1.188	MT	148782	1076.5	1188.0	33.9	148782
FD20RD01(S/E)	216.3	265.0	216.3	265.0	0.753	MT	148782	627.7	753.0	51.5	148782
FD20SP01	169.0	105.0	169.0	105.0	0.725	MT	148782	675.0	725.0	40.3	148782

===>Grouped by Line: 016-16"-FDW-18, No Sorting.

FD18TE01(U/S)	329.8	638.0	329.8	638.0	0.931	MT	148782	889.2	931.0	78.6	148782
FD18TE01(D/S)	223.9	423.0	223.9	423.0	1.305	MT	148782	995.1	1305.0	53.3	148782

Notes:
[1] Predictions are for the time of last inspection (last known meas. wear).
[2] GW = Tmeas is minimum thickness from Band, Blanket or Area Method of greatest wear.
MT = Tmeas is component minimum thickness.
PW = Tmeas is Tinit - predicted wear.
US = Tmeas is user specified.
[3] If no Tmeas has been determined from measured data, then Tmeas = Tinit and Time = current component installation time.
Tmeas is used to determine Predicted Thickness and Component Predicted Time to Tcrit.
[4] These two values are used for thickness plot.
Tp = Predicted thickness at Tmeas.
Tm = Last measured thickness (Tmeas).
[5] PRWEAR = Incremental wear from last Tmeas time to analysis ending period.

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Company: Vermont Yankee Nuclear Power Corporation
Plant: Vermont Yankee
Unit:
DB Name: VY

Report Date: 25-OCT-2001 Time: 09:24:29
Analysis Date: 14-SEP-2000 Time: 10:21:56
CHECWORKS FAC Version 1.0F (Build 52)

2001 RFO
UP TO 1999
VT DATA

****
*** Wear Rate Analysis: Inspection History Report ***
****

Run Name: Feedwater
Ending Period: CYCLE 21
Total Plant Operating Hours: 195496
WRA Data Option: Ignore NFA
Line Correction Factor: 0.891

Duty Factor (Global): 1.000
Exclude Measure Wear: No

Component Name	Geom. Code	Material No.	Cr. (%)	Cu. (%)	Mo. (%)	Sigma (psi)	Time (hrs) Last Inspected	Replaced	Analysis Option	Measured Wear (mils)
===>Grouped by Line: 001-16"-FDW-01, No Sorting.										
OUTLET P-1-1A	31	5	0.00	0.00	0.00	15000	-----	-----		---
FD01RD01(L/E)	18	21	0.00	0.00	0.00	15000	-----	-----	Excl LCF	---
FD01RD01(S/E)	18	21	0.00	0.00	0.00	15000	-----	-----	Excl LCF	---
FD01EL01	4	21	0.00	0.00	0.00	15000	171740	-----		297
FD01TE05(U/S)	15	5	0.00	0.00	0.00	15000	160352	-----		342
FD01TE05(D/S)	15	5	0.00	0.00	0.00	15000	160352	-----		260
FD01SP01	58	5	0.00	0.00	0.00	15000	-----	-----		---
FD01EL02	4	21	0.00	0.00	0.00	15000	171740	-----		455
FD01SP02 US	54	5	0.00	0.00	0.00	15000	-----	-----	Excl LCF	---
FD01SP02 DS	54	5	0.00	0.00	0.00	15000	-----	-----		---
FD01EL03	2	21	0.00	0.00	0.00	15000	-----	-----	Excl LCF	---
FD01SP03 US	52	5	0.00	0.00	0.00	15000	114614	-----		162
FD01SP03 DS	52	5	0.00	0.00	0.00	15000	-----	-----		---
FD01EL04	2	21	0.00	0.00	0.00	15000	160352	-----		102
FD01SP04 US	52	5	0.00	0.00	0.00	15000	-----	-----		---
FD01SP04 DS	52	5	0.00	0.00	0.00	15000	-----	-----		---
FD01EL05	2	21	0.00	0.00	0.00	15000	-----	-----		---
FD01SP05 US	52	5	0.00	0.00	0.00	15000	-----	-----		---
FD01SP05 DS	52	5	0.00	0.00	0.00	15000	-----	-----		---
===>Grouped by Line: 002-16"-FDW-02, No Sorting.										
OUTLET P-1-1B	31	5	0.00	0.00	0.00	15000	183618	-----		270
02RD01(L/E)	18	21	0.00	0.00	0.00	15000	148782	-----		200
02RD01(S/E)	18	21	0.00	0.00	0.00	15000	148782	-----		291
D02EL01	4	21	0.00	0.00	0.00	15000	-----	-----	Excl LCF	---
FD02TE01(U/S)	15	5	0.00	0.00	0.00	15000	183618	-----		337
FD02TE01(D/S)	15	5	0.00	0.00	0.00	15000	183618	-----		415
FD02SP01	58	5	0.00	0.00	0.00	15000	-----	-----		---
FD02EL02	4	21	0.00	0.00	0.00	15000	183618	-----		535
FD02SP02 US	54	5	0.00	0.00	0.00	15000	125911	-----		142
FD02SP02 DS	54	5	0.00	0.00	0.00	15000	183618	-----		153
FD02EL03	2	21	0.00	0.00	0.00	15000	125911	-----		376
FD02SP03 US	52	5	0.00	0.00	0.00	15000	125911	-----		168
FD02SP03 DS	52	5	0.00	0.00	0.00	15000	-----	-----		---
FD02EL04	2	21	0.00	0.00	0.00	15000	-----	-----		---
FD02SP04 US	52	5	0.00	0.00	0.00	15000	160352	-----		182
FD02SP04 DS	52	5	0.00	0.00	0.00	15000	-----	-----		---
FD02EL05	2	21	0.00	0.00	0.00	15000	160352	-----		506
FD02SP05 US	52	5	0.00	0.00	0.00	15000	-----	-----		---
FD02SP05 DS	52	5	0.00	0.00	0.00	15000	160352	-----		184
===>Grouped by Line: 003-16"-FDW-03, No Sorting.										
OUTLET P-1-1C	31	5	0.00	0.00	0.00	15000	-----	-----		---
FD03RD01(L/E)	18	21	0.00	0.00	0.00	15000	137270	-----		167
FD03RD01(S/E)	18	21	0.00	0.00	0.00	15000	137270	-----		414
FD03EL01	4	21	0.00	0.00	0.00	15000	183618	-----		390
FD03TE01(U/S)	15	5	0.00	0.00	0.00	15000	183618	-----		354
FD03TE01(D/S)	15	5	0.00	0.00	0.00	15000	183618	-----		365
FD03SP01	58	5	0.00	0.00	0.00	15000	-----	-----		---
FD03EL02	4	21	0.00	0.00	0.00	15000	-----	-----		---
FD03SP02 US	54	5	0.00	0.00	0.00	15000	148782	-----		135
FD03SP02 DS	54	5	0.00	0.00	0.00	15000	114614	-----		115
FD03EL03	1	21	0.00	0.00	0.00	15000	114614	-----		274
FD03SP03	51	5	0.00	0.00	0.00	15000	114614	-----		82
FD03EL04	4	21	0.00	0.00	0.00	15000	125911	-----		353
FD03SP04 US	54	5	0.00	0.00	0.00	15000	125911	-----		132
FD03SP04 DS	54	5	0.00	0.00	0.00	15000	148782	-----		129
FD03EL05	2	21	0.00	0.00	0.00	15000	148782	-----		289
03SP05	52	5	0.00	0.00	0.00	15000	148782	-----		136
EL06	4	21	0.00	0.00	0.00	15000	148782	-----		277
SP06	54	5	0.00	0.00	0.00	15000	148782	-----		181
FD03EL07	2	21	0.00	0.00	0.00	15000	183618	-----		455
FD03SP07 US	52	5	0.00	0.00	0.00	15000	-----	-----		---
FD03SP07 DS	52	5	0.00	0.00	0.00	15000	125911	-----		141
===>Grouped by Line: 004-24"-FDW-01, No Sorting.										

FD01TE01(U/S)	12	21	0.00	0.00	0.00	15000	-----	----- Excl LCF	---
FD01TE01(D/S)	12	21	0.00	0.00	0.00	15000	-----	----- Excl LCF	---
FD01TE01(BR.)	12	21	0.00	0.00	0.00	15000	-----	----- Excl LCF	---
FD01SP06 DS	62	5	0.00	0.00	0.00	15000	-----	-----	---
FD01SP06 US	62	5	0.00	0.00	0.00	15000	148782	-----	317
FD01TE02(U/S)	12	21	0.00	0.00	0.00	15000	-----	----- Excl LCF	---
01TE02(D/S)	12	21	0.00	0.00	0.00	15000	-----	----- Excl LCF	---
01TE02(BR.)	12	21	0.00	0.00	0.00	15000	-----	----- Excl LCF	---
D01SP07 US	62	5	0.00	0.00	0.00	15000	148782	-----	246
FD01SP07 DS	62	5	0.00	0.00	0.00	15000	-----	-----	---
FD01EL06	2	21	0.00	0.00	0.00	15000	-----	-----	---
FD01SP08	52	5	0.00	0.00	0.00	15000	-----	-----	---
FD01EL07	4	21	0.00	0.00	0.00	15000	-----	-----	---
FD01SP09	54	5	0.00	0.00	0.00	15000	-----	-----	---
FD01TE03(U/S)	15	21	0.00	0.00	0.00	15000	-----	-----	---
FD01TE03(D/S)	15	21	0.00	0.00	0.00	15000	-----	-----	---
FD01SP10 US	65	5	0.00	0.00	0.00	15000	-----	-----	---
FD01SP10 DS	65	5	0.00	0.00	0.00	15000	125911	-----	262
FD01TE04(U/S)	12	21	0.00	0.00	0.00	15000	-----	-----	---
FD01TE04(D/S)	12	21	0.00	0.00	0.00	15000	-----	-----	---
FD01TE04(BR.)	12	21	0.00	0.00	0.00	15000	-----	-----	---
FD01EL08	4	21	0.00	0.00	0.00	15000	-----	----- Excl LCF	---
FD01SP11	54	5	0.00	0.00	0.00	15000	125911	-----	255

===>Grouped by Line: 005-18"-FDW-07, No Sorting.

FD07RD01(L/E)	7	21	0.00	0.00	0.00	15000	-----	----- Excl LCF	---
FD07RD01(S/E)	7	21	0.00	0.00	0.00	15000	-----	----- Excl LCF	---
FD07EL01	4	21	0.00	0.00	0.00	15000	183618	-----	435
FD07SP01 US	54	5	0.00	0.00	0.00	15000	183618	-----	148
FD07SP01 DS	54	5	0.00	0.00	0.00	15000	-----	-----	---
FD07EL02	2	21	0.00	0.00	0.00	15000	160352	-----	359
FD07SP02 US	52	5	0.00	0.00	0.00	15000	-----	-----	---
FD07SP02 DS	52	5	0.00	0.00	0.00	15000	-----	-----	---
FD07EL03	2	21	0.00	0.00	0.00	15000	-----	-----	---
FD07RD02(L/E)	7	21	0.00	0.00	0.00	15000	-----	----- Excl LCF	---
FD07RD02(S/E)	7	21	0.00	0.00	0.00	15000	-----	----- Excl LCF	---
FD07RD03(L/E)	18	21	0.00	0.00	0.00	15000	-----	-----	---
FD07RD03(S/E)	18	21	0.00	0.00	0.00	15000	-----	-----	---
FD07SP03	68	5	0.00	0.00	0.00	15000	148782	-----	139
FD07EL04	2	21	0.00	0.00	0.00	15000	171740	-----	548
FD07SP04	52	5	0.00	0.00	0.00	15000	171740	-----	161
FD07EL05	4	21	0.00	0.00	0.00	15000	-----	-----	---
FD07SP05	54	5	0.00	0.00	0.00	15000	-----	-----	---
07SP06	9	5	0.00	0.00	0.00	15000	-----	-----	---
07EL06	2	21	0.00	0.00	0.00	15000	171740	-----	452
07SP07	52	5	0.00	0.00	0.00	15000	171740	-----	192
FD07EL07	2	21	0.00	0.00	0.00	15000	171740	-----	615
FD07SP08 US	52	5	0.00	0.00	0.00	15000	171740	-----	121
FD07SP08 DS	52	5	0.00	0.00	0.00	15000	-----	-----	---
FD07EL08	1	21	0.00	0.00	0.00	15000	-----	-----	---
FD07SP09	51	5	0.00	0.00	0.00	15000	148782	-----	119
FD07EL09	4	21	0.00	0.00	0.00	15000	148782	-----	373
FD07SP10 US	54	5	0.00	0.00	0.00	15000	148782	-----	154

===>Grouped by Line: 006-18"-FDW-07, No Sorting.

FD07SP10 DS	54	5	0.00	0.00	0.00	15000	-----	-----	---
FD07TE01(U/S)	15	21	0.00	0.00	0.00	15000	-----	-----	---
FD07TE01(D/S)	15	21	0.00	0.00	0.00	15000	-----	-----	---
FD07EL10	4	21	0.00	0.00	0.00	15000	-----	-----	---
FD07SP11	54	5	0.00	0.00	0.00	15000	-----	-----	---
FD07EL11	2	21	0.00	0.00	0.00	15000	-----	-----	---
FD07EL12	4	21	0.00	0.00	0.00	15000	-----	-----	---
INLET E-2-1A	30	5	0.00	0.00	0.00	15000	-----	-----	---

===>Grouped by Line: 007-18"-FDW-12, No Sorting.

OUTLET E-2-1A	31	5	0.00	0.00	0.00	15000	-----	-----	---
FD12EL01	4	21	0.00	0.00	0.00	15000	-----	-----	---
FD12SP01 US	54	5	0.00	0.00	0.00	15000	-----	-----	---
FD12SP01 DS	54	5	0.00	0.00	0.00	15000	-----	-----	---
FD12EL02	2	21	0.00	0.00	0.00	15000	-----	-----	---
FD12SP02	52	5	0.00	0.00	0.00	15000	-----	-----	---
FD12EL03	2	21	0.00	0.00	0.00	15000	-----	-----	---
FD12SP03	52	5	0.00	0.00	0.00	15000	-----	-----	---
FD12SP04	9	5	0.00	0.00	0.00	15000	-----	-----	---
FD12EL04	2	21	0.00	0.00	0.00	15000	-----	-----	---
FD12SP05 US	52	5	0.00	0.00	0.00	15000	-----	-----	---
FD12SP05 DS	52	5	0.00	0.00	0.00	15000	-----	-----	---
FD12EL05	2	21	0.00	0.00	0.00	15000	-----	-----	---
FD12SP06	52	5	0.00	0.00	0.00	15000	-----	-----	---
SP07	9	5	0.00	0.00	0.00	15000	-----	-----	---
EL06	2	21	0.00	0.00	0.00	15000	-----	-----	---
FD12SP08	52	5	0.00	0.00	0.00	15000	-----	-----	---
FD12EL07	2	21	0.00	0.00	0.00	15000	-----	-----	---
FD12SP09	52	5	0.00	0.00	0.00	15000	-----	-----	---
FD12TE01(U/S)	15	21	0.00	0.00	0.00	15000	-----	-----	---
FD12TE01(D/S)	15	21	0.00	0.00	0.00	15000	-----	-----	---
FD12SP10 US	65	5	0.00	0.00	0.00	15000	-----	-----	---

FD12SP10 DS	65	5	0.00	0.00	0.00	15000	-----	-----	---
FD12EL08	2	21	0.00	0.00	0.00	15000	171740	-----	636
FD12EL09	4	21	0.00	0.00	0.00	15000	-----	-----	---
INLET E-1-1A	30	5	0.00	0.00	0.00	15000	-----	-----	---

===>Grouped by Line: 008-16"-FDW-14, No Sorting.

FD14SP02	57	5	0.00	0.00	0.00	15000	114614	-----	159
FD14EL03	2	21	0.00	0.00	0.00	15000	183618	-----	404
FD14SP03 US	52	5	0.00	0.00	0.00	15000	183618	-----	232
FD14SP03 DS	52	5	0.00	0.00	0.00	15000	-----	-----	---
FD14EL04	2	21	0.00	0.00	0.00	15000	-----	-----	---
FD14SP04	52	5	0.00	0.00	0.00	15000	-----	-----	---
FD14SP05	9	5	0.00	0.00	0.00	15000	-----	-----	---
FD14FE01A	52	5	0.00	0.00	0.00	15000	-----	-----	---
FD14FE01	6	5	18.00	0.00	0.00	15000	-----	-----	---
FD14FE01B	56	5	0.00	0.00	0.00	15000	-----	-----	---
FD14SP06 US	56	5	0.00	0.00	0.00	15000	-----	-----	---
FD14SP06 DS	56	5	0.00	0.00	0.00	15000	-----	-----	---
FD14EL05	2	21	0.00	0.00	0.00	15000	-----	-----	---
FD14TE02(U/S)	15	21	0.00	0.00	0.00	15000	-----	-----	---
FD14TE02(D/S)	15	21	0.00	0.00	0.00	15000	-----	-----	---
FD14CP01	62	21	0.00	0.00	0.00	15000	-----	-----	---
FD14SP07 US	65	5	0.00	0.00	0.00	15000	-----	-----	---

===>Grouped by Line: 008-18"-FDW-14, No Sorting.

OUTLET E-1-1A	31	5	0.00	0.00	0.00	15000	-----	-----	---
FD14EL01	4	21	0.00	0.00	0.00	15000	-----	-----	---
FD14SP01	58	5	0.00	0.00	0.00	15000	-----	-----	---
FD14EL02	2	21	0.00	0.00	0.00	15000	-----	-----	---
FD14TE01(U/S)	15	21	0.00	0.00	0.00	15000	-----	-----	---
FD14TE01(D/S)	15	21	0.00	0.00	0.00	15000	-----	-----	---
FD14RD01(L/E)	7	21	0.00	0.00	0.00	15000	114614	-----	139
FD14RD01(S/E)	7	21	0.00	0.00	0.00	15000	114614	-----	66

===>Grouped by Line: 009-16"-FDW-14, No Sorting.

FD14SP07 DS	65	5	0.00	0.00	0.00	15000	-----	-----	---
FD14EL06	2	21	0.00	0.00	0.00	15000	-----	-----	---
FD14SP08 US	52	5	0.00	0.00	0.00	15000	-----	-----	---
FD14SP08 DS	52	5	0.00	0.00	0.00	15000	-----	-----	---
FD14EL07	2	21	0.00	0.00	0.00	15000	-----	-----	---

===>Grouped by Line: 009-16"-FDW-16, No Sorting.

FD16SP01 US	58	5	0.00	0.00	0.00	15000	-----	-----	---
FD16SP01 DS	58	5	0.00	0.00	0.00	15000	-----	-----	---
FD16TE01(U/S)	15	21	0.00	0.00	0.00	15000	-----	-----	---
FD16TE01(D/S)	15	21	0.00	0.00	0.00	15000	-----	-----	---
FD16SP02	65	5	0.00	0.00	0.00	15000	-----	-----	---
FD16SP03	58	5	0.00	0.00	0.00	15000	-----	-----	---
FD16SP04	58	5	0.00	0.00	0.00	15000	-----	-----	---
FD16SP05	58	5	0.00	0.00	0.00	15000	-----	-----	---
*Replacement #1	58	5	0.00	0.00	0.00	15000	-----	114614	---
FD16EL01	4	21	0.00	0.00	0.00	15000	-----	-----	---

===>Grouped by Line: 010-10"-FDW-19, No Sorting.

FD19SP04	57	5	0.00	0.00	0.00	15000	183618	-----	162
FD19SP05	9	5	0.00	0.00	0.00	15000	-----	-----	---
FD19EL03	2	21	0.00	0.00	0.00	15000	-----	-----	---
FD19SP06 US	52	5	0.00	0.00	0.00	15000	-----	-----	---
FD19SP06 DS	52	5	0.00	0.00	0.00	15000	-----	-----	---
FD19EL04	1	21	0.00	0.00	0.00	15000	-----	-----	---
FD19SP07	51	5	0.00	0.00	0.00	15000	-----	-----	---
FD19SP08	9	5	0.00	0.00	0.00	15000	-----	-----	---
FD19EL05	2	21	0.00	0.00	0.00	15000	-----	-----	---
FD19SP09 US	52	5	0.00	0.00	0.00	15000	-----	-----	---
FD19SP09 DS	52	5	0.00	0.00	0.00	15000	-----	-----	---
RX NOZZLE 4A	30	83	16.00	0.00	2.00	13725	-----	-----	---

===>Grouped by Line: 010-10"-FDW-21, No Sorting.

FD21SP01 US	64	5	0.00	0.00	0.00	15000	183618	-----	125
FD21SP01 DS	64	5	0.00	0.00	0.00	15000	-----	-----	---
FD21EL01	1	21	0.00	0.00	0.00	15000	-----	-----	---
FD21SP02	51	5	0.00	0.00	0.00	15000	-----	-----	---
FD21SP03	9	5	0.00	0.00	0.00	15000	-----	-----	---
FD21EL02	2	21	0.00	0.00	0.00	15000	-----	-----	---
FD21SP04 US	52	5	0.00	0.00	0.00	15000	-----	-----	---
FD21SP04 DS	52	5	0.00	0.00	0.00	15000	-----	-----	---
NOZZLE 4B	30	83	16.00	0.00	2.00	13725	-----	-----	---

===>Grouped by Line: 010-16"-FDW-19, No Sorting.

FD19SP01 US	58	5	0.00	0.00	0.00	15000	-----	-----	---
FD19SP01 DS	58	5	0.00	0.00	0.00	15000	-----	-----	---
FD19EL01	2	21	0.00	0.00	0.00	15000	-----	-----	---
FD19SP02	52	5	0.00	0.00	0.00	15000	-----	-----	---

FD19EL02	1	21	0.00	0.00	0.00	15000	-----	-----	---
FD19SP03 US	51	5	0.00	0.00	0.00	15000	-----	-----	---
FD19SP03 DS	51	5	0.00	0.00	0.00	15000	137270	-----	67
FD19TE01(U/S)	14	21	0.00	0.00	0.00	15000	137270	-----	283
FD19TE01(D/S)	14	21	0.00	0.00	0.00	15000	137270	-----	245
FD19TE01(BR.)	14	21	0.00	0.00	0.00	15000	137270	-----	144
D19RD01(L/E)	7	21	0.00	0.00	0.00	15000	137270	-----	197
D19RD01(S/E)	7	21	0.00	0.00	0.00	15000	137270	-----	238

===>Grouped by Line: 011-18"-FDW-08, No Sorting.

FD08RD01(L/E)	7	21	0.00	0.00	0.00	15000	-----	-----	---
FD08RD01(S/E)	7	21	0.00	0.00	0.00	15000	-----	-----	---
FD08EL01	4	21	0.00	0.00	0.00	15000	183618	-----	414
FD08SP01 US	54	5	0.00	0.00	0.00	15000	183618	-----	130
FD08SP01 DS	54	5	0.00	0.00	0.00	15000	-----	-----	---
FD08EL02	2	21	0.00	0.00	0.00	15000	-----	-----	---
FD08RD02(L/E)	7	21	0.00	0.00	0.00	15000	-----	-----	---
FD08RD02(S/E)	7	21	0.00	0.00	0.00	15000	-----	-----	---
FD08RD03(L/E)	18	21	0.00	0.00	0.00	15000	-----	-----	---
FD08RD03(S/E)	18	21	0.00	0.00	0.00	15000	-----	-----	---
FD08SP02	68	5	0.00	0.00	0.00	15000	183618	-----	192
FD08EL03	2	21	0.00	0.00	0.00	15000	102975	-----	310
FD08SP03 US	52	5	0.00	0.00	0.00	15000	102975	-----	164
FD08SP03 DS	52	5	0.00	0.00	0.00	15000	-----	-----	---
FD08EL04	4	21	0.00	0.00	0.00	15000	183618	-----	638
FD08SP04	54	5	0.00	0.00	0.00	15000	183618	-----	151
FD08EL05	2	21	0.00	0.00	0.00	15000	183618	-----	416
FD08SP05 US	52	5	0.00	0.00	0.00	15000	183618	-----	194

===>Grouped by Line: 012-18"-FDW-08, No Sorting.

FD08SP05 DS	52	5	0.00	0.00	0.00	15000	-----	-----	---
FD08TE01(U/S)	15	21	0.00	0.00	0.00	15000	-----	-----	---
FD08TE01(D/S)	15	21	0.00	0.00	0.00	15000	-----	-----	---
FD08EL06	4	21	0.00	0.00	0.00	15000	171740	-----	275
FD08SP06 US	54	5	0.00	0.00	0.00	15000	171740	-----	158
FD08SP06 DS	54	5	0.00	0.00	0.00	15000	-----	-----	---
FD08EL07	2	21	0.00	0.00	0.00	15000	-----	-----	---
FD08EL08	4	21	0.00	0.00	0.00	15000	-----	-----	---
INLET E-2-1B	30	5	0.00	0.00	0.00	15000	-----	-----	---

===>Grouped by Line: 013-18"-FDW-13, No Sorting.

TLET E-2-1B	31	5	0.00	0.00	0.00	15000	-----	-----	---
3EL01	4	21	0.00	0.00	0.00	15000	-----	-----	---
13SP01 US	54	5	0.00	0.00	0.00	15000	-----	-----	---
FD13SP01 DS	54	5	0.00	0.00	0.00	15000	-----	-----	---
FD13EL02	2	21	0.00	0.00	0.00	15000	-----	-----	---
FD13SP02 US	52	5	0.00	0.00	0.00	15000	-----	-----	---
FD13SP02 DS	52	5	0.00	0.00	0.00	15000	-----	-----	---
FD13EL03	2	21	0.00	0.00	0.00	15000	-----	-----	---
FD13SP03	52	5	0.00	0.00	0.00	15000	-----	-----	---
FD13SP04	9	5	0.00	0.00	0.00	15000	-----	-----	---
FD13EL04	2	21	0.00	0.00	0.00	15000	-----	-----	---
FD13SP05 US	52	5	0.00	0.00	0.00	15000	-----	-----	---
FD13SP05 DS	52	5	0.00	0.00	0.00	15000	-----	-----	---
FD13EL05	2	21	0.00	0.00	0.00	15000	160352	-----	433
FD13SP06	52	5	0.00	0.00	0.00	15000	160352	-----	174
FD13SP07	9	5	0.00	0.00	0.00	15000	-----	-----	---
FD13EL06	1	21	0.00	0.00	0.00	15000	-----	-----	---
FD13EL07	4	21	0.00	0.00	0.00	15000	-----	-----	---
FD13TE01(U/S)	15	21	0.00	0.00	0.00	15000	-----	-----	---
FD13TE01(D/S)	15	21	0.00	0.00	0.00	15000	-----	-----	---
FD13SP08 US	65	5	0.00	0.00	0.00	15000	-----	-----	---
FD13SP08 DS	65	5	0.00	0.00	0.00	15000	-----	-----	---
FD13EL08	2	21	0.00	0.00	0.00	15000	-----	-----	---
FD13EL09	4	21	0.00	0.00	0.00	15000	-----	-----	---
INLET E-1-1B	30	5	0.00	0.00	0.00	15000	-----	-----	---

===>Grouped by Line: 014-16"-FDW-15, No Sorting.

FD15SP02	57	5	0.00	0.00	0.00	15000	-----	-----	---
FD15EL03	1	21	0.00	0.00	0.00	15000	-----	-----	---
FD15SP09	51	5	0.00	0.00	0.00	15000	-----	-----	---
FD15EL04	4	21	0.00	0.00	0.00	15000	171740	-----	422
FD15SP10	54	5	0.00	0.00	0.00	15000	171740	-----	179
FD15EL05	4	21	0.00	0.00	0.00	15000	171740	-----	180
FD15SP03	54	5	0.00	0.00	0.00	15000	171740	-----	210
FD15SP04	9	5	0.00	0.00	0.00	15000	-----	-----	---
FD15FE01A	9	5	0.00	0.00	0.00	15000	-----	-----	---
FD15FE01	6	5	18.00	0.00	0.00	15000	-----	-----	---
5FE01B	56	5	0.00	0.00	0.00	15000	-----	-----	---
5SP05 US	56	5	0.00	0.00	0.00	15000	-----	-----	---
FD15SP05 DS	56	5	0.00	0.00	0.00	15000	-----	-----	---
FD15EL06	2	21	0.00	0.00	0.00	15000	-----	-----	---
FD15TE02(U/S)	15	21	0.00	0.00	0.00	15000	-----	-----	---
FD15TE02(D/S)	15	21	0.00	0.00	0.00	15000	-----	-----	---
FD15CP01	65	21	0.00	0.00	0.00	15000	-----	-----	---
FD15SP06	65	5	0.00	0.00	0.00	15000	-----	-----	---

===>Grouped by Line: 014-18"-FDW-15, No Sorting.

OUTLET E-1-1B	31	5	0.00	0.00	0.00	15000	-----	-----	---
FD15EL01	4	21	0.00	0.00	0.00	15000	-----	-----	---
FD15SP01	58	5	0.00	0.00	0.00	15000	-----	-----	---
D15EL02	2	21	0.00	0.00	0.00	15000	-----	-----	---
D15TE01(U/S)	15	21	0.00	0.00	0.00	15000	-----	-----	---
FD15TE01(D/S)	15	21	0.00	0.00	0.00	15000	-----	-----	---
FD15RD01(L/E)	7	21	0.00	0.00	0.00	15000	-----	-----	---
FD15RD01(S/E)	7	21	0.00	0.00	0.00	15000	-----	-----	---

===>Grouped by Line: 015-16"-FDW-15, No Sorting.

FD15SP07	9	5	0.00	0.00	0.00	15000	-----	-----	---
FD15EL07	2	21	0.00	0.00	0.00	15000	171740	-----	364
FD15SP08 US	52	5	0.00	0.00	0.00	15000	171740	-----	82
FD15SP08 DS	52	5	0.00	0.00	0.00	15000	-----	-----	---
FD15EL08	2	21	0.00	0.00	0.00	15000	-----	-----	---

===>Grouped by Line: 015-16"-FDW-17, No Sorting.

FD17SP01 US	58	5	0.00	0.00	0.00	15000	-----	-----	---
FD17SP01 DS	58	5	0.00	0.00	0.00	15000	-----	-----	---
FD17TE01(U/S)	15	5	0.00	0.00	0.00	15000	-----	-----	---
FD17TE01(D/S)	15	5	0.00	0.00	0.00	15000	-----	-----	---
FD17SP02	65	5	0.00	0.00	0.00	15000	-----	-----	---
FD17SP03	58	5	0.00	0.00	0.00	15000	-----	-----	---
FD17SP04	58	5	0.00	0.00	0.00	15000	-----	-----	---
FD17SP05	58	5	0.00	0.00	0.00	15000	-----	-----	---
*Replacement #1	58	5	0.00	0.00	0.00	15000	-----	114614	---
FD17EL01	4	21	0.00	0.00	0.00	15000	-----	-----	---

===>Grouped by Line: 016-10"-FDW-18, No Sorting.

FD18SP04 US	64	5	0.00	0.00	0.00	15000	148782	-----	140
FD18SP04 DS	64	5	0.00	0.00	0.00	15000	-----	-----	---
FD18EL03	1	21	0.00	0.00	0.00	15000	-----	-----	---
FD18SP05	51	5	0.00	0.00	0.00	15000	-----	-----	---
FD18SP06	9	5	0.00	0.00	0.00	15000	-----	-----	---
FD18EL04	2	21	0.00	0.00	0.00	15000	-----	-----	---
FD18SP07 US	52	5	0.00	0.00	0.00	15000	-----	-----	---
FD18SP07 DS	52	5	0.00	0.00	0.00	15000	-----	-----	---
RX NOZZLE 4C	30	83	16.00	0.00	2.00	13725	-----	-----	---

=>Grouped by Line: 016-10"-FDW-20, No Sorting.

FD20RD01(L/E)	7	21	0.00	0.00	0.00	15000	148782	-----	184
FD20RD01(S/E)	7	21	0.00	0.00	0.00	15000	148782	-----	265
FD20SP01	57	5	0.00	0.00	0.00	15000	148782	-----	105
FD20SP02	9	5	0.00	0.00	0.00	15000	-----	-----	---
FD20EL01	2	21	0.00	0.00	0.00	15000	-----	-----	---
FD20SP03 US	52	5	0.00	0.00	0.00	15000	-----	-----	---
FD20SP03 DS	52	5	0.00	0.00	0.00	15000	-----	-----	---
FD20EL02	1	21	0.00	0.00	0.00	15000	-----	-----	---
FD20SP04	51	5	0.00	0.00	0.00	15000	-----	-----	---
FD20SP05	9	5	0.00	0.00	0.00	15000	-----	-----	---
FD20EL03	2	21	0.00	0.00	0.00	15000	-----	-----	---
FD20SP06 US	52	5	0.00	0.00	0.00	15000	-----	-----	---
FD20SP06 DS	52	5	0.00	0.00	0.00	15000	-----	-----	---
RX NOZZLE 4D	30	83	16.00	0.00	2.00	13725	-----	-----	---

===>Grouped by Line: 016-16"-FDW-18, No Sorting.

FD18SP01 US	58	5	0.00	0.00	0.00	15000	-----	-----	---
FD18SP01 DS	58	5	0.00	0.00	0.00	15000	-----	-----	---
FD18EL01	2	21	0.00	0.00	0.00	15000	-----	-----	---
FD18SP02 US	52	5	0.00	0.00	0.00	15000	-----	-----	---
FD18SP02 DS	52	5	0.00	0.00	0.00	15000	-----	-----	---
FD18EL02	1	21	0.00	0.00	0.00	15000	-----	-----	---
FD18SP03 US	51	5	0.00	0.00	0.00	15000	-----	-----	---
FD18SP03 DS	51	5	0.00	0.00	0.00	15000	-----	-----	---
FD18TE01(U/S)	14	21	0.00	0.00	0.00	15000	148782	-----	638
FD18TE01(D/S)	14	21	0.00	0.00	0.00	15000	148782	-----	423
FD18TE01(BR.)	14	21	0.00	0.00	0.00	15000	-----	-----	---

Company: Vermont Yankee Nuclear Power Corporation
Plant: Vermont Yankee
Unit:
DB Name: VY

Report Date: 25-OCT-2001 Time: 09:21:18
Analysis Date: 14-SEP-2000 Time: 10:21:56
CHECWORKS FAC Version 1.0F (Build 52)

THROUGH CYCLE 21
2001 RFO
UP 1999 UP DATA

****
*** Wear Rate Analysis: Combined Rankings for Inspection ***
****

Run Name: Feedwater
Ending Period: CYCLE 21
Total Plant Operating Hours: 195496
WRA Data Option: Ignore NFA
Line Correction Factor: 0.891

Duty Factor (Global): 1.000
Exclude Measure Wear: No

Component Name	Geometry Code	Average Wear Rate (mils/year)	Component Predicted Time to Tcrit (hrs) Non-Inspected	Inspected
FD03EL03	1	19.611	------	212096
FD03EL07	2	21.988	------	298680
FD14FE01	6	0.119	25426598	------
FD07RD02(S/E)	7	31.580	-11251	------
FD02SP02 DS	54	19.017	------	57557
OUTLET P-1-1A	31	39.802	-101949	------
FD03EL02	4	21.988	-102380	------
OUTLET P-1-1C	31	39.802	-13154	------
OUTLET P-1-1B	31	39.802	------	24370
FD01TE04(BR.)	12	20.205	-94164	------
FD08RD02(S/E)	7	31.580	235964	------
FD01TE01(BR.)	12	20.205	-94164	------
INLET E-2-1B	30	20.509	-81766	------
FD07RD03(S/E)	18	27.632	-3754	------
INLET E-2-1A	30	20.509	-81766	------
FD08RD03(S/E)	18	27.632	210536	------
FD07EL03	2	18.971	-72545	------
FD01RD01(S/E)	18	22.289	98025	------
FD07EL12	4	18.971	-72545	------
FD02RD01(S/E)	18	22.289	------	139253
FD07EL10	4	18.971	-72545	------
FD03RD01(S/E)	18	22.289	------	108526
FD07EL05	4	18.971	-72545	------
FD03EL06	4	21.988	------	228948
FD07EL11	2	18.971	-72545	------
FD01EL05	2	21.988	5014	------
FD08EL05	2	18.971	------	-72545
FD03EL05	2	21.988	------	115875
FD08EL07	2	18.971	-72545	------
FD01EL01	4	21.988	------	35936
FD08EL04	4	18.971	------	-72545
FD08EL08	4	18.971	-72545	------
FD02EL02	4	21.988	------	81205
FD08EL02	2	18.971	-72545	------
FD02EL01	4	21.988	31863	------
OUTLET E-2-1B	31	17.536	-62485	------
FD01EL02	4	21.988	------	82913
OUTLET E-2-1A	31	17.536	-62485	------
FD01EL03	2	21.988	62178	------
FD03SP07 US	52	14.857	-57417	------
FD02EL03	2	21.988	------	224107
FD03SP07 DS	52	14.857	------	-57417
FD07EL08	1	16.920	-57354	------
FD02EL05	2	21.988	------	227906
FD07SP01 DS	54	16.408	-50922	------
FD02EL04	2	21.988	5014	------
FD08RD01(S/E)	7	16.408	-50922	------
FD03EL04	4	21.988	------	185726
FD08SP04	54	16.408	------	-50922
FD01EL04	2	21.988	------	62940
FD08SP06 DS	54	16.408	-50922	------
FD03EL01	4	21.988	------	152833
FD07SP05	54	16.408	-50922	------
FD01TE04(U/S)	12	21.424	282849	------
FD08SP01 DS	54	16.408	-50922	------
FD01TE01(U/S)	12	21.424	213332	------
FD07SP10 DS	54	16.408	-50922	------
FD01TE02(U/S)	12	21.424	94362	------
FD07SP11	54	16.408	-50922	------
FD07TE01(D/S)	15	15.382	-36069	------
FD08TE01(D/S)	15	15.382	-36069	------
FD08TE01(U/S)	15	15.382	-36069	------
FD01TE02(BR.)	12	20.205	389827	------
FD07TE01(U/S)	15	15.382	-36069	------
FD03SP01	58	13.074	-30757	------
FD03SP06	54	19.017	------	-25659
FD02SP02 US	54	19.017	------	26002
OUTLET E-1-1A	31	14.353	-24849	------
FD01SP02 US	54	19.017	86412	------
OUTLET E-1-1B	31	14.353	-24849	------
INLET E-1-1B	30	14.029	-19787	------
FD03SP02 DS	54	19.017	------	-6884

INLET E-1-1A	30	14.029	-19787	------
FD03SP04 DS	54	19.017	------	27087
FD17EL01	4	12.310	-19701	------
FD03SP02 US	54	19.017	------	18877
FD14EL07	2	12.310	-19701	------
FD14EL06	2	12.310	-19701	------
FD03SP04 US	54	19.017	------	-12754
FD16EL01	4	12.310	-19701	------
FD01SP02 DS	54	19.017	26739	------
FD15EL06	2	12.310	-19701	------
FD07EL01	4	18.971	------	3455
FD15EL08	2	12.310	-19701	------
FD08EL01	4	18.971	------	141951
FD14EL05	2	12.310	-19701	------
FD07EL04	2	18.971	------	62619
FD14EL04	2	12.310	-19701	------
FD08EL03	2	18.971	------	74996
FD07EL06	2	18.971	------	48402
FD07EL09	4	18.971	------	43383
FD07EL02	2	18.971	------	113069
FD01TE05(D/S)	15	17.828	------	-5009
FD13EL08	2	12.977	341	------
FD12EL03	2	12.977	341	------
FD12EL01	4	12.977	341	------
FD12EL04	2	12.977	341	------
FD08EL06	4	18.971	------	130072
FD13EL02	2	12.977	341	------
FD13EL09	4	12.977	341	------
FD12EL07	2	12.977	341	------
FD13EL03	2	12.977	341	------
FD07EL07	2	18.971	------	41437
FD13EL04	2	12.977	341	------
FD12EL02	2	12.977	341	------
FD18TE01(U/S)	14	18.299	------	136049
FD12EL06	2	12.977	341	------
FD19TE01(U/S)	14	18.299	------	792067
FD12EL09	4	12.977	341	------
FD08RD02(L/E)	7	17.946	46801	------
FD13EL07	4	12.977	341	------
FD07RD02(L/E)	7	17.946	26722	------
FD12EL05	2	12.977	341	------
FD13EL01	4	12.977	341	------
FD03RD01(L/E)	18	17.828	------	1955
FD03TE01(U/S)	15	17.828	------	60567
FD01TE05(U/S)	15	17.828	------	98294
FD07SP08 DS	52	12.818	3660	------
FD02TE01(U/S)	15	17.828	------	55420
FD08SP05 US	52	12.818	------	3660
FD03TE01(D/S)	15	17.828	------	72020
FD08SP03 DS	52	12.818	3660	------
FD01RD01(L/E)	18	17.828	34168	------
FD07SP02 DS	52	12.818	3660	------
FD02RD01(L/E)	18	17.828	------	10281
FD08SP05 DS	52	12.818	3660	------
FD02TE01(D/S)	15	17.828	------	8567
FD07SP02 US	52	12.818	3660	------
FD07SP01 US	54	16.408	------	7212
FD07SP10 US	54	16.408	------	47970
FD08SP06 US	54	16.408	------	72853
FD01SP06 US	62	7.002	------	31286
FD08SP01 US	54	16.408	------	104496
FD01SP11	54	11.203	------	32854
FD07RD01(S/E)	7	16.408	45277	------
FD13EL06	1	11.574	32873	------
FD16TE01(D/S)	15	9.981	38245	------
FD07RD03(L/E)	18	15.382	57730	------
FD16TE01(U/S)	15	9.981	38245	------
FD15TE02(D/S)	15	9.981	38245	------
FD17TE01(D/S)	15	9.981	38245	------
FD08RD03(L/E)	18	15.382	74908	------
FD17TE01(U/S)	15	9.981	38245	------
FD02SP04 DS	52	14.857	71752	------
FD14TE02(U/S)	15	9.981	38245	------
FD01SP05 DS	52	14.857	136505	------
FD15TE02(U/S)	15	9.981	38245	------
FD02SP05 DS	52	14.857	------	74638
FD14TE02(D/S)	15	9.981	38245	------
FD02SP04 US	52	14.857	------	79489
FD03SP05	52	14.857	------	38601
FD19SP02	52	7.773	39196	------
FD18SP02 DS	52	7.773	39196	------
FD01SP05 US	52	14.857	71752	------
FD18SP02 US	52	7.773	39196	------
FD02SP03 DS	52	14.857	71752	------
FD01SP03 DS	52	14.857	71752	------
FD08SP02	68	12.818	------	42109
FD01SP04 DS	52	14.857	71752	------
FD13SP01 DS	54	11.223	42277	------
FD01SP04 US	52	14.857	71752	------
FD12SP01 DS	54	11.223	42277	------

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FD13SP01 US	54	11.223	42277	------
FD02SP05 US	52	14.857	71752	------
FD12SP01 US	54	11.223	42277	------
FD02SP03 US	52	14.857	------	62274
FD01SP03 US	52	14.857	------	55457
FD01TE01(D/S)	12	14.354	448221	------
FD01TE04(D/S)	12	14.354	349481	------
FD07SP04	52	12.818	------	47366
FD01TE02(D/S)	12	14.354	141981	------
FD19EL03	2	13.876	87305	------
FD21EL02	2	13.876	87305	------
FD15SP10	54	10.647	------	57791
FD19EL05	2	13.876	87305	------
FD15EL02	2	10.621	59868	------
FD18EL04	2	13.876	87305	------
FD15EL01	4	10.621	59868	------
FD20EL01	2	13.876	87305	------
FD14EL01	4	10.621	59868	------
FD20EL03	2	13.876	87305	------
FD14EL02	2	10.621	59868	------
FD19TE01(BR.)	14	13.126	------	260420
FD18TE01(BR.)	14	13.126	107611	------
FD01SP01	58	13.074	99812	------
FD03SP03	51	13.074	------	117635
FD02SP01	58	13.074	99812	------
FD12TE01(D/S)	15	10.522	62965	------
FD12TE01(U/S)	15	10.522	62965	------
FD12EL08	2	12.977	------	116904
FD13TE01(D/S)	15	10.522	62965	------
FD13TE01(U/S)	15	10.522	62965	------
FD14SP03 US	52	8.318	------	66575
FD15RD01(L/E)	7	10.047	69783	------
FD01EL07	4	12.953	70677	------
FD01EL06	2	12.953	70677	------
FD13EL05	2	12.977	------	88794
FD01EL08	4	12.953	112178	------
FD07RD01(L/E)	7	12.253	78133	------
FD15EL07	2	12.310	------	78235
FD07SP07	52	12.818	------	121455
FD18SP03 DS	51	6.840	81093	------
FD18SP03 US	51	6.840	81093	------
FD07SP08 US	52	12.818	------	133636
FD19SP01 US	58	6.840	81093	------
FD18SP01 DS	58	6.840	81093	------
FD19SP03 US	51	6.840	81093	------
FD07SP03	68	12.818	------	86148
FD18SP01 US	58	6.840	81093	------
FD19SP01 DS	58	6.840	81093	------
FD08SP03 US	52	12.818	------	82459
FD19TE01(D/S)	14	12.421	------	1198697
FD14RD01(L/E)	7	10.047	------	83575
FD18TE01(D/S)	14	12.421	------	586495
FD20EL02	1	12.376	130378	------
FD19EL04	1	12.376	130378	------
FD21EL01	1	12.376	130378	------
FD18EL03	1	12.376	130378	------
FD18EL01	2	12.310	291841	------
FD01SP10 DS	65	7.002	------	88583
FD19EL01	2	12.310	291841	------
FD08RD01(L/E)	7	12.253	90033	------
FD15EL04	4	12.310	------	109666
FD14SP02	57	8.318	------	97359
FD15EL05	4	12.310	------	97749
FD14FE01A	52	8.318	99504	------
FD15SP08 DS	52	8.318	99504	------
FD14EL03	2	12.310	------	129276
FD14SP08 DS	52	8.318	99504	------
FD14SP03 DS	52	8.318	99504	------
FD14SP08 US	52	8.318	99504	------
FD20RD01(S/E)	7	12.001	------	268232
FD14SP04	52	8.318	99504	------
FD19RD01(S/E)	7	12.001	------	298755
FD07SP09	51	11.280	------	130482
FD01SP06 DS	62	7.002	107515	------
FD01SP09	54	11.203	123603	------
FD18EL02	1	10.979	359706	------
FD15EL03	1	10.979	140093	------
FD19EL02	1	10.979	359706	------
FD14RD01(S/E)	7	10.647	------	183471
FD15SP03	54	10.647	------	128015
FD15RD01(S/E)	7	10.647	142402	------
FD15SP02	57	8.318	129078	------
FD12SP06	52	8.768	129167	------
FD12SP05 DS	52	8.768	129167	------
FD12SP09	52	8.768	129167	------
FD12SP03	52	8.768	129167	------
FD13SP05 DS	52	8.768	129167	------
FD12SP02	52	8.768	129167	------
FD13SP02 US	52	8.768	129167	------
FD12SP08	52	8.768	129167	------

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FD01TE03(U/S)	15	10.503	149712	------
FD13SP03	52	8.768	129167	------
FD01TE03(D/S)	15	10.503	149712	------
FD13SP05 US	52	8.768	129167	------
FD13SP02 DS	52	8.768	129167	------
FD12SP05 US	52	8.768	129167	------
FD20SP03 US	52	9.376	257874	------
FD15SP09	51	7.320	136009	------
FD20SP03 DS	52	9.376	257874	------
FD19SP09 US	52	9.376	257874	------
FD19SP04	57	9.376	------	314237
FD20SP06 US	52	9.376	257874	------
FD19SP09 DS	52	9.376	257874	------
FD19SP06 US	52	9.376	257874	------
FD18SP07 US	52	9.376	257874	------
FD19SP06 DS	52	9.376	257874	------
FD17SP04	58	7.320	149624	------
FD20SP01	57	9.376	------	321906
FD16SP01 DS	58	7.320	149624	------
FD21SP04 DS	52	9.376	257874	------
FD16SP03	58	7.320	149624	------
FD21SP04 US	52	9.376	257874	------
FD17SP01 DS	58	7.320	149624	------
FD18SP07 DS	52	9.376	257874	------
FD16SP04	58	7.320	149624	------
FD20SP06 DS	52	9.376	257874	------
FD17SP03	58	7.320	149624	------
FD16SP01 US	58	7.320	149624	------
FD17SP01 US	58	7.320	149624	------
FD01SP07 US	62	7.002	------	153080
FD13SP06	52	8.768	------	167418
FD14TE01(U/S)	15	8.612	169444	------
FD15TE01(U/S)	15	8.612	172986	------
FD14SP07 US	65	6.654	191391	------
FD14SP07 DS	65	6.654	191391	------
FD01SP08	52	8.752	233264	------
FD16SP02	65	6.654	191391	------
FD17SP02	65	6.654	191391	------
FD14TE01(D/S)	15	8.612	194549	------
FD15SP06	65	6.654	191391	------
FD15TE01(D/S)	15	8.612	219011	------
FD19SP03 DS	51	6.840	------	194753
FD14SP06 US	56	6.102	195791	------
FD15SP08 US	52	8.318	------	226828
FD12SP10 US	65	7.015	228471	------
FD12SP10 DS	65	7.015	228471	------
FD20SP04	51	8.251	329590	------
FD13SP08 US	65	7.015	228471	------
FD19SP07	51	8.251	329590	------
FD13SP08 DS	65	7.015	228471	------
FD18SP05	51	8.251	329590	------
FD21SP02	51	8.251	329590	------
FD15SP05 DS	56	6.102	232959	------
FD19RD01(L/E)	7	7.904	------	713175
FD14SP06 DS	56	6.102	232959	------
FD20RD01(L/E)	7	7.904	------	773313
FD15SP05 US	56	6.102	232959	------
FD14FE01B	56	6.102	232959	------
FD15FE01B	56	6.102	232959	------
FD18SP04 US	64	7.501	------	472922
FD21SP01 US	64	7.501	------	515856
FD18SP04 DS	64	7.501	389354	------
FD21SP01 DS	64	7.501	389354	------
FD07SP06	9	6.602	259530	------
FD14SP01	58	6.315	283446	------
FD01SP07 DS	62	7.002	358592	------
FD15SP01	58	6.315	283446	------
FD01SP10 US	65	7.002	358592	------
FD16SP05	58	6.396	320762	------
FD17SP05	58	6.396	320762	------
FD15SP07	9	4.664	387460	------
FD15SP04	9	4.664	387460	------
FD15FE01A	9	4.664	387460	------
FD14SP05	9	4.664	387460	------
FD13SP07	9	4.540	499063	------
FD12SP04	9	4.540	499063	------
FD19SP08	9	5.439	638480	------
FD12SP07	9	4.540	499063	------
FD20SP02	9	5.439	638480	------
FD13SP04	9	4.540	499063	------
FD20SP05	9	5.439	638480	------
FD18SP06	9	5.439	638480	------
FD19SP05	9	5.439	638480	------
FD21SP03	9	5.439	638480	------
FD14CP01	62	0.193	12098044	------
FD15CP01	65	0.193	12098044	------
FD15FE01	6	0.119	25426598	------
RX NOZZLE 4C	30	0.028	52872436	------
RX NOZZLE 4B	30	0.028	52872436	------
RX NOZZLE 4D	30	0.028	52872436	------

RX NOZZLE 4A	30	0.028	52872436	------

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Company: Vermont Yankee Nuclear Power Corporation
Plant: Vermont Yankee
Unit:
DB Name: VY

Report Date: 25-OCT-2001 Time: 11:32
Analysis Date: 14-SEP-2000 Time: 10:21:56
CHECWORKS FAC Version 1.0F (Build 52)

THROUGH CYCLE 21
(2001 RFO)

****
*** Wear Rate Analysis: Combined Summary Report ***
****

Run Name: Feedwater
Ending Period: CYCLE 21
Total Plant Operating Hours: 195496
WRA Data Option: Ignore NFA
Line Correction Factor: 0.891

Duty Factor (Global): 1.000
Exclude Measure Wear: No

Component Name	Geom. Code	Average Wear Rate (mils/year)	Current Wear Rate (mils/year)	Thickness (in) Init.	Prd.[1]	Thoop	Tcrit	Component Predict[1] Time to Tcrit (hrs) Non-Insp.	Insp.	Total Lifetime Wear (mils) Prd.[2]	Meas.	In-Service Cmp. Wear (mils) Prd.[2]	Meas.	In-Service Cmp. Tmeas (in)[4]	Method [3]	Time (hrs)[4]	Time(hrs) Last Inspected
===>Grouped by Line: 001-16"-FDW-01, No Sorting.																	
OUTLET P-1-1A	31	39.802	29.029	1.000	0.556	0.769	0.769	-101949	------	---	---	---	---	1.000	--	0	-----
FD01RD01(L/E)	18	17.828	13.003	1.219	1.015	0.964	0.964	34168	------	---	---	---	---	1.062	MT	137270	-----
FD01RD01(S/E)	18	22.289	16.256	1.000	0.950	0.769	0.769	98025	------	---	---	---	---	1.009	MT	137270	-----
FD01EL01	4	21.988	16.037	1.219	1.030	0.964	0.964	------	35936	223.6	298.0	223.6	298.0	1.052	GW	171740	171740
FD01TE05(U/S)	15	17.828	13.003	1.219	1.110	0.964	0.964	------	98294	168.7	342.0	168.7	342.0	1.128	GW	171740	160352
FD01TE05(D/S)	15	17.828	13.003	1.219	0.961	0.964	0.964	------	-5009	168.7	261.0	168.7	261.0	0.991	GW	160352	160352
FD01SP01	58	13.074	9.535	1.219	1.073	0.964	0.964	99812	------	---	---	---	---	1.219	--	0	-----
FD01EL02	4	21.988	16.037	1.219	1.116	0.964	0.964	------	82913	223.6	455.0	223.6	455.0	1.138	GW	171740	171740
FD01SP02 US	54	19.017	13.870	1.219	1.101	0.964	0.964	86412	------	---	---	---	---	1.178	MT	114614	-----
FD01SP02 DS	54	19.017	13.870	1.219	1.007	0.964	0.964	26739	------	---	---	---	---	1.219	--	0	-----
FD01EL03	2	21.988	16.037	1.219	1.078	0.964	0.964	62178	------	---	---	---	---	1.167	MT	114614	-----
FD01SP03 US	52	14.857	10.836	1.219	1.033	0.964	0.964	------	55457	105.8	163.0	105.8	163.0	1.093	MT	114614	114614
FD01SP03 DS	52	14.857	10.836	1.219	1.053	0.964	0.964	71752	------	---	---	---	---	1.219	--	0	-----
FD01EL04	2	21.988	16.037	1.219	1.080	0.964	0.964	------	62940	208.0	102.0	208.0	102.0	1.117	GW	160352	160352
FD01SP04 US	52	14.857	10.836	1.219	1.053	0.964	0.964	71752	------	---	---	---	---	1.219	--	0	-----
FD01SP04 DS	52	14.857	10.836	1.219	1.053	0.964	0.964	71752	------	---	---	---	---	1.219	--	0	-----
FD01EL05	2	21.988	16.037	1.219	0.974	0.964	0.964	5014	------	---	---	---	---	1.219	--	0	-----
FD01SP05 US	52	14.857	10.836	1.219	1.053	0.964	0.964	71752	------	---	---	---	---	1.219	--	0	-----
FD01SP05 DS	52	14.857	10.836	1.219	1.133	0.964	0.964	136505	------	---	---	---	---	1.204	MT	102975	-----
===>Grouped by Line: 002-16"-FDW-02, No Sorting.																	
OUTLET P-1-1B	31	39.802	29.029	1.000	0.849	0.769	0.769	------	24370	424.4	271.0	424.4	271.0	0.869	GW	183618	183618
FD02RD01(L/E)	18	17.828	13.003	1.219	0.980	0.964	0.964	------	10281	160.7	201.0	160.7	201.0	1.018	MT	148782	148782
FD02RD01(S/E)	18	22.289	16.256	1.000	1.027	0.769	0.769	------	139253	200.9	291.0	200.9	291.0	1.038	GW	183618	148782
FD02EL01	4	21.988	16.037	1.219	1.023	0.964	0.964	31863	------	---	---	---	---	1.070	MT	148782	-----
FD02TE01(U/S)	15	17.828	13.003	1.219	1.047	0.964	0.964	------	55420	190.1	338.0	190.1	338.0	1.085	MT	148782	183618
FD02TE01(D/S)	15	17.828	13.003	1.219	0.977	0.964	0.964	------	8567	190.1	416.0	190.1	416.0	0.986	GW	183618	183618
FD02SP01	58	13.074	9.535	1.219	1.073	0.964	0.964	99812	------	---	---	---	---	1.219	--	0	-----
FD02EL02	4	21.988	16.037	1.219	1.113	0.964	0.964	------	81205	234.5	535.0	234.5	535.0	1.124	GW	183618	183618
FD02SP02 US	54	19.017	13.870	1.219	1.006	0.964	0.964	------	26002	148.8	143.0	148.8	143.0	1.069	MT	125911	125911
FD02SP02 DS	54	19.017	13.870	1.219	1.056	0.964	0.964	------	57557	202.8	154.0	202.8	154.0	1.065	GW	183618	183618
FD02EL03	2	21.988	16.037	1.219	1.375	0.964	0.964	------	224107	172.1	376.0	172.1	376.0	1.448	MT	125911	125911
FD02SP03 US	52	14.857	10.836	1.219	1.041	0.964	0.964	------	62274	116.3	168.0	116.3	168.0	1.091	MT	125911	125911
FD02SP03 DS	52	14.857	10.836	1.219	1.053	0.964	0.964	71752	------	---	---	---	---	1.219	--	0	-----
FD02EL04	2	21.988	16.037	1.219	0.974	0.964	0.964	5014	------	---	---	---	---	1.219	--	0	-----
FD02SP04 US	52	14.857	10.836	1.219	1.063	0.964	0.964	------	79489	140.6	183.0	140.6	183.0	1.088	GW	160352	160352
FD02SP04 DS	52	14.857	10.836	1.219	1.053	0.964	0.964	71752	------	---	---	---	---	1.219	--	0	-----
FD02EL05	2	21.988	16.037	1.219	1.382	0.964	0.964	------	227906	208.0	507.0	208.0	507.0	1.419	GW	160352	160352
FD02SP05 US	52	14.857	10.836	1.219	1.053	0.964	0.964	71752	------	---	---	---	---	1.219	--	0	-----
FD02SP05 DS	52	14.857	10.836	1.219	1.057	0.964	0.964	------	74638	140.6	184.0	140.6	184.0	1.082	GW	160352	160352
===>Grouped by Line: 003-16"-FDW-03, No Sorting.																	
OUTLET P-1-1C	31	39.802	29.029	1.000	0.725	0.769	0.769	-13154	------	---	---	---	---	0.934	MT	137270	-----
FD03RD01(L/E)	18	17.828	13.003	1.219	0.967	0.964	0.964	------	1955	304.2	168.0	304.2	168.0	1.061	MT	137270	137270
FD03RD01(S/E)	18	22.289	16.256	1.000	0.970	0.769	0.769	------	108526	380.4	415.0	380.4	415.0	0.992	GW	183618	137270
FD03EL01	4	21.988	16.037	1.219	1.244	0.964	0.964	------	152833	469.0	390.0	469.0	390.0	1.266	GW	183618	183618
FD03TE01(U/S)	15	17.828	13.003	1.219	1.054	0.964	0.964	------	60567	380.2	354.0	380.2	354.0	1.072	GW	183618	183618
FD03TE01(D/S)	15	17.828	13.003	1.219	1.071	0.964	0.964	------	72020	380.2	365.0	380.2	365.0	1.089	GW	183618	183618
FD03SP01	58	13.074	9.535	1.219	0.927	0.964	0.964	-30757	------	---	---	---	---	1.219	--	0	-----
FD03EL02	4	21.988	16.037	1.219	0.728	0.964	0.964	-102380	------	---	---	---	---	1.219	--	0	-----
FD03SP02 US	54	19.017	13.870	1.219	0.994	0.964	0.964	------	18877	342.7	136.0	342.7	136.0	1.076	MT	148782	148782
FD03SP02 DS	54	19.017	13.870	1.219	0.954	0.964	0.964	------	-6884	271.0	115.0	271.0	115.0	1.107	MT	114614	114614
FD03EL03	1	19.611	14.303	1.219	1.311	0.964	0.964	------	212096	279.4	274.0	279.4	274.0	1.469	MT	114614	114614
FD03SP03	51	13.074	9.535	1.219	1.093	0.964	0.964	------	117635	186.3	82.0	186.3	82.0	1.198	MT	114614	114614
FD03EL04	4	21.988	16.037	1.219	1.304	0.964	0.964	------	185726	344.2	353.0	344.2	353.0	1.451	MT	125911	125911

FD03SP04 US	54	19.017	13.870	1.219	0.944	0.964	0.964	------	-12754	297.7	133.0	297.7	133.0	1.071	MT	125911	125911
FD03SP04 DS	54	19.017	13.870	1.219	1.007	0.964	0.964	------	27087	342.7	130.0	342.7	130.0	1.089	MT	148782	148782
FD03EL05	2	21.988	16.037	1.219	1.177	0.964	0.964	------	115875	396.3	289.0	396.3	289.0	1.271	MT	148782	148782
FD03SP05	52	14.857	10.836	1.219	1.012	0.964	0.964	------	38601	267.8	137.0	267.8	137.0	1.076	MT	148782	148782
FD03EL06	4	21.988	16.037	1.219	1.384	0.964	0.964	------	228948	396.3	277.0	396.3	277.0	1.478	MT	148782	148782
FD03SP06	54	19.017	13.870	1.219	0.922	0.964	0.964	------	-25659	342.7	182.0	342.7	182.0	1.004	MT	148782	148782
FD03EL07	2	21.988	16.037	1.219	1.511	0.964	0.964	------	298680	469.0	456.0	469.0	456.0	1.533	GW	183618	183618
FD03SP07 US	52	14.857	10.836	1.219	0.887	0.964	0.964	-57417	------	---	---	---	---	1.219	--	0	-----
FD03SP07 DS	52	14.857	10.836	1.219	0.887	0.964	0.964	------	-57417	232.6	142.0	232.6	142.0	0.902	PW	183618	125911

===>Grouped by Line: 004-24"-FDW-01, No Sorting.

FD01TE01(U/S)	12	21.424	15.626	1.812	1.827	1.447	1.447	213332	------	---	---	---	---	1.970	MT	125911	-----
FD01TE01(D/S)	12	14.354	10.469	1.812	1.982	1.447	1.447	448221	------	---	---	---	---	2.078	MT	125911	-----
FD01TE01(BR.)	12	20.205	14.736	1.219	0.768	0.964	0.964	-94164	------	---	---	---	---	1.219	--	0	-----
FD01SP06 DS	62	7.002	5.107	1.812	1.509	1.447	1.447	107515	------	---	---	---	---	1.576	MT	102975	-----
FD01SP06 US	62	7.002	5.107	1.812	1.465	1.447	1.447	------	31286	126.2	317.0	126.2	317.0	1.495	MT	148782	148782
FD01TE02(U/S)	12	21.424	15.626	1.812	1.615	1.447	1.447	94362	------	---	---	---	---	1.707	MT	148782	-----
FD01TE02(D/S)	12	14.354	10.469	1.812	1.616	1.447	1.447	141981	------	---	---	---	---	1.678	MT	148782	-----
FD01TE02(BR.)	12	20.205	14.736	1.219	1.620	0.964	0.964	389827	------	---	---	---	---	1.707	MT	148782	-----
FD01SP07 US	62	7.002	5.107	1.812	1.536	1.447	1.447	------	153080	126.2	246.0	126.2	246.0	1.566	MT	148782	148782
FD01SP07 DS	62	7.002	5.107	1.812	1.656	1.447	1.447	358592	------	---	---	---	---	1.812	--	0	-----
FD01EL06	2	12.953	9.447	1.812	1.523	1.447	1.447	70677	------	---	---	---	---	1.812	--	0	-----
FD01SP08	52	8.752	6.383	1.812	1.617	1.447	1.447	233264	------	---	---	---	---	1.812	--	0	-----
FD01EL07	4	12.953	9.447	1.812	1.523	1.447	1.447	70677	------	---	---	---	---	1.812	--	0	-----
FD01SP09	54	11.203	8.171	1.812	1.562	1.447	1.447	123603	------	---	---	---	---	1.812	--	0	-----
FD01TE03(U/S)	15	10.503	7.660	1.812	1.578	1.447	1.447	149712	------	---	---	---	---	1.812	--	0	-----
FD01TE03(D/S)	15	10.503	7.660	1.812	1.578	1.447	1.447	149712	------	---	---	---	---	1.812	--	0	-----
FD01SP10 US	65	7.002	5.107	1.812	1.656	1.447	1.447	358592	------	---	---	---	---	1.812	--	0	-----
FD01SP10 DS	65	7.002	5.107	1.812	1.498	1.447	1.447	------	88583	109.6	262.0	109.6	262.0	1.545	MT	125911	125911
FD01TE04(U/S)	12	21.424	15.626	1.812	1.951	1.447	1.447	282849	------	---	---	---	---	2.094	MT	125911	-----
FD01TE04(D/S)	12	14.354	10.469	1.812	1.864	1.447	1.447	349481	------	---	---	---	---	1.960	MT	125911	-----
FD01TE04(BR.)	12	20.205	14.736	1.219	0.768	0.964	0.964	-94164	------	---	---	---	---	1.219	--	0	-----
FD01EL08	4	12.953	9.447	1.812	1.568	1.447	1.447	112178	------	---	---	---	---	1.654	MT	125911	-----
FD01SP11	54	11.203	8.171	1.812	1.477	1.447	1.447	------	32854	175.4	255.0	175.4	255.0	1.552	MT	125911	125911

===>Grouped by Line: 005-18"-FDW-07, No Sorting.

FD07RD01(L/E)	7	12.253	8.937	1.812	1.526	1.447	1.447	78133	------	---	---	---	---	1.643	MT	102975	-----
FD07RD01(S/E)	7	16.408	11.967	1.375	1.147	1.085	1.085	45277	------	---	---	---	---	1.303	MT	102975	-----
FD07EL01	4	18.971	13.836	1.375	1.090	1.085	1.085	------	3455	404.6	435.0	404.6	435.0	1.271	MT	102975	183618
FD07SP01 US	54	16.408	11.967	1.375	1.095	1.085	1.085	------	7212	349.9	148.0	349.9	148.0	1.251	MT	102975	183618
FD07SP01 DS	54	16.408	11.967	1.375	1.009	1.085	1.085	-50922	------	---	---	---	---	1.375	--	0	-----
FD07EL02	2	18.971	13.836	1.375	1.264	1.085	1.085	------	113069	359.0	359.0	359.0	359.0	1.328	MT	160352	160352
FD07SP02 US	52	12.818	9.349	1.375	1.089	1.085	1.085	3660	------	---	---	---	---	1.375	--	0	-----
FD07SP02 DS	52	12.818	9.349	1.375	1.089	1.085	1.085	3660	------	---	---	---	---	1.375	--	0	-----
FD07EL03	2	18.971	13.836	1.375	0.952	1.085	1.085	-72545	------	---	---	---	---	1.375	--	0	-----
FD07RD02(L/E)	7	17.946	13.089	1.375	1.125	1.085	1.085	26722	------	---	---	---	---	1.202	MT	148782	-----
FD07RD02(S/E)	7	31.580	23.032	0.844	0.618	0.648	0.648	-11251	------	---	---	---	---	0.754	MT	148782	-----
FD07RD03(L/E)	18	15.382	11.219	1.375	1.159	1.085	1.085	57730	------	---	---	---	---	1.225	MT	148782	-----
FD07RD03(S/E)	18	27.632	20.153	0.844	0.639	0.648	0.648	-3754	------	---	---	---	---	0.758	MT	148782	-----
FD07SP03	68	12.818	9.349	1.375	1.177	1.085	1.085	------	86148	231.0	139.0	231.0	139.0	1.232	MT	148782	148782
FD07EL04	2	18.971	13.836	1.375	1.184	1.085	1.085	------	62619	385.9	548.0	385.9	548.0	1.337	MT	114614	171740
FD07SP04	52	12.818	9.349	1.375	1.136	1.085	1.085	------	47366	260.7	161.0	260.7	161.0	1.239	MT	114614	171740
FD07EL05	4	18.971	13.836	1.375	0.952	1.085	1.085	-72545	------	---	---	---	---	1.375	--	0	-----
FD07SP05	54	16.408	11.967	1.375	1.009	1.085	1.085	-50922	------	---	---	---	---	1.375	--	0	-----
FD07SP06	9	6.602	4.815	1.375	1.228	1.085	1.085	259530	------	---	---	---	---	1.375	--	0	-----
FD07EL06	2	18.971	13.836	1.375	1.161	1.085	1.085	------	48402	385.9	452.0	385.9	452.0	1.199	MT	171740	171740
FD07SP07	52	12.818	9.349	1.375	1.215	1.085	1.085	------	121455	260.7	192.0	260.7	192.0	1.240	MT	171740	171740
FD07EL07	2	18.971	13.836	1.375	1.150	1.085	1.085	------	41437	385.9	615.0	385.9	615.0	1.188	MT	171740	171740
FD07SP08 US	52	12.818	9.349	1.375	1.228	1.085	1.085	------	133636	260.7	122.0	260.7	122.0	1.253	MT	171740	171740
FD07SP08 DS	52	12.818	9.349	1.375	1.089	1.085	1.085	3660	------	---	---	---	---	1.375	--	0	-----
FD07EL08	1	16.920	12.341	1.375	0.997	1.085	1.085	-57354	------	---	---	---	---	1.375	--	0	-----
FD07SP09	51	11.280	8.227	1.375	1.208	1.085	1.085	------	130482	203.3	119.0	203.3	119.0	1.256	MT	148782	148782
FD07EL09	4	18.971	13.836	1.375	1.154	1.085	1.085	------	43383	341.9	374.0	341.9	374.0	1.235	MT	148782	148782
FD07SP10 US	54	16.408	11.967	1.375	1.151	1.085	1.085	------	47970	295.7	154.0	295.7	154.0	1.221	MT	148782	148782

===>Grouped by Line: 006-18"-FDW-07, No Sorting.

FD07SP10 DS	54	16.408	11.967	1.375	1.009	1.085	1.085	-50922	------	---	---	---	---	1.375	--	0	-----
FD07TE01(U/S)	15	15.382	11.219	1.375	1.032	1.085	1.085	-36069	------	---	---	---	---	1.375	--	0	-----
FD07TE01(D/S)	15	15.382	11.219	1.375	1.032	1.085	1.085	-36069	------	---	---	---	---	1.375	--	0	-----
FD07EL10	4	18.971	13.836	1.375	0.952	1.085	1.085	-72545	------	---	---	---	---	1.375	--	0	-----
FD07SP11	54	16.408	11.967	1.375	1.009	1.085	1.085	-50922	------	---	---	---	---	1.375	--	0	-----
FD07EL11	2	18.971	13.836	1.375	0.952	1.085	1.085	-72545	------	---	---	---	---	1.375	--	0	-----
FD07EL12	4	18.971	13.836	1.375	0.952	1.085	1.085	-72545	------	---	---	---	---	1.375	--	0	-----
INLET E-2-1A	30	20.509	14.958	1.375	0.917	1.085	1.085	-81766	------	---	---	---	---	1.375	--	0	-----

===>Grouped by Line: 007-18"-FDW-12, No Sorting.

OUTLET E-2-1A	31	17.536	12.790	1.375	0.984	1.085	1.085	-62485	------	---	---	---	---	1.375	--	0	-----
FD12EL01	4	12.977	9.465	1.375	1.085	1.085	1.085	341	------	---	---	---	---	1.375	--	0	-----
FD12SP01 US	54	11.223	8.186	1.375	1.125	1.085	1.085	42277	------	---	---	---	---	1.375	--	0	-----
FD12SP01 DS	54	11.223	8.186	1.375	1.125	1.085	1.085	42277	------	---	---	---	---	1.375	--	0	-----
FD12EL02	2	12.977	9.465	1.375	1.085	1.085	1.085	341	------	---	---	---	---	1.375	--	0	-----
FD12SP02	52	8.768	6.395	1.375	1.179	1.085	1.085	129167	------	---	---	---	---	1.375	--	0	-----
FD12EL03	2	12.977	9.465	1.375	1.085	1.085	1.085	341	------	---	---	---	---	1.375	--	0	-----
FD12SP03	52	8.768	6.395	1.375	1.179	1.085	1.085	129167	------	---	---	---	---	1.375	--	0	-----
FD12SP04	9	4.540	3.311	1.375	1.274	1.085	1.085	499063	------	---	---	---	---	1.375	--	0	-----
FD12EL04	2	12.977	9.465	1.375	1.085	1.085	1.085	341	------	---	---	---	---	1.375	--	0	-----
FD12SP05 US	52	8.768	6.395	1.375	1.179	1.085	1.085	129167	------	---	---	---	---	1.375	--	0	-----
FD12SP05 DS	52	8.768	6.395	1.375	1.179	1.085	1.085	129167	------	---	---	---	---	1.375	--	0	-----
FD12EL05	2	12.977	9.465	1.375	1.085	1.085	1.085	341	------	---	---	---	---	1.375	--	0	-----
FD12SP06	52	8.768	6.395	1.375	1.179	1.085	1.085	129167	------	---	---	---	---	1.375	--	0	-----
FD12SP07	9	4.540	3.311	1.375	1.274	1.085	1.085	499063	------	---	---	---	---	1.375	--	0	-----
FD12EL06	2	12.977	9.465	1.375	1.085	1.085	1.085	341	------	---	---	---	---	1.375	--	0	-----
FD12SP08	52	8.768	6.395	1.375	1.179	1.085	1.085	129167	------	---	---	---	---	1.375	--	0	-----
FD12EL07	2	12.977	9.465	1.375	1.085	1.085	1.085	341	------	---	---	---	---	1.375	--	0	-----
FD12SP09	52	8.768	6.395	1.375	1.179	1.085	1.085	129167	------	---	---	---	---	1.375	--	0	-----
FD12TE01(U/S)	15	10.522	7.674	1.375	1.140	1.085	1.085	62965	------	---	---	---	---	1.375	--	0	-----
FD12TE01(D/S)	15	10.522	7.674	1.375	1.140	1.085	1.085	62965	------	---	---	---	---	1.375	--	0	-----
FD12SP10 US	65	7.015	5.116	1.375	1.218	1.085	1.085	228471	------	---	---	---	---	1.375	--	0	-----
FD12SP10 DS	65	7.015	5.116	1.375	1.218	1.085	1.085	228471	------	---	---	---	---	1.375	--	0	-----
FD12EL08	2	12.977	9.465	1.375	1.211	1.085	1.085	------	116904	263.9	636.0	263.9	636.0	1.237	MT	171740	171740
FD12EL09	4	12.977	9.465	1.375	1.085	1.085	1.085	341	------	---	---	---	---	1.375	--	0	-----
INLET E-1-1A	30	14.029	10.232	1.375	1.062	1.085	1.085	-19787	------	---	---	---	---	1.375	--	0	-----

===>Grouped by Line: 008-16"-FDW-14, No Sorting.

FD14SP02	57	8.318	6.066	1.219	1.032	0.964	0.964	------	97359	118.5	159.0	118.5	159.0	1.099	MT	114614	114614
FD14EL03	2	12.310	8.978	1.219	1.097	0.964	0.964	------	129276	262.6	404.0	262.6	404.0	1.179	MT	125911	183618
FD14SP03 US	52	8.318	6.066	1.219	1.011	0.964	0.964	------	66575	177.4	233.0	177.4	233.0	1.066	MT	125911	183618
FD14SP03 DS	52	8.318	6.066	1.219	1.033	0.964	0.964	99504	------	---	---	---	---	1.219	--	0	-----
FD14EL04	2	12.310	8.978	1.219	0.944	0.964	0.964	-19701	------	---	---	---	---	1.219	--	0	-----
FD14SP04	52	8.318	6.066	1.219	1.033	0.964	0.964	99504	------	---	---	---	---	1.219	--	0	-----
FD14SP05	9	4.664	3.402	1.219	1.115	0.964	0.964	387460	------	---	---	---	---	1.219	--	0	-----
FD14FE01A	52	8.318	6.066	1.219	1.033	0.964	0.964	99504	------	---	---	---	---	1.219	--	0	-----
FD14FE01	6	0.119	0.087	1.219	1.216	0.964	0.964	25426598	------	---	---	---	---	1.219	--	0	-----
FD14FE01B	56	6.102	4.450	1.219	1.083	0.964	0.964	232959	------	---	---	---	---	1.219	--	0	-----
FD14SP06 US	56	6.102	4.450	1.219	1.064	0.964	0.964	195791	------	---	---	---	---	1.122	MT	102975	-----
FD14SP06 DS	56	6.102	4.450	1.219	1.083	0.964	0.964	232959	------	---	---	---	---	1.219	--	0	-----
FD14EL05	2	12.310	8.978	1.219	0.944	0.964	0.964	-19701	------	---	---	---	---	1.219	--	0	-----
FD14TE02(U/S)	15	9.981	7.280	1.219	0.996	0.964	0.964	38245	------	---	---	---	---	1.219	--	0	-----
FD14TE02(D/S)	15	9.981	7.280	1.219	0.996	0.964	0.964	38245	------	---	---	---	---	1.219	--	0	-----
FD14CP01	62	0.193	0.141	0.719	0.715	0.520	0.520	12098044	------	---	---	---	---	0.719	--	0	-----
FD14SP07 US	65	6.654	4.853	1.219	1.070	0.964	0.964	191391	------	---	---	---	---	1.219	--	0	-----

===>Grouped by Line: 008-18"-FDW-14, No Sorting.

OUTLET E-1-1A	31	14.353	10.468	1.375	1.055	1.085	1.085	-24849	------	---	---	---	---	1.375	--	0	-----
FD14EL01	4	10.621	7.746	1.375	1.138	1.085	1.085	59868	------	---	---	---	---	1.375	--	0	-----
FD14SP01	58	6.315	4.606	1.375	1.234	1.085	1.085	283446	------	---	---	---	---	1.375	--	0	-----
FD14EL02	2	10.621	7.746	1.375	1.138	1.085	1.085	59868	------	---	---	---	---	1.375	--	0	-----
FD14TE01(U/S)	15	8.612	6.281	1.375	1.207	1.085	1.085	169444	------	---	---	---	---	1.276	MT	114614	-----
FD14TE01(D/S)	15	8.612	6.281	1.375	1.225	1.085	1.085	194549	------	---	---	---	---	1.294	MT	114614	-----
FD14RD01(L/E)	7	10.047	7.328	1.375	1.155	1.085	1.085	------	83575	143.2	139.0	143.2	139.0	1.236	MT	114614	114614
FD14RD01(S/E)	7	10.647	7.765	1.219	1.127	0.964	0.964	------	183471	151.7	66.0	151.7	66.0	1.213	MT	114614	114614

===>Grouped by Line: 009-16"-FDW-14, No Sorting.

FD14SP07 DS	65	6.654	4.853	1.219	1.070	0.964	0.964	191391	------	---	---	---	---	1.219	--	0	-----
FD14EL06	2	12.310	8.978	1.219	0.944	0.964	0.964	-19701	------	---	---	---	---	1.219	--	0	-----
FD14SP08 US	52	8.318	6.066	1.219	1.033	0.964	0.964	99504	------	---	---	---	---	1.219	--	0	-----
FD14SP08 DS	52	8.318	6.066	1.219	1.033	0.964	0.964	99504	------	---	---	---	---	1.219	--	0	-----
FD14EL07	2	12.310	8.978	1.219	0.944	0.964	0.964	-19701	------	---	---	---	---	1.219	--	0	-----

===>Grouped by Line: 009-16"-FDW-16, No Sorting.

FD16SP01 US	58	7.320	5.338	1.219	1.056	0.964	0.964	149624	------	---	---	---	---	1.219	--	0	-----
FD16SP01 DS	58	7.320	5.338	1.219	1.056	0.964	0.964	149624	------	---	---	---	---	1.219	--	0	-----
FD16TE01(U/S)	15	9.981	7.280	1.219	0.996	0.964	0.964	38245	------	---	---	---	---	1.219	--	0	-----
FD16TE01(D/S)	15	9.981	7.280	1.219	0.996	0.964	0.964	38245	------	---	---	---	---	1.219	--	0	-----
FD16SP02	65	6.654	4.853	1.219	1.070	0.964	0.964	191391	------	---	---	---	---	1.219	--	0	-----
FD16SP03	58	7.320	5.338	1.219	1.056	0.964	0.964	149624	------	---	---	---	---	1.219	--	0	-----
FD16SP04	58	7.320	5.338	1.219	1.056	0.964	0.964	149624	------	---	---	---	---	1.219	--	0	-----
FD16SP05	58	6.396	5.338	1.219	1.160	0.964	0.964	320762	------	---	---	---	---	1.219	--	114614	-----

FD16EL01	4	12.310	8.978	1.219	0.944	0.964	0.964	-19701	------	---	---	---	---	1.219	--		-----

===>Grouped by Line: 010-10"-FDW-19, No Sorting.

FD19SP04	57	9.376	6.838	0.844	0.679	0.433	0.433	------	314237	200.0	162.0	200.0	162.0	0.728	MT	137270	183618
FD19SP05	9	5.439	3.967	0.844	0.723	0.433	0.433	638480	------	---	---	---	---	0.844	--	0	-----
FD19EL03	2	13.876	10.120	0.844	0.534	0.433	0.433	87305	------	---	---	---	---	0.844	--	0	-----
FD19SP06 US	52	9.376	6.838	0.844	0.635	0.433	0.433	257874	------	---	---	---	---	0.844	--	0	-----
FD19SP06 DS	52	9.376	6.838	0.844	0.635	0.433	0.433	257874	------	---	---	---	---	0.844	--	0	-----
FD19EL04	1	12.376	9.026	0.844	0.568	0.433	0.433	130378	------	---	---	---	---	0.844	--	0	-----
FD19SP07	51	8.251	6.017	0.844	0.660	0.433	0.433	329590	------	---	---	---	---	0.844	--	0	-----
FD19SP08	9	5.439	3.967	0.844	0.723	0.433	0.433	638480	------	---	---	---	---	0.844	--	0	-----
FD19EL05	2	13.876	10.120	0.844	0.534	0.433	0.433	87305	------	---	---	---	---	0.844	--	0	-----
FD19SP09 US	52	9.376	6.838	0.844	0.635	0.433	0.433	257874	------	---	---	---	---	0.844	--	0	-----
FD19SP09 DS	52	9.376	6.838	0.844	0.635	0.433	0.433	257874	------	---	---	---	---	0.844	--	0	-----
RX NOZZLE 4A	30	0.028	0.020	0.594	0.593	0.472	0.472	52872436	------	---	---	---	---	0.594	--	0	-----

===>Grouped by Line: 010-10"-FDW-21, No Sorting.

FD21SP01 US	64	7.501	5.470	0.844	0.756	0.433	0.433	------	515856	160.0	126.0	160.0	126.0	0.795	MT	137270	183618
FD21SP01 DS	64	7.501	5.470	0.844	0.677	0.433	0.433	389354	------	---	---	---	---	0.844	--	0	-----
FD21EL01	1	12.376	9.026	0.844	0.568	0.433	0.433	130378	------	---	---	---	---	0.844	--	0	-----
FD21SP02	51	8.251	6.017	0.844	0.660	0.433	0.433	329590	------	---	---	---	---	0.844	--	0	-----
FD21SP03	9	5.439	3.967	0.844	0.723	0.433	0.433	638480	------	---	---	---	---	0.844	--	0	-----
FD21EL02	2	13.876	10.120	0.844	0.534	0.433	0.433	87305	------	---	---	---	---	0.844	--	0	-----
FD21SP04 US	52	9.376	6.838	0.844	0.635	0.433	0.433	257874	------	---	---	---	---	0.844	--	0	-----
FD21SP04 DS	52	9.376	6.838	0.844	0.635	0.433	0.433	257874	------	---	---	---	---	0.844	--	0	-----
RX NOZZLE 4B	30	0.028	0.020	0.594	0.593	0.472	0.472	52872436	------	---	---	---	---	0.594	--	0	-----

===>Grouped by Line: 010-16"-FDW-19, No Sorting.

FD19SP01 US	58	6.840	4.989	0.844	0.691	0.645	0.645	81093	------	---	---	---	---	0.844	--	0	-----
FD19SP01 DS	58	6.840	4.989	0.844	0.691	0.645	0.645	81093	------	---	---	---	---	0.844	--	0	-----
FD19EL01	2	12.310	8.978	1.219	0.944	0.645	0.645	291841	------	---	---	---	---	1.219	--	0	-----
FD19SP02	52	7.773	5.669	0.844	0.671	0.645	0.645	39196	------	---	---	---	---	0.844	--	0	-----
FD19EL02	1	10.979	8.008	1.219	0.974	0.645	0.645	359706	------	---	---	---	---	1.219	--	0	-----
FD19SP03 US	51	6.840	4.989	0.844	0.691	0.645	0.645	81093	------	---	---	---	---	0.844	--	0	-----
FD19SP03 DS	51	6.840	4.989	0.844	0.756	0.645	0.645	------	194753	116.7	67.0	116.7	67.0	0.792	MT	137270	137270
FD19TE01(U/S)	14	18.299	13.346	1.219	1.852	0.645	0.645	------	792067	312.3	283.0	312.3	283.0	1.948	MT	137270	137270
FD19TE01(D/S)	14	12.421	9.059	1.219	1.885	0.645	0.645	------	1198697	212.0	245.0	212.0	245.0	1.950	MT	137270	137270
FD19TE01(BR.)	14	13.126	9.573	0.844	0.718	0.433	0.433	------	260420	224.0	144.0	224.0	144.0	0.787	MT	137270	137270
FD19RD01(L/E)	7	7.904	5.765	1.219	1.114	0.645	0.645	------	713175	134.9	197.0	134.9	197.0	1.156	MT	137270	137270
FD19RD01(S/E)	7	12.001	8.753	0.844	0.732	0.433	0.433	------	298755	204.8	238.0	204.8	238.0	0.795	MT	137270	137270

===>Grouped by Line: 011-18"-FDW-08, No Sorting.

FD08RD01(L/E)	7	12.253	8.937	1.812	1.539	1.447	1.447	90033	------	---	---	---	---	1.812	--	0	-----
FD08RD01(S/E)	7	16.408	11.967	1.375	1.009	1.085	1.085	-50922	------	---	---	---	---	1.375	--	0	-----
FD08EL01	4	18.971	13.836	1.375	1.309	1.085	1.085	------	141951	404.6	414.0	404.6	414.0	1.328	MT	183618	183618
FD08SP01 US	54	16.408	11.967	1.375	1.228	1.085	1.085	------	104496	349.9	130.0	349.9	130.0	1.244	MT	183618	183618
FD08SP01 DS	54	16.408	11.967	1.375	1.009	1.085	1.085	-50922	------	---	---	---	---	1.375	--	0	-----
FD08EL02	2	18.971	13.836	1.375	0.952	1.085	1.085	-72545	------	---	---	---	---	1.375	--	0	-----
FD08RD02(L/E)	7	17.946	13.089	1.375	1.155	1.085	1.085	46801	------	---	---	---	---	1.232	MT	148782	-----
FD08RD02(S/E)	7	31.580	23.032	0.844	1.268	0.648	0.648	235964	------	---	---	---	---	1.404	MT	148782	-----
FD08RD03(L/E)	18	15.382	11.219	1.375	1.181	1.085	1.085	74908	------	---	---	---	---	1.247	MT	148782	-----
FD08RD03(S/E)	18	27.632	20.153	0.844	1.132	0.648	0.648	210536	------	---	---	---	---	1.251	MT	148782	-----
FD08SP02	68	12.818	9.349	1.375	1.130	1.085	1.085	------	42109	273.4	192.0	273.4	192.0	1.185	MT	148782	183618
FD08EL03	2	18.971	13.836	1.375	1.203	1.085	1.085	------	74996	242.9	310.0	242.9	310.0	1.384	MT	102975	102975
FD08SP03 US	52	12.818	9.349	1.375	1.173	1.085	1.085	------	82459	164.1	164.0	164.1	164.0	1.295	MT	102975	102975
FD08SP03 DS	52	12.818	9.349	1.375	1.089	1.085	1.085	3660	------	---	---	---	---	1.375	--	0	-----
FD08EL04	4	18.971	13.836	1.375	0.952	1.085	1.085	------	-72545	404.6	638.0	404.6	638.0	1.375	--	0	183618
FD08SP04	54	16.408	11.967	1.375	1.009	1.085	1.085	------	-50922	349.9	152.0	349.9	152.0	1.375	--	0	183618
FD08EL05	2	18.971	13.836	1.375	0.952	1.085	1.085	------	-72545	404.6	416.0	404.6	416.0	1.375	--	0	183618
FD08SP05 US	52	12.818	9.349	1.375	1.089	1.085	1.085	------	3660	273.4	194.0	273.4	194.0	1.375	--	0	183618

===>Grouped by Line: 012-18"-FDW-08, No Sorting.

FD08SP05 DS	52	12.818	9.349	1.375	1.089	1.085	1.085	3660	------	---	---	---	---	1.375	--	0	-----
FD08TE01(U/S)	15	15.382	11.219	1.375	1.032	1.085	1.085	-36069	------	---	---	---	---	1.375	--	0	-----
FD08TE01(D/S)	15	15.382	11.219	1.375	1.032	1.085	1.085	-36069	------	---	---	---	---	1.375	--	0	-----
FD08EL06	4	18.971	13.836	1.375	1.290	1.085	1.085	------	130072	385.9	275.0	385.9	275.0	1.328	MT	171740	171740
FD08SP06 US	54	16.408	11.967	1.375	1.185	1.085	1.085	------	72853	333.7	158.0	333.7	158.0	1.217	MT	171740	171740
FD08SP06 DS	54	16.408	11.967	1.375	1.009	1.085	1.085	-50922	------	---	---	---	---	1.375	--	0	-----
FD08EL07	2	18.971	13.836	1.375	0.952	1.085	1.085	-72545	------	---	---	---	---	1.375	--	0	-----
FD08EL08	4	18.971	13.836	1.375	0.952	1.085	1.085	-72545	------	---	---	---	---	1.375	--	0	-----
INLET E-2-1B	30	20.509	14.958	1.375	0.917	1.085	1.085	-81766	------	---	---	---	---	1.375	--	0	-----

===>Grouped by Line: 013-18"-FDW-13, No Sorting.

OUTLET E-2-1B	31	17.536	12.790	1.375	0.984	1.085	1.085	-62485	------	---	---	---	---	1.375	--	0	-----
FD13EL01	4	12.977	9.465	1.375	1.085	1.085	1.085	341	------	---	---	---	---	1.375	--	0	-----
FD13SP01 US	54	11.223	8.186	1.375	1.125	1.085	1.085	42277	------	---	---	---	---	1.375	--	0	-----
FD13SP01 DS	54	11.223	8.186	1.375	1.125	1.085	1.085	42277	------	---	---	---	---	1.375	--	0	-----
FD13EL02	2	12.977	9.465	1.375	1.085	1.085	1.085	341	------	---	---	---	---	1.375	--	0	-----
FD13SP02 US	52	8.768	6.395	1.375	1.179	1.085	1.085	129167	------	---	---	---	---	1.375	--	0	-----
FD13SP02 DS	52	8.768	6.395	1.375	1.179	1.085	1.085	129167	------	---	---	---	---	1.375	--	0	-----
FD13EL03	2	12.977	9.465	1.375	1.085	1.085	1.085	341	------	---	---	---	---	1.375	--	0	-----
FD13SP03	52	8.768	6.395	1.375	1.179	1.085	1.085	129167	------	---	---	---	---	1.375	--	0	-----
FD13SP04	9	4.540	3.311	1.375	1.274	1.085	1.085	499063	------	---	---	---	---	1.375	--	0	-----
FD13EL04	2	12.977	9.465	1.375	1.085	1.085	1.085	341	------	---	---	---	---	1.375	--	0	-----
FD13SP05 US	52	8.768	6.395	1.375	1.179	1.085	1.085	129167	------	---	---	---	---	1.375	--	0	-----
FD13SP05 DS	52	8.768	6.395	1.375	1.179	1.085	1.085	129167	------	---	---	---	---	1.375	--	0	-----
FD13EL05	2	12.977	9.465	1.375	1.181	1.085	1.085	------	88794	245.6	433.0	245.6	433.0	1.225	MT	160352	160352
FD13SP06	52	8.768	6.395	1.375	1.207	1.085	1.085	------	167418	165.9	175.0	165.9	175.0	1.237	MT	160352	160352
FD13SP07	9	4.540	3.311	1.375	1.274	1.085	1.085	499063	------	---	---	---	---	1.375	--	0	-----
FD13EL06	1	11.574	8.441	1.375	1.117	1.085	1.085	32873	------	---	---	---	---	1.375	--	0	-----
FD13EL07	4	12.977	9.465	1.375	1.085	1.085	1.085	341	------	---	---	---	---	1.375	--	0	-----
FD13TE01(U/S)	15	10.522	7.674	1.375	1.140	1.085	1.085	62965	------	---	---	---	---	1.375	--	0	-----
FD13TE01(D/S)	15	10.522	7.674	1.375	1.140	1.085	1.085	62965	------	---	---	---	---	1.375	--	0	-----
FD13SP08 US	65	7.015	5.116	1.375	1.218	1.085	1.085	228471	------	---	---	---	---	1.375	--	0	-----
FD13SP08 DS	65	7.015	5.116	1.375	1.218	1.085	1.085	228471	------	---	---	---	---	1.375	--	0	-----
FD13EL08	2	12.977	9.465	1.375	1.085	1.085	1.085	341	------	---	---	---	---	1.375	--	0	-----
FD13EL09	4	12.977	9.465	1.375	1.085	1.085	1.085	341	------	---	---	---	---	1.375	--	0	-----
INLET E-1-1B	30	14.029	10.232	1.375	1.062	1.085	1.085	-19787	------	---	---	---	---	1.375	--	0	-----

===>Grouped by Line: 014-16"-FDW-15, No Sorting.

FD15SP02	57	8.318	6.066	1.219	1.054	0.964	0.964	129078	------	---	---	---	---	1.133	MT	102975	-----
FD15EL03	1	10.979	8.008	1.219	1.093	0.964	0.964	140093	------	---	---	---	---	1.197	MT	102975	-----
FD15SP09	51	7.320	5.338	1.219	1.047	0.964	0.964	136009	------	---	---	---	---	1.117	MT	102975	-----
FD15EL04	4	12.310	8.978	1.219	1.077	0.964	0.964	------	109666	250.4	422.0	250.4	422.0	1.194	MT	102975	171740
FD15SP10	54	10.647	7.765	1.219	1.016	0.964	0.964	------	57791	216.5	180.0	216.5	180.0	1.117	MT	102975	171740
FD15EL05	4	12.310	8.978	1.219	1.065	0.964	0.964	------	97749	250.4	180.0	250.4	180.0	1.089	MT	171740	171740
FD15SP03	54	10.647	7.765	1.219	1.078	0.964	0.964	------	128015	216.5	211.0	216.5	211.0	1.099	MT	171740	171740
FD15SP04	9	4.664	3.402	1.219	1.115	0.964	0.964	387460	------	---	---	---	---	1.219	--	0	-----
FD15FE01A	9	4.664	3.402	1.219	1.115	0.964	0.964	387460	------	---	---	---	---	1.219	--	0	-----
FD15FE01	6	0.119	0.087	1.219	1.216	0.964	0.964	25426598	------	---	---	---	---	1.219	--	0	-----
FD15FE01B	56	6.102	4.450	1.219	1.083	0.964	0.964	232959	------	---	---	---	---	1.219	--	0	-----
FD15SP05 US	56	6.102	4.450	1.219	1.083	0.964	0.964	232959	------	---	---	---	---	1.219	--	0	-----
FD15SP05 DS	56	6.102	4.450	1.219	1.083	0.964	0.964	232959	------	---	---	---	---	1.219	--	0	-----
FD15EL06	2	12.310	8.978	1.219	0.944	0.964	0.964	-19701	------	---	---	---	---	1.219	--	0	-----
FD15TE02(U/S)	15	9.981	7.280	1.219	0.996	0.964	0.964	38245	------	---	---	---	---	1.219	--	0	-----
FD15TE02(D/S)	15	9.981	7.280	1.219	0.996	0.964	0.964	38245	------	---	---	---	---	1.219	--	0	-----
FD15CP01	65	0.193	0.141	0.719	0.715	0.520	0.520	12098044	------	---	---	---	---	0.719	--	0	-----
FD15SP06	65	6.654	4.853	1.219	1.070	0.964	0.964	191391	------	---	---	---	---	1.219	--	0	-----

===>Grouped by Line: 014-18"-FDW-15, No Sorting.

OUTLET E-1-1B	31	14.353	10.468	1.375	1.055	1.085	1.085	-24849	------	---	---	---	---	1.375	--	0	-----
FD15EL01	4	10.621	7.746	1.375	1.138	1.085	1.085	59868	------	---	---	---	---	1.375	--	0	-----
FD15SP01	58	6.315	4.606	1.375	1.234	1.085	1.085	283446	------	---	---	---	---	1.375	--	0	-----
FD15EL02	2	10.621	7.746	1.375	1.138	1.085	1.085	59868	------	---	---	---	---	1.375	--	0	-----
FD15TE01(U/S)	15	8.612	6.281	1.375	1.209	1.085	1.085	172986	------	---	---	---	---	1.291	MT	102975	-----
FD15TE01(D/S)	15	8.612	6.281	1.375	1.242	1.085	1.085	219011	------	---	---	---	---	1.324	MT	102975	-----
FD15RD01(L/E)	7	10.047	7.328	1.375	1.143	1.085	1.085	69783	------	---	---	---	---	1.239	MT	102975	-----
FD15RD01(S/E)	7	10.647	7.765	1.219	1.091	0.964	0.964	142402	------	---	---	---	---	1.192	MT	102975	-----

===>Grouped by Line: 015-16"-FDW-15, No Sorting.

FD15SP07	9	4.664	3.402	1.219	1.115	0.964	0.964	387460	------	---	---	---	---	1.219	--	0	-----
FD15EL07	2	12.310	8.978	1.219	1.045	0.964	0.964	------	78235	250.4	364.0	250.4	364.0	1.069	MT	171740	171740
FD15SP08 US	52	8.318	6.066	1.219	1.122	0.964	0.964	------	226828	169.2	83.0	169.2	83.0	1.138	MT	171740	171740
FD15SP08 DS	52	8.318	6.066	1.219	1.033	0.964	0.964	99504	------	---	---	---	---	1.219	--	0	-----
FD15EL08	2	12.310	8.978	1.219	0.944	0.964	0.964	-19701	------	---	---	---	---	1.219	--	0	-----

===>Grouped by Line: 015-16"-FDW-17, No Sorting.

FD17SP01 US	58	7.320	5.338	1.219	1.056	0.964	0.964	149624	------	---	---	---	---	1.219	--	0	-----
FD17SP01 DS	58	7.320	5.338	1.219	1.056	0.964	0.964	149624	------	---	---	---	---	1.219	--	0	-----
FD17TE01(U/S)	15	9.981	7.280	1.219	0.996	0.964	0.964	38245	------	---	---	---	---	1.219	--	0	-----
FD17TE01(D/S)	15	9.981	7.280	1.219	0.996	0.964	0.964	38245	------	---	---	---	---	1.219	--	0	-----
FD17SP02	65	6.654	4.853	1.219	1.070	0.964	0.964	191391	------	---	---	---	---	1.219	--	0	-----
FD17SP03	58	7.320	5.338	1.219	1.056	0.964	0.964	149624	------	---	---	---	---	1.219	--	0	-----
FD17SP04	58	7.320	5.338	1.219	1.056	0.964	0.964	149624	------	---	---	---	---	1.219	--	0	-----
FD17SP05	58	6.396	5.338	1.219	1.160	0.964	0.964	320762	------	---	---	---	---	1.219	--	114614	-----
FD17EL01	4	12.310	8.978	1.219	0.944	0.964	0.964	-19701	------	---	---	---	---	1.219	--	0	-----

===>Grouped by Line: 016-10"-FDW-18, No Sorting.

FD18SP04 US	64	7.501	5.470	0.844	0.729	0.433	0.433	------	472922	135.2	140.0	135.2	140.0	0.761	MT	148782	148782
FD18SP04 DS	64	7.501	5.470	0.844	0.677	0.433	0.433	389354	------	---	---	---	---	0.844	--	0	-----
FD18EL03	1	12.376	9.026	0.844	0.568	0.433	0.433	130378	------	---	---	---	---	0.844	--	0	-----
FD18SP05	51	8.251	6.017	0.844	0.660	0.433	0.433	329590	------	---	---	---	---	0.844	--	0	-----
FD18SP06	9	5.439	3.967	0.844	0.723	0.433	0.433	638480	------	---	---	---	---	0.844	--	0	-----
FD18EL04	2	13.876	10.120	0.844	0.534	0.433	0.433	87305	------	---	---	---	---	0.844	--	0	-----
FD18SP07 US	52	9.376	6.838	0.844	0.635	0.433	0.433	257874	------	---	---	---	---	0.844	--	0	-----
FD18SP07 DS	52	9.376	6.838	0.844	0.635	0.433	0.433	257874	------	---	---	---	---	0.844	--	0	-----
RX NOZZLE 4C	30	0.028	0.020	0.594	0.593	0.472	0.472	52872436	------	---	---	---	---	0.594	--	0	-----

===>Grouped by Line: 016-10"-FDW-20, No Sorting.

FD20RD01(L/E)	7	7.904	5.765	1.219	1.154	0.645	0.645	------	773313	142.5	184.0	142.5	184.0	1.188	MT	148782	148782
FD20RD01(S/E)	7	12.001	8.753	0.844	0.701	0.433	0.433	------	268232	216.3	265.0	216.3	265.0	0.753	MT	148782	148782
FD20SP01	57	9.376	6.838	0.844	0.685	0.433	0.433	------	321906	169.0	105.0	169.0	105.0	0.725	MT	148782	148782
FD20SP02	9	5.439	3.967	0.844	0.723	0.433	0.433	638480	------	---	---	---	---	0.844	--	0	-----
FD20EL01	2	13.876	10.120	0.844	0.534	0.433	0.433	87305	------	---	---	---	---	0.844	--	0	-----
FD20SP03 US	52	9.376	6.838	0.844	0.635	0.433	0.433	257874	------	---	---	---	---	0.844	--	0	-----
FD20SP03 DS	52	9.376	6.838	0.844	0.635	0.433	0.433	257874	------	---	---	---	---	0.844	--	0	-----
FD20EL02	1	12.376	9.026	0.844	0.568	0.433	0.433	130378	------	---	---	---	---	0.844	--	0	-----
FD20SP04	51	8.251	6.017	0.844	0.660	0.433	0.433	329590	------	---	---	---	---	0.844	--	0	-----
FD20SP05	9	5.439	3.967	0.844	0.723	0.433	0.433	638480	------	---	---	---	---	0.844	--	0	-----
FD20EL03	2	13.876	10.120	0.844	0.534	0.433	0.433	87305	------	---	---	---	---	0.844	--	0	-----
FD20SP06 US	52	9.376	6.838	0.844	0.635	0.433	0.433	257874	------	---	---	---	---	0.844	--	0	-----
FD20SP06 DS	52	9.376	6.838	0.844	0.635	0.433	0.433	257874	------	---	---	---	---	0.844	--	0	-----
RX NOZZLE 4D	30	0.028	0.020	0.594	0.593	0.472	0.472	52872436	------	---	---	---	---	0.594	--	0	-----

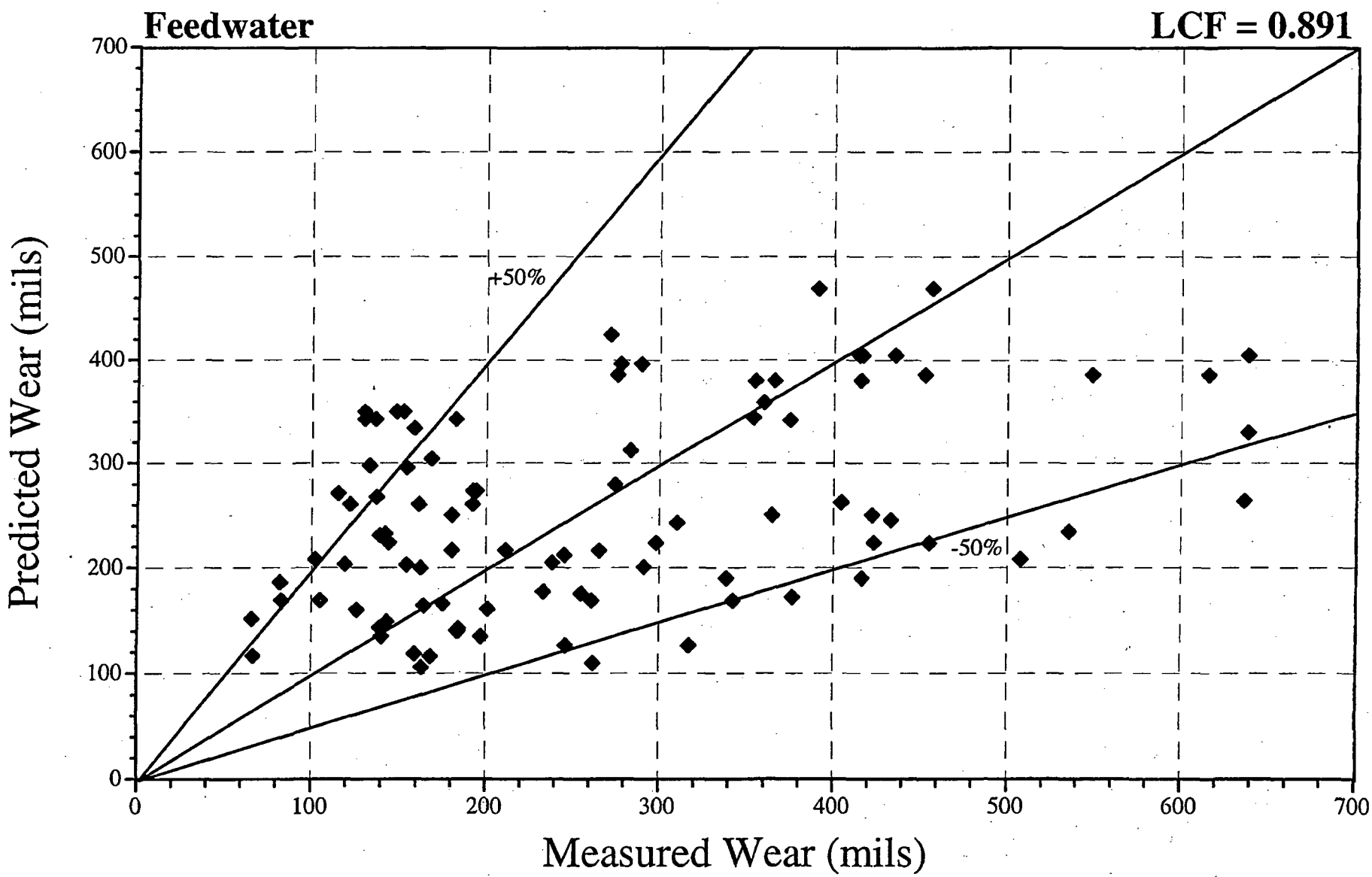
===>Grouped by Line: 016-16"-FDW-18, No Sorting.

FD18SP01 US	58	6.840	4.989	0.844	0.691	0.645	0.645	81093	------	---	---	---	---	0.844	--	0	-----
FD18SP01 DS	58	6.840	4.989	0.844	0.691	0.645	0.645	81093	------	---	---	---	---	0.844	--	0	-----
FD18EL01	2	12.310	8.978	1.219	0.944	0.645	0.645	291841	------	---	---	---	---	1.219	--	0	-----
FD18SP02 US	52	7.773	5.669	0.844	0.671	0.645	0.645	39196	------	---	---	---	---	0.844	--	0	-----
FD18SP02 DS	52	7.773	5.669	0.844	0.671	0.645	0.645	39196	------	---	---	---	---	0.844	--	0	-----
FD18EL02	1	10.979	8.008	1.219	0.974	0.645	0.645	359706	------	---	---	---	---	1.219	--	0	-----
FD18SP03 US	51	6.840	4.989	0.844	0.691	0.645	0.645	81093	------	---	---	---	---	0.844	--	0	-----
FD18SP03 DS	51	6.840	4.989	0.844	0.691	0.645	0.645	81093	------	---	---	---	---	0.844	--	0	-----
FD18TE01(U/S)	14	18.299	13.346	1.219	0.852	0.645	0.645	------	136049	329.8	638.0	329.8	638.0	0.931	MT	148782	148782
FD18TE01(D/S)	14	12.421	9.059	1.219	1.252	0.645	0.645	------	586495	223.9	423.0	223.9	423.0	1.305	MT	148782	148782
FD18TE01(BR.)	14	13.126	9.573	0.844	0.551	0.433	0.433	107611	------	---	---	---	---	0.844	--	0	-----

Notes:
[1] Predictions are based on last Tmeas to analysis ending period.
[2] Predictions are for the time of last inspection (last known meas. wear).
[3] GW = Tmeas is minimum thickness from Band, Blanket or Area Method of greatest wear.
MT = Tmeas is component minimum thickness.
PW = Tmeas is Tinit - predicted wear.
US = Tmeas is user specified.
[4] If no Tmeas has been determined from measured data, then Tmeas = Tinit and Time = current component installation time.
Tmeas is used to determine Predicted Thickness and Component Predicted Time to Tcrit.

Run with normal water ' nistry through cycle 21

Comparison of Wear Predictions



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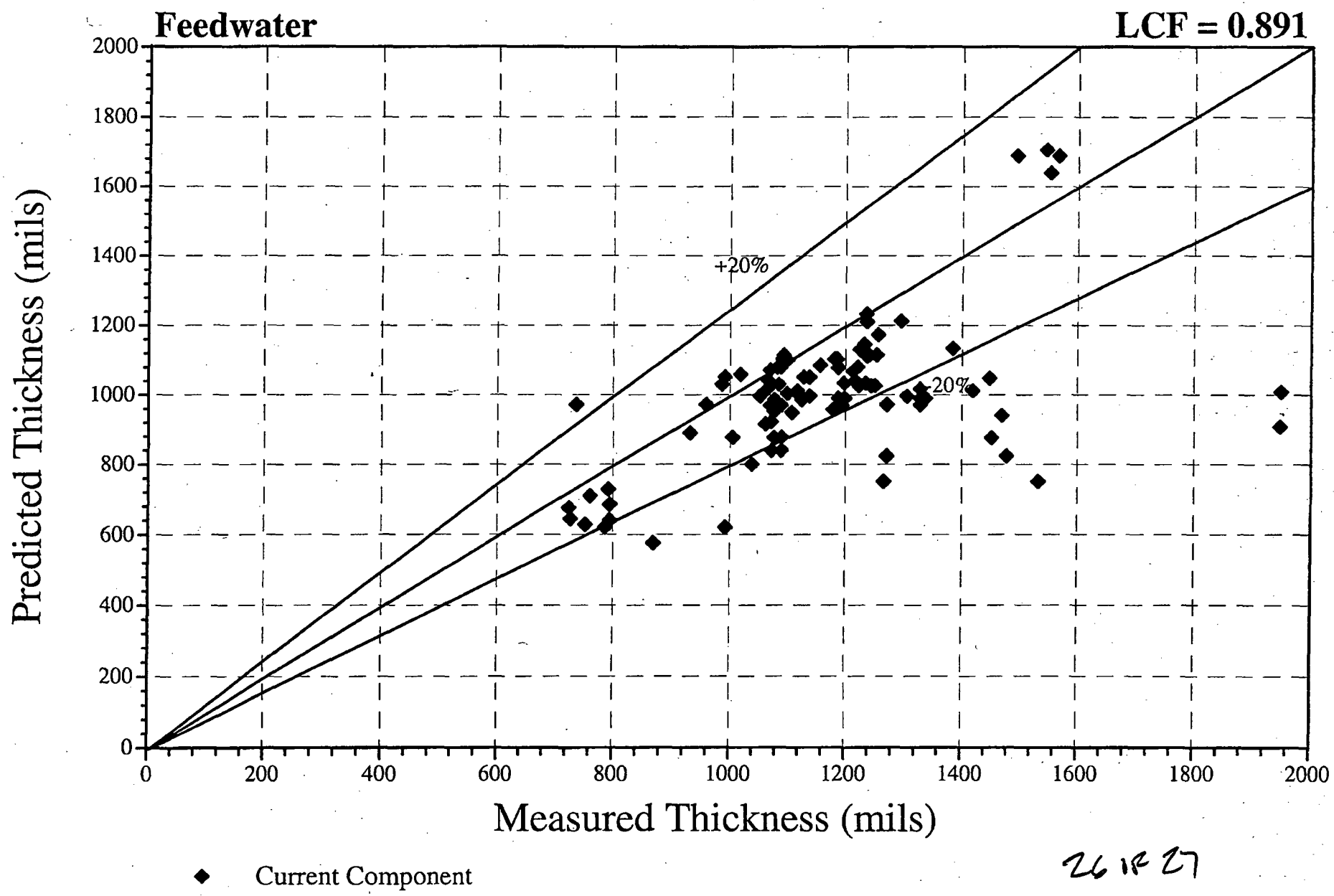
run on 2/12/01

Run with normal water chemistry through cycle 21

Comparison of Thickness Predictions



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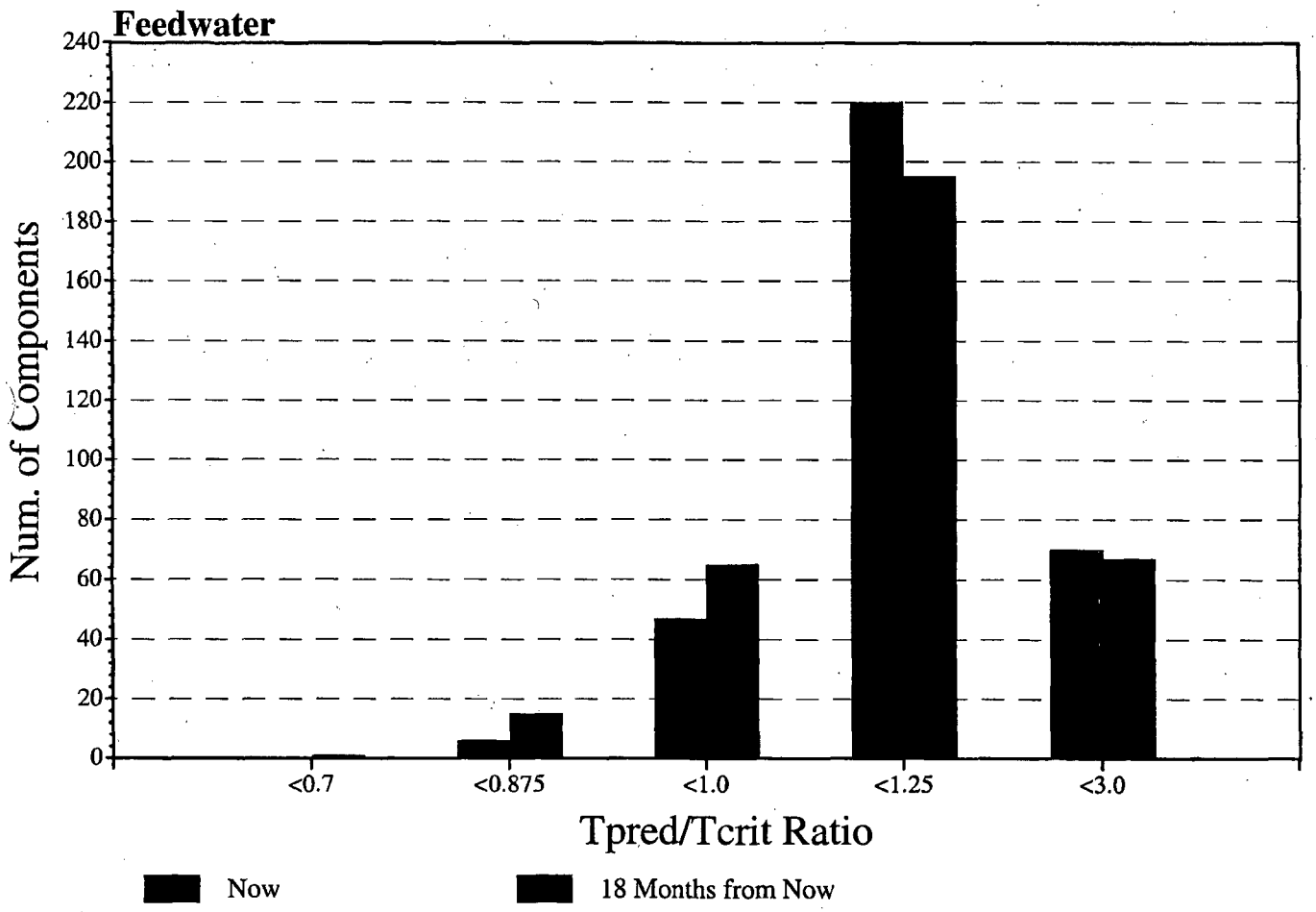
run on 2/12/01

Tpred/Tcrit Ratio Plot



270F27

Company: Vermont Yankee Nuclear Power Corporation
Plant: Vermont Yankee
Unit:
DB Name: VY

Report Date: 25-OCT-2001 Time: 09:33:15
Analysis Date: 07-SEP-2000 Time: 14:38:16
CHECWORKS FAC Version 1.0F (Build 52)

****
*** Wear Rate Analysis: Wear Rates/Input Data Report ***
****

CONDENSATE UP TO RFO 1999 (1999 DATA.)

n Name: Condensate
nding Period: Cycle 20 ~ UP TO 1999 RFO.
Total Plant Operating Hours: 183618
WRA Data Option: Ignore NFA
Line Correction Factor: 0.358

Duty Factor (Global): 1.000
Exclude Measure Wear: No

(SHOULD INCREASE HRS TO 195496 TO BE CONSISTENT W/ PERFORMANCE.)

Component Name	Geom. Code	Average Wear Rate (mils/year)	Current Wear Rate (mils/year)	Temp. (F)	Velocity (ft/s)	Steam Quality	Diameter (in)
===>Grouped by Line: 024-20"-C-01, No Sorting.							
NORTH OUTLET COND A	31	1.203	0.862	105.1	3.573	0.000	20.000
CD01EL01	3	0.842	0.603	105.1	3.573	0.000	20.000
CD01EL02	3	0.842	0.603	105.1	3.573	0.000	20.000
CD01VA01	23	1.232	0.883	105.1	3.667	0.000	20.000
CD01SP01	58	0.529	0.379	105.1	3.573	0.000	20.000
SOUTH OUTLET COND A	31	1.203	0.862	105.1	3.573	0.000	20.000
CD01EL03	3	0.842	0.603	105.1	3.573	0.000	20.000
CD01EL04	3	0.842	0.603	105.1	3.573	0.000	20.000
CD01VA02	23	1.232	0.883	105.1	3.667	0.000	20.000
CD01SP02	58	0.529	0.379	105.1	3.573	0.000	20.000
===>Grouped by Line: 024-20"-C-02, No Sorting.							
NORTH OUTLET COND B	31	1.203	0.862	105.1	3.573	0.000	20.000
CD02EL01	3	0.842	0.603	105.1	3.573	0.000	20.000
CD02EL02	3	0.842	0.603	105.1	3.573	0.000	20.000
CD02VA01	23	1.232	0.883	105.1	3.667	0.000	20.000
CD02SP01	58	0.529	0.379	105.1	3.573	0.000	20.000
SOUTH OUTLET COND B	31	1.203	0.862	105.1	3.573	0.000	20.000
CD02EL03	3	0.842	0.603	105.1	3.573	0.000	20.000
CD02EL04	3	0.842	0.603	105.1	3.573	0.000	20.000
CD02VA02	23	1.232	0.883	105.1	3.667	0.000	20.000
CD02SP02	58	0.529	0.379	105.1	3.573	0.000	20.000
===>Grouped by Line: 024-24"-C-03, No Sorting.							
CD03VA01	22	1.106	0.793	105.1	3.337	0.000	24.000
CD03SP04	58	0.477	0.342	105.1	3.266	0.000	24.000
INLET P-2-1B	30	0.867	0.622	105.1	3.266	0.000	24.000
>Grouped by Line: 024-24"-C-04, No Sorting.							
04SP01	64	0.434	0.311	105.1	3.266	0.000	24.000
CD04VA01	22	1.106	0.793	105.1	3.337	0.000	24.000
CD04EL01	3	0.759	0.544	105.1	3.266	0.000	24.000
CD04SP02	53	0.542	0.389	105.1	3.266	0.000	24.000
INLET P-2-1A	30	0.867	0.622	105.1	3.266	0.000	24.000
===>Grouped by Line: 024-24"-C-05, No Sorting.							
CD05SP01	64	0.434	0.311	105.1	3.266	0.000	24.000
CD05VA01	22	1.106	0.793	105.1	3.337	0.000	24.000
CD05EL01	3	0.759	0.544	105.1	3.266	0.000	24.000
CD05SP02	53	0.542	0.389	105.1	3.266	0.000	24.000
INLET P-2-1C	30	0.867	0.622	105.1	3.266	0.000	24.000
===>Grouped by Line: 024-30"-C-03, No Sorting.							
CD03CP01	62	0.003	0.002	105.1	0.010	0.000	30.000
CD03TE01(U/S)	12	2.082	1.493	163.1	6.289	0.000	30.000
CD03TE01(D/S)	12	0.453	0.325	105.1	1.547	0.000	30.000
CD03TE01(BR.)	12	0.818	0.586	105.1	3.573	0.000	20.000
CD03TE02(U/S)	12	0.453	0.325	105.1	1.547	0.000	30.000
CD03TE02(D/S)	12	0.822	0.589	105.1	3.095	0.000	30.000
CD03TE02(BR.)	12	0.818	0.586	105.1	3.573	0.000	20.000
CD03SP01	62	0.401	0.287	105.1	3.095	0.000	30.000
===>Grouped by Line: 024-36"-C-03, No Sorting.							
CD03RD01(L/E)	18	0.425	0.305	105.1	2.131	0.000	36.000
CD03RD01(S/E)	18	0.561	0.402	105.1	3.095	0.000	30.000
CD03TE03(U/S)	12	0.581	0.416	105.1	2.131	0.000	36.000
CD03TE03(D/S)	12	0.823	0.590	105.1	3.196	0.000	36.000
CD03TE03(BR.)	12	0.818	0.586	105.1	3.573	0.000	20.000
CD03TE04(U/S)	12	0.823	0.590	105.1	3.196	0.000	36.000
CD03TE04(D/S)	12	1.055	0.756	105.1	4.262	0.000	36.000
CD03TE04(BR.)	12	0.818	0.586	105.1	3.573	0.000	20.000
CD03SP05	62	0.514	0.369	105.1	4.262	0.000	36.000
CD03TE05A(U/S)	14	1.415	1.014	105.1	4.262	0.000	36.000
CD03TE05A(D/S)	14	0.998	0.716	105.1	2.841	0.000	36.000
CD03TE05A(BR.)	14	0.759	0.544	105.1	3.266	0.000	24.000
CD03TE05B(U/S)	14	0.998	0.716	105.1	2.841	0.000	36.000
CD03TE05B(D/S)	14	0.550	0.394	105.1	1.421	0.000	36.000
TE05B(BR.)	14	0.759	0.544	105.1	3.266	0.000	24.000
P03	64	0.200	0.143	105.1	1.421	0.000	36.000
RD02(L/E)	7	0.350	0.251	105.1	1.421	0.000	36.000
CD03RD02(S/E)	7	0.694	0.497	105.1	3.266	0.000	24.000
===>Grouped by Line: 025-12"-C-09, No Sorting.							
CD09SP01	65	0.002	0.001	105.1	0.006	0.000	12.750
CD09VA01	22	0.005	0.004	105.1	0.006	0.000	12.750

CD09SP02	58	0.002	0.002	105.1	0.006	0.000	12.750
CD09EL01	2	0.004	0.003	105.1	0.006	0.000	12.750
CD09SP03	52	0.003	0.002	105.1	0.006	0.000	12.750
INLET AFTER COND	30	0.004	0.003	105.1	0.006	0.000	12.750

===>Grouped by Line: 025-12"-C-10, No Sorting.

)10SP01	62	1.586	1.137	105.1	18.388	0.000	12.750
)10EL01	2	2.934	2.103	105.1	18.388	0.000	12.750
CD10SP02	52	1.983	1.421	105.1	18.388	0.000	12.750
INLET INTER COND B	30	3.172	2.274	105.1	18.388	0.000	12.750

===>Grouped by Line: 025-12"-C-11, No Sorting.

CD11SP01	62	1.586	1.137	105.1	18.388	0.000	12.750
CD11EL01	2	2.934	2.103	105.1	18.388	0.000	12.750
CD11SP02	52	1.983	1.421	105.1	18.388	0.000	12.750
INLET INTER COND A	30	3.172	2.274	105.1	18.388	0.000	12.750

===>Grouped by Line: 025-18"-C-06, No Sorting.

OUTLET NOZZLE P-2-1A	31	1.968	1.410	105.1	6.198	0.000	18.000
CD06EL01	4	1.456	1.044	105.1	6.198	0.000	18.000
CD06VA01	25	1.968	1.410	105.1	6.198	0.000	18.000
CD06SP01	58	0.866	0.621	105.1	6.198	0.000	18.000
CD06VA02	22	1.941	1.391	105.1	6.108	0.000	18.000
CD06EL02	3	1.377	0.987	105.1	6.198	0.000	18.000
CD06SP02	53	0.984	0.705	105.1	6.198	0.000	18.000

===>Grouped by Line: 025-18"-C-07, No Sorting.

OUTLET NOZZLE P-2-1B	31	1.968	1.410	105.1	6.198	0.000	18.000
CD07EL01	4	1.456	1.044	105.1	6.198	0.000	18.000
CD07VA01	25	1.968	1.410	105.1	6.198	0.000	18.000
CD07SP01	58	0.866	0.621	105.1	6.198	0.000	18.000
CD07VA02	22	1.941	1.391	105.1	6.108	0.000	18.000
CD07EL02	3	1.377	0.987	105.1	6.198	0.000	18.000
CD07SP02	53	0.984	0.705	105.1	6.198	0.000	18.000

===>Grouped by Line: 025-18"-C-08, No Sorting.

OUTLET NOZZLE P-2-1C	31	1.968	1.410	105.1	6.198	0.000	18.000
CD08EL01	4	1.456	1.044	105.1	6.198	0.000	18.000
CD08VA01	25	1.968	1.410	105.1	6.198	0.000	18.000
CD08SP01	58	0.866	0.621	105.1	6.198	0.000	18.000
CD08VA02	22	1.941	1.391	105.1	6.108	0.000	18.000
CD08EL02	3	1.377	0.987	105.1	6.198	0.000	18.000
CD08SP02	53	0.984	0.705	105.1	6.198	0.000	18.000
CD08EL03	2	1.456	1.044	105.1	6.198	0.000	18.000
CD08SP03	52	0.984	0.705	105.1	6.198	0.000	18.000

>Grouped by Line: 025-24"-C-08, No Sorting.

08RD01(L/E)	18	0.684	0.491	105.1	3.449	0.000	24.000
CD08RD01(S/E)	18	1.102	0.790	105.1	6.198	0.000	18.000
CD08TE01(U/S)	12	0.935	0.670	105.1	3.449	0.000	24.000
CD08TE01(D/S)	12	1.698	1.217	105.1	6.898	0.000	24.000
CD08TE01(BR.)	12	1.338	0.959	105.1	6.198	0.000	18.000
CD08SP04	62	0.828	0.594	105.1	6.898	0.000	24.000
CD08TE02(U/S)	12	1.698	1.217	105.1	6.898	0.000	24.000
CD08TE02(D/S)	12	2.157	1.546	105.1	10.346	0.000	24.000
CD08TE02(BR.)	12	1.338	0.959	105.1	6.198	0.000	18.000
CD08SP05	62	1.052	0.754	105.1	10.346	0.000	24.000
CD08EL04	2	1.947	1.396	105.1	10.346	0.000	24.000
CD08SP06	52	1.315	0.943	105.1	10.346	0.000	24.000
CD08FE01A	52	1.358	0.973	105.1	10.880	0.000	24.000
CD08FE01B	52	1.315	0.943	105.1	10.346	0.000	24.000
CD08FE01	6	0.159	0.114	105.1	28.203	0.000	24.000
CD08FE01C	56	0.989	0.709	105.1	28.203	0.000	24.000
CD08EL05	4	1.947	1.396	105.1	10.346	0.000	24.000
CD08SP07	54	1.684	1.207	105.1	10.346	0.000	24.000
CD08TE03(U/S)	14	2.894	2.074	105.1	10.346	0.000	24.000
CD08TE03(D/S)	14	1.778	1.275	105.1	5.173	0.000	24.000
CD08TE03(BR.)	14	2.776	1.990	105.1	18.388	0.000	12.750
CD08SP08	64	0.647	0.464	105.1	5.173	0.000	24.000
CD08TE04(U/S)	15	0.970	0.695	105.1	5.173	0.000	24.000
CD08TE04(D/S)	15	0.970	0.695	105.1	5.173	0.000	24.000
CD08SP09	64	0.647	0.464	105.1	5.173	0.000	24.000
CD08TE05(U/S)	12	1.326	0.950	105.1	5.173	0.000	24.000
CD08TE05(D/S)	12	3.002	2.152	163.1	10.513	0.000	24.000
CD08TE05(BR.)	12	2.696	1.933	105.1	18.388	0.000	12.750
CD08CP01	62	0.005	0.003	105.1	0.016	0.000	24.000

===>Grouped by Line: 026-12"-C-12, No Sorting.

OUTLET AFTER COND	31	0.037	0.026	106.2	0.057	0.000	12.750
CD12SP01	61	0.020	0.014	106.2	0.057	0.000	12.750
CD12VA01	22	0.037	0.026	106.2	0.057	0.000	12.750
CD12SP02	58	0.016	0.012	106.2	0.057	0.000	12.750

===>Grouped by Line: 026-12"-C-13, No Sorting.

OUTLET INTER COND B	31	3.965	2.842	106.2	18.392	0.000	12.750
CD13SP01	61	2.141	1.535	106.2	18.392	0.000	12.750

Grouped by Line: 026-12"-C-14, No Sorting.

OUTLET INTER COND A	31	3.965	2.842	106.2	18.392	0.000	12.750
CD14SP01	61	2.141	1.535	106.2	18.392	0.000	12.750

===>Grouped by Line: 026-24"-C-15, No Sorting.

CD15CP01	62	0.005	0.003	106.2	0.016	0.000	24.000

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CD15TE01(U/S)	12	3.002	2.152	163.1	10.513	0.000	24.000
CD15TE01(D/S)	12	1.326	0.950	106.2	5.174	0.000	24.000
CD15TE01(BR.)	12	2.714	1.945	106.2	18.584	0.000	12.750
CD15TE02(U/S)	15	0.970	0.695	106.2	5.174	0.000	24.000
CD15TE02(D/S)	15	0.970	0.695	106.2	5.174	0.000	24.000
CD15TE03(U/S)	12	1.326	0.950	106.2	5.174	0.000	24.000
CD15TE03(D/S)	12	2.157	1.546	106.2	10.349	0.000	24.000
D15TE03(BR.)	12	2.714	1.945	106.2	18.584	0.000	12.750
D15SP01	62	1.052	0.754	106.2	10.349	0.000	24.000
CD15EL01	2	1.947	1.396	106.2	10.349	0.000	24.000
CD15EL02	4	1.947	1.396	106.2	10.349	0.000	24.000
CD15SP02	54	1.684	1.207	106.2	10.349	0.000	24.000
CD15EL03	2	1.947	1.396	106.2	10.349	0.000	24.000
CD15EL04	4	1.947	1.396	106.2	10.349	0.000	24.000
CD15SP03	54	1.684	1.207	106.2	10.349	0.000	24.000
INLET NOZZLE E-24-1A	30	2.105	1.509	106.2	10.349	0.000	24.000

===>Grouped by Line: 026-24"-C-16, No Sorting.

OUTLET NOZZLE E-24-1A	31	2.631	1.886	107.1	10.351	0.000	24.000
CD16EL01	4	1.947	1.396	107.1	10.351	0.000	24.000
CD16SP01	54	1.684	1.207	107.1	10.351	0.000	24.000
CD16EL02	2	1.947	1.396	107.1	10.351	0.000	24.000
CD16SP02	52	1.315	0.943	107.1	10.351	0.000	24.000
CD16EL03	2	1.947	1.396	107.1	10.351	0.000	24.000
CD16SP03	52	1.315	0.943	107.1	10.351	0.000	24.000

===>Grouped by Line: 027-10"-CD-01A, No Sorting.

CD1ASP01	57	1.490	1.068	107.1	10.554	0.000	10.750
CD1AEL01	2	2.206	1.581	107.1	10.554	0.000	10.750
CD1ASP02	52	1.490	1.068	107.1	10.554	0.000	10.750
CD1AEL02	2	2.206	1.581	107.1	10.554	0.000	10.750
CD1ASP03	52	1.490	1.068	107.1	10.554	0.000	10.750
CD1AFE01	6	4.586	3.288	107.1	20.937	0.000	10.750
CD1ASP04	56	0.917	0.658	107.1	20.937	0.000	10.750
CD1AVA01	22	2.981	2.137	107.1	10.554	0.000	10.750
CD1AEL03	4	2.206	1.581	107.1	10.554	0.000	10.750
CD1ASP05	54	1.908	1.367	107.1	10.554	0.000	10.750
CD1AEL04	2	2.206	1.581	107.1	10.554	0.000	10.750
CD1ASP06	52	1.490	1.068	107.1	10.554	0.000	10.750
CD1AEL05	2	2.206	1.581	107.1	10.554	0.000	10.750
CD1ASP07	52	1.490	1.068	107.1	10.554	0.000	10.750
CD1AVA02	23	2.981	2.137	107.1	10.554	0.000	10.750
CD1ASP08	58	1.312	0.940	107.1	10.554	0.000	10.750
CD1ATE01(U/S)	15	1.789	1.282	107.1	10.554	0.000	10.750
CD1ATE01(D/S)	15	1.789	1.282	107.1	10.554	0.000	10.750
CD1ASP09	65	1.192	0.855	107.1	10.554	0.000	10.750
CD1ATE02(U/S)	12	8.363	5.994	163.1	53.596	0.000	10.750
CD1ATE02(D/S)	12	2.444	1.752	107.1	10.554	0.000	10.750
01ATE02(BR.)	12	2.027	1.453	107.1	10.554	0.000	10.750
ASP10	62	1.192	0.855	107.1	10.554	0.000	10.750
ARD01(L/E)	18	1.426	1.022	107.1	7.358	0.000	12.750
1ARD01(S/E)	18	1.669	1.197	107.1	10.554	0.000	10.750
CD1AEL06	4	1.758	1.260	107.1	7.358	0.000	12.750
INLET DEMIN A	30	1.901	1.362	107.1	7.358	0.000	12.750

===>Grouped by Line: 027-10"-CD-01B, No Sorting.

CD1BSP01	64	1.192	0.855	107.1	10.554	0.000	10.750
CD1BEL01	2	2.206	1.581	107.1	10.554	0.000	10.750
CD1BSP02	52	1.490	1.068	107.1	10.554	0.000	10.750
CD1BFE01	6	4.586	3.288	107.1	20.937	0.000	10.750
CD1BSP03	56	0.917	0.658	107.1	20.937	0.000	10.750
CD1BEL02	2	2.206	1.581	107.1	10.554	0.000	10.750
CD1BVA01	23	2.981	2.137	107.1	10.554	0.000	10.750
CD1BSP04	58	1.312	0.940	107.1	10.554	0.000	10.750
CD1BEL03	2	2.206	1.581	107.1	10.554	0.000	10.750
CD1BSP05	52	1.490	1.068	107.1	10.554	0.000	10.750
CD1BEL04	2	2.206	1.581	107.1	10.554	0.000	10.750
CD1BSP06	52	1.490	1.068	107.1	10.554	0.000	10.750
CD1BVA02	23	2.981	2.137	107.1	10.554	0.000	10.750
CD1BSP07	58	1.312	0.940	107.1	10.554	0.000	10.750
CD1BTE01(U/S)	15	1.789	1.282	107.1	10.554	0.000	10.750
CD1BTE01(D/S)	15	1.789	1.282	107.1	10.554	0.000	10.750
CD1BSP08	65	1.192	0.855	107.1	10.554	0.000	10.750
CD1BTE02(U/S)	12	2.444	1.752	107.1	10.554	0.000	10.750
CD1BTE02(D/S)	12	8.363	5.994	163.1	53.596	0.000	10.750
CD1BTE02(BR.)	12	2.027	1.453	107.1	10.554	0.000	10.750
CD1BSP09	62	1.192	0.855	107.1	10.554	0.000	10.750
CD1BRD01(L/E)	18	1.426	1.022	107.1	7.358	0.000	12.750
CD1BRD01(S/E)	18	1.669	1.197	107.1	10.554	0.000	10.750
CD1BEL05	4	1.758	1.260	107.1	7.358	0.000	12.750
INLET DEMIN B	30	1.901	1.362	107.1	7.358	0.000	12.750

===>Grouped by Line: 027-10"-CD-01C, No Sorting.

CD1CSP01	64	1.192	0.855	107.1	10.554	0.000	10.750
CD1CEL01	2	2.206	1.581	107.1	10.554	0.000	10.750
CD1CEL02	4	2.206	1.581	107.1	10.554	0.000	10.750
CD1CSP02	52	1.490	1.068	107.1	10.554	0.000	10.750
CD1CFE01	6	4.586	3.288	107.1	20.937	0.000	10.750
CD1CSP03	56	0.917	0.658	107.1	20.937	0.000	10.750
CD1CEL03	2	2.206	1.581	107.1	10.554	0.000	10.750
SP04	52	1.490	1.068	107.1	10.554	0.000	10.750
VA01	23	2.981	2.137	107.1	10.554	0.000	10.750
EL04	4	2.206	1.581	107.1	10.554	0.000	10.750
CD1CSP05	54	1.908	1.367	107.1	10.554	0.000	10.750
CD1CEL05	2	2.206	1.581	107.1	10.554	0.000	10.750
CD1CSP06	52	1.490	1.068	107.1	10.554	0.000	10.750
CD1CVA02	23	2.981	2.137	107.1	10.554	0.000	10.750
CD1CSP07	58	1.312	0.940	107.1	10.554	0.000	10.750
CD1CTE01(U/S)	15	1.789	1.282	107.1	10.554	0.000	10.750

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CD1CTE01(D/S)	15	1.789	1.282	107.1	10.554	0.000	10.750
CD1CSP08	65	1.192	0.855	107.1	10.554	0.000	10.750
CD1CTE02(U/S)	12	8.363	5.994	163.1	53.596	0.000	10.750
CD1CTE02(D/S)	12	2.444	1.752	107.1	10.554	0.000	10.750
CD1CTE02(BR.)	12	2.027	1.453	107.1	10.554	0.000	10.750
CD1CSP09	62	1.192	0.855	107.1	10.554	0.000	10.750
CD1CRD01(L/E)	18	1.426	1.022	107.1	7.358	0.000	12.750
CD1CRD01(S/E)	18	1.669	1.197	107.1	10.554	0.000	10.750
CD1CEL05	4	1.758	1.260	107.1	7.358	0.000	12.750
INLET DEMIN C	30	1.901	1.362	107.1	7.358	0.000	12.750

===>Grouped by Line: 027-10"-CD-01D, No Sorting.

CD1DSP01	64	1.192	0.855	107.1	10.554	0.000	10.750
CD1DEL01	2	2.206	1.581	107.1	10.554	0.000	10.750
CD1DSP02	52	1.490	1.068	107.1	10.554	0.000	10.750
CD1CFE01	6	4.586	3.288	107.1	20.937	0.000	10.750
CD1DSP03	56	0.917	0.658	107.1	20.937	0.000	10.750
CD1DEL02	2	2.206	1.581	107.1	10.554	0.000	10.750
CD1DSP04	52	1.490	1.068	107.1	10.554	0.000	10.750
CD1DVA01	23	2.981	2.137	107.1	10.554	0.000	10.750
CD1DEL04	4	2.206	1.581	107.1	10.554	0.000	10.750
CD1DSP05	54	1.908	1.367	107.1	10.554	0.000	10.750
CD1DEL04	2	2.206	1.581	107.1	10.554	0.000	10.750
CD1DSP06	52	1.490	1.068	107.1	10.554	0.000	10.750
CD1DVA02	23	2.981	2.137	107.1	10.554	0.000	10.750
CD1DSP07	58	1.312	0.940	107.1	10.554	0.000	10.750
CD1DTE01(U/S)	15	1.789	1.282	107.1	10.554	0.000	10.750
CD1DTE01(D/S)	15	1.789	1.282	107.1	10.554	0.000	10.750
CD1DSP08	65	1.192	0.855	107.1	10.554	0.000	10.750
CD1DTE02(U/S)	12	8.363	5.994	163.1	53.596	0.000	10.750
CD1DTE02(D/S)	12	2.444	1.752	107.1	10.554	0.000	10.750
CD1DTE02(BR.)	12	2.027	1.453	107.1	10.554	0.000	10.750
CD1DSP09	62	1.192	0.855	107.1	10.554	0.000	10.750
CD1DRD01(L/E)	18	1.426	1.022	107.1	7.358	0.000	12.750
CD1DRD01(S/E)	18	1.669	1.197	107.1	10.554	0.000	10.750
CD1DEL05	4	1.758	1.260	107.1	7.358	0.000	12.750
INLET DEMIN D	30	1.901	1.362	107.1	7.358	0.000	12.750

===>Grouped by Line: 027-10"-CD-01E, No Sorting.

CD1ESP01	62	1.192	0.855	107.1	10.554	0.000	10.750
CD1EEL01	2	2.206	1.581	107.1	10.554	0.000	10.750
CD1ESP02	52	1.490	1.068	107.1	10.554	0.000	10.750
CD1EFE01	6	4.586	3.288	107.1	20.937	0.000	10.750
CD1ESP04	56	0.917	0.658	107.1	20.937	0.000	10.750
CD1EVA01	22	2.981	2.137	107.1	10.554	0.000	10.750
CD1EEL02	4	2.206	1.581	107.1	10.554	0.000	10.750
CD1ESP04	54	1.908	1.367	107.1	10.554	0.000	10.750
CD1EEL03	2	2.206	1.581	107.1	10.554	0.000	10.750
CD1ESP05	52	1.490	1.068	107.1	10.554	0.000	10.750
CD1EEL04	2	2.206	1.581	107.1	10.554	0.000	10.750
CD1ESP06	52	1.490	1.068	107.1	10.554	0.000	10.750
CD1EVA02	23	2.981	2.137	107.1	10.554	0.000	10.750
CD1ESP07	58	1.312	0.940	107.1	10.554	0.000	10.750
CD1ETE01(U/S)	15	1.789	1.282	107.1	10.554	0.000	10.750
CD1ETE01(D/S)	15	1.789	1.282	107.1	10.554	0.000	10.750
CD1ESP08	65	1.192	0.855	107.1	10.554	0.000	10.750
CD1ETE02(U/S)	12	8.363	5.994	163.1	53.596	0.000	10.750
CD1ETE02(D/S)	12	2.444	1.752	107.1	10.554	0.000	10.750
CD1ETE02(BR.)	12	2.027	1.453	107.1	10.554	0.000	10.750
CD1ESP09	62	1.192	0.855	107.1	10.554	0.000	10.750
CD1ERD01(L/E)	18	1.426	1.022	107.1	7.358	0.000	12.750
CD1ERD01(S/E)	18	1.669	1.197	107.1	10.554	0.000	10.750
CD1EEL06	4	1.758	1.260	107.1	7.358	0.000	12.750
INLET DEMIN E	30	1.901	1.362	107.1	7.358	0.000	12.750

===>Grouped by Line: 027-24"-CD-01, No Sorting.

CD01RD01(L/E)	7	0.515	0.369	107.1	2.070	0.000	24.000
CD01RD01(S/E)	7	1.908	1.367	107.1	10.554	0.000	10.750
CD01TE02(U/S)	14	1.468	1.052	107.1	4.140	0.000	24.000
CD01TE02(D/S)	14	0.809	0.580	107.1	2.070	0.000	24.000
CD01TE02(BR.)	14	2.087	1.496	107.1	10.554	0.000	10.750
CD01SP01	60	0.801	0.574	107.1	4.140	0.000	24.000
CD01TE01(U/S)	10	1.334	0.956	107.1	4.140	0.000	24.000
CD01TE01(D/S)	10	1.891	1.355	107.1	6.211	0.000	24.000
CD01TE01(BR.)	10	2.105	1.509	107.1	10.351	0.000	24.000
CD01TE02(U/S)	14	2.080	1.491	107.1	6.211	0.000	24.000
CD01TE02(D/S)	14	1.468	1.052	107.1	4.140	0.000	24.000
CD01TE02(BR.)	14	2.087	1.496	107.1	10.554	0.000	10.750
CD01SP02	64	0.534	0.383	107.1	4.140	0.000	24.000
CD01TE03(U/S)	14	1.468	1.052	107.1	4.140	0.000	24.000
CD01TE03(D/S)	14	0.809	0.580	107.1	2.070	0.000	24.000
CD01TE03(BR.)	14	2.087	1.496	107.1	10.554	0.000	10.750
CD01SP03	64	0.294	0.211	107.1	2.070	0.000	24.000
CD01TE04(U/S)	12	0.603	0.432	107.1	2.070	0.000	24.000
CD01TE04(D/S)	12	3.002	2.152	163.1	10.513	0.000	24.000
CD01TE04(BR.)	12	2.027	1.453	107.1	10.554	0.000	10.750

===>Grouped by Line: 028-10"-CD-03A, No Sorting.

OUTLET DEMIN A	31	2.376	1.703	107.1	7.358	0.000	12.750
CD3AEL01	4	1.758	1.260	107.1	7.358	0.000	12.750
[illegible]RD01(L/E)	7	1.663	1.192	107.1	7.358	0.000	12.750
[illegible]RD01(S/E)	7	1.908	1.367	107.1	10.554	0.000	10.750
[illegible]EL02	3	2.087	1.496	107.1	10.554	0.000	10.750
CD3ASP01	53	1.490	1.068	107.1	10.554	0.000	10.750
CD3ATE01(U/S)	12	2.444	1.752	107.1	10.554	0.000	10.750
CD3ATE01(D/S)	12	8.363	5.994	163.1	53.596	0.000	10.750
CD3ATE01(BR.)	12	2.027	1.453	107.1	10.554	0.000	10.750
CD3ATE02(U/S)	12	2.444	1.752	107.1	10.554	0.000	10.750
CD3ATE02(D/S)	12	8.363	5.994	163.1	53.596	0.000	10.750

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CD3ATE02(BR.)	12	2.027	1.453	107.1	10.554	0.000	10.750
CD3ARD02(L/E)	7	2.087	1.496	107.1	10.554	0.000	10.750
CD3ARD02(S/E)	7	2.540	1.821	107.1	16.635	0.000	8.625
CD3AEL03	4	2.937	2.105	107.1	16.635	0.000	8.625
CD3AVA01	22	3.969	2.845	107.1	16.635	0.000	8.625
CD3ARD03(L/E)	18	1.789	1.282	107.1	10.554	0.000	10.750
CD3ARD03(S/E)	18	2.222	1.593	107.1	16.635	0.000	8.625
CD3ASP02	68	1.490	1.068	107.1	10.554	0.000	10.750
CD3AEL04	2	2.206	1.581	107.1	10.554	0.000	10.750
CD3ASP03	52	1.490	1.068	107.1	10.554	0.000	10.750
CD3AEL05	1	1.967	1.410	107.1	10.554	0.000	10.750
CD3ASP04	51	1.312	0.940	107.1	10.554	0.000	10.750
CD3AEL06	1	1.967	1.410	107.1	10.554	0.000	10.750
CD3ASP05	51	1.312	0.940	107.1	10.554	0.000	10.750
CD3AVA02	22	3.969	2.845	107.1	16.635	0.000	8.625
CD3ASP07	58	1.312	0.940	107.1	10.554	0.000	10.750

===>Grouped by Line: 028-10"-CD-03B, No Sorting.

OUTLET DEMIN B	31	2.376	1.703	107.1	7.358	0.000	12.750
CD3BEL01	4	1.758	1.260	107.1	7.358	0.000	12.750
CD3BRD01(L/E)	7	1.663	1.192	107.1	7.358	0.000	12.750
CD3BRD01(S/E)	7	1.908	1.367	107.1	10.554	0.000	10.750
CD3BEL02	3	2.087	1.496	107.1	10.554	0.000	10.750
CD3BSP01	53	1.490	1.068	107.1	10.554	0.000	10.750
CD3BTE01(U/S)	12	2.444	1.752	107.1	10.554	0.000	10.750
CD3BTE01(D/S)	12	8.363	5.994	163.1	53.596	0.000	10.750
CD3BTE01(BR.)	12	2.027	1.453	107.1	10.554	0.000	10.750
CD3BTE02(U/S)	12	2.444	1.752	107.1	10.554	0.000	10.750
CD3BTE02(D/S)	12	8.363	5.994	163.1	53.596	0.000	10.750
CD3BTE02(BR.)	12	2.027	1.453	107.1	10.554	0.000	10.750
CD3BRD02(L/E)	7	2.087	1.496	107.1	10.554	0.000	10.750
CD3BRD02(S/E)	7	2.540	1.821	107.1	16.635	0.000	8.625
CD3BEL03	4	2.937	2.105	107.1	16.635	0.000	8.625
CD3BVA01	22	3.969	2.845	107.1	16.635	0.000	8.625
CD3BRD03(L/E)	18	1.789	1.282	107.1	10.554	0.000	10.750
CD3BRD03(S/E)	18	2.222	1.593	107.1	16.635	0.000	8.625
CD3BSP02	68	1.490	1.068	107.1	10.554	0.000	10.750
CD3BEL04	2	2.206	1.581	107.1	10.554	0.000	10.750
CD3BSP03	52	1.490	1.068	107.1	10.554	0.000	10.750
CD3BEL05	1	1.967	1.410	107.1	10.554	0.000	10.750
CD3BSP04	51	1.312	0.940	107.1	10.554	0.000	10.750
CD3BVA02	22	3.969	2.845	107.1	16.635	0.000	8.625
CD3BSP05	58	1.312	0.940	107.1	10.554	0.000	10.750

===>Grouped by Line: 028-10"-CD-03C, No Sorting.

OUTLET DEMIN C	31	2.376	1.703	107.1	7.358	0.000	12.750
CD3CEL01	4	1.758	1.260	107.1	7.358	0.000	12.750
CD3CRD01(L/E)	7	1.663	1.192	107.1	7.358	0.000	12.750
CD3CRD01(S/E)	7	1.908	1.367	107.1	10.554	0.000	10.750
CD3CEL02	3	2.087	1.496	107.1	10.554	0.000	10.750
CD3CSP01	53	1.490	1.068	107.1	10.554	0.000	10.750
CD3CTE01(U/S)	12	2.444	1.752	107.1	10.554	0.000	10.750
CD3CTE01(D/S)	12	8.363	5.994	163.1	53.596	0.000	10.750
CD3CTE01(BR.)	12	2.027	1.453	107.1	10.554	0.000	10.750
CD3CTE02(U/S)	12	2.444	1.752	107.1	10.554	0.000	10.750
CD3CTE02(D/S)	12	8.363	5.994	163.1	53.596	0.000	10.750
CD3CTE02(BR.)	12	2.027	1.453	107.1	10.554	0.000	10.750
CD3CRD02(L/E)	7	2.087	1.496	107.1	10.554	0.000	10.750
CD3CRD02(S/E)	7	2.540	1.821	107.1	16.635	0.000	8.625
CD3CEL03	4	2.937	2.105	107.1	16.635	0.000	8.625
CD3CVA01	22	3.969	2.845	107.1	16.635	0.000	8.625
CD3CRD03(L/E)	18	1.789	1.282	107.1	10.554	0.000	10.750
CD3CRD03(S/E)	18	2.222	1.593	107.1	16.635	0.000	8.625
CD3CSP02	68	1.490	1.068	107.1	10.554	0.000	10.750
CD3CEL04	2	2.206	1.581	107.1	10.554	0.000	10.750
CD3CSP03	52	1.490	1.068	107.1	10.554	0.000	10.750
CD3CEL05	1	1.967	1.410	107.1	10.554	0.000	10.750
CD3CSP04	51	1.312	0.940	107.1	10.554	0.000	10.750
CD3CVA02	22	3.969	2.845	107.1	16.635	0.000	8.625
CD3CSP05	58	1.312	0.940	107.1	10.554	0.000	10.750

===>Grouped by Line: 028-10"-CD-03D, No Sorting.

OUTLET DEMIN D	31	2.376	1.703	107.1	7.358	0.000	12.750
CD3DEL01	4	1.758	1.260	107.1	7.358	0.000	12.750
CD3DRD01(L/E)	7	1.663	1.192	107.1	7.358	0.000	12.750
CD3DRD01(S/E)	7	1.908	1.367	107.1	10.554	0.000	10.750
CD3DEL02	3	2.087	1.496	107.1	10.554	0.000	10.750
CD3DSP01	53	1.490	1.068	107.1	10.554	0.000	10.750
CD3DTE01(U/S)	12	2.444	1.752	107.1	10.554	0.000	10.750
CD3DTE01(D/S)	12	8.363	5.994	163.1	53.596	0.000	10.750
CD3DTE01(BR.)	12	2.027	1.453	107.1	10.554	0.000	10.750
CD3DTE02(U/S)	12	2.444	1.752	107.1	10.554	0.000	10.750
CD3DTE02(D/S)	12	8.363	5.994	163.1	53.596	0.000	10.750
CD3DTE02(BR.)	12	2.027	1.453	107.1	10.554	0.000	10.750
CD3DRD02(L/E)	7	2.087	1.496	107.1	10.554	0.000	10.750
CD3DRD02(S/E)	7	2.540	1.821	107.1	16.635	0.000	8.625
CD3DEL03	4	2.937	2.105	107.1	16.635	0.000	8.625
CD3DVA01	22	3.969	2.845	107.1	16.635	0.000	8.625
CD3DRD03(L/E)	18	1.789	1.282	107.1	10.554	0.000	10.750
CD3DRD03(S/E)	18	2.222	1.593	107.1	16.635	0.000	8.625
CD3DSP02	68	1.490	1.068	107.1	10.554	0.000	10.750
CD3DEL04	2	2.206	1.581	107.1	10.554	0.000	10.750
CD3DSP03	52	1.490	1.068	107.1	10.554	0.000	10.750
CD3DEL05	1	1.967	1.410	107.1	10.554	0.000	10.750
CD3DSP04	51	1.312	0.940	107.1	10.554	0.000	10.750
CD3DVA02	22	3.969	2.845	107.1	16.635	0.000	8.625
CD3DSP05	58	1.312	0.940	107.1	10.554	0.000	10.750

===>Grouped by Line: 028-10"-CD-03E, No Sorting.

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OUTLET DEMIN E	31	2.376	1.703	107.1	7.358	0.000	12.750
CD3EEL01	4	1.758	1.260	107.1	7.358	0.000	12.750
CD3ERD01(L/E)	7	1.663	1.192	107.1	7.358	0.000	12.750
CD3ERD01(S/E)	7	1.908	1.367	107.1	10.554	0.000	10.750
CD3EEL02	3	2.087	1.496	107.1	10.554	0.000	10.750
CD3ESP01	53	1.490	1.068	107.1	10.554	0.000	10.750
CD3ETE01(U/S)	12	2.444	1.752	107.1	10.554	0.000	10.750
CD3ETE01(D/S)	12	8.363	5.994	163.1	53.596	0.000	10.750
CD3ETE01(BR.)	12	2.027	1.453	107.1	10.554	0.000	10.750
CD3ETE02(U/S)	12	2.444	1.752	107.1	10.554	0.000	10.750
CD3ETE02(D/S)	12	8.363	5.994	163.1	53.596	0.000	10.750
CD3ETE02(BR.)	12	2.027	1.453	107.1	10.554	0.000	10.750
CD3ERD02(L/E)	7	2.087	1.496	107.1	10.554	0.000	10.750
CD3ERD02(S/E)	7	2.540	1.821	107.1	16.635	0.000	8.625
CD3EEL03	4	2.937	2.105	107.1	16.635	0.000	8.625
CD3ESP02	52	1.984	1.422	107.1	16.635	0.000	8.625
CD3EEL04	2	2.937	2.105	107.1	16.635	0.000	8.625
CD3EVA01	22	3.969	2.845	107.1	16.635	0.000	8.625
CD3ERD03(L/E)	18	1.789	1.282	107.1	10.554	0.000	10.750
CD3ERD03(S/E)	18	2.222	1.593	107.1	16.635	0.000	8.625
CD3ESP03	68	1.490	1.068	107.1	10.554	0.000	10.750
CD3EEL05	2	2.206	1.581	107.1	10.554	0.000	10.750
CD3ESP04	52	1.490	1.068	107.1	10.554	0.000	10.750
CD3EEL06	2	2.206	1.581	107.1	10.554	0.000	10.750
CD3EVA02	22	3.969	2.845	107.1	16.635	0.000	8.625
CD3ESP05	58	1.312	0.940	107.1	10.554	0.000	10.750

===>Grouped by Line: 028-16"-CD-02, No Sorting.

CD02RD02(L/E)	7	0.008	0.006	107.1	0.016	0.000	24.000
CD02RD02(S/E)	7	0.015	0.011	107.1	0.037	0.000	16.000
CD02SP01	57	0.012	0.009	107.1	0.037	0.000	16.000
CD02EL01	2	0.018	0.013	107.1	0.037	0.000	16.000
CD02SP02	52	0.012	0.009	107.1	0.037	0.000	16.000
CD02EL02	2	0.018	0.013	107.1	0.037	0.000	16.000
CD02SP03	52	0.012	0.009	107.1	0.037	0.000	16.000
CD02EL03	2	0.018	0.013	107.1	0.037	0.000	16.000
CD02SP04	52	0.012	0.009	107.1	0.037	0.000	16.000
CD02VA01	23	0.024	0.017	107.1	0.037	0.000	16.000
CD02SP05	58	0.011	0.008	107.1	0.037	0.000	16.000
CD02EL04	2	0.018	0.013	107.1	0.037	0.000	16.000
CD02TE01(U/S)	12	5.034	3.608	163.1	23.916	0.000	16.000
CD02TE01(D/S)	12	1.295	0.928	107.1	4.709	0.000	16.000
CD02TE01(BR.)	12	2.027	1.453	107.1	10.554	0.000	10.750
CD02SP06	62	0.632	0.453	107.1	4.709	0.000	16.000

===>Grouped by Line: 028-24"-CD-03, No Sorting.

CD03RD01(L/E)	18	1.215	0.871	107.1	6.152	0.000	14.000
CD03RD01(S/E)	18	1.669	1.197	107.1	10.554	0.000	10.750
CD03TE01(U/S)	12	1.660	1.190	107.1	6.152	0.000	14.000
CD03TE01(D/S)	12	2.564	1.838	107.1	12.304	0.000	14.000
CD03TE01(BR.)	12	2.027	1.453	107.1	10.554	0.000	10.750
CD03SP01	62	1.251	0.897	107.1	12.304	0.000	14.000
CD03RD02(L/E)	18	1.586	1.137	107.1	9.419	0.000	16.000
CD03RD02(S/E)	18	1.751	1.255	107.1	12.304	0.000	14.000
CD03TE02(U/S)	12	2.168	1.554	107.1	9.419	0.000	16.000
CD03TE02(D/S)	12	2.719	1.949	107.1	14.128	0.000	16.000
CD03TE02(BR.)	12	2.027	1.453	107.1	10.554	0.000	10.750
CD03SP02	62	1.326	0.951	107.1	14.128	0.000	16.000
CD03RD03(L/E)	18	1.135	0.813	107.1	6.211	0.000	24.000
CD03RD03(S/E)	18	1.857	1.331	107.1	14.128	0.000	16.000
CD03TE03(U/S)	12	1.551	1.112	107.1	6.211	0.000	24.000
CD03TE03(D/S)	12	1.904	1.365	107.1	8.281	0.000	24.000
CD03TE03(BR.)	12	2.027	1.453	107.1	10.554	0.000	10.750
CD03EL01	2	1.719	1.232	107.1	8.281	0.000	24.000
CD03EL02	4	1.719	1.232	107.1	8.281	0.000	24.000
CD03SP03	54	1.486	1.065	107.1	8.281	0.000	24.000
CD03TE04(U/S)	12	1.904	1.365	107.1	8.281	0.000	24.000
CD03TE04(D/S)	12	2.157	1.546	107.1	10.351	0.000	24.000
CD03TE04(BR.)	12	1.074	0.770	107.1	4.709	0.000	16.000
CD03SP04	62	1.052	0.754	107.1	10.351	0.000	24.000

===>Grouped by Line: 029-20"-C-18, No Sorting.

CD18SP06	57	1.123	0.805	107.1	7.451	0.000	20.000
CD18VA01	22	2.219	1.590	107.1	7.304	0.000	20.000
CD18SP07	58	0.988	0.709	107.1	7.451	0.000	20.000
CD18EL08	2	1.662	1.192	107.1	7.451	0.000	20.000
CD18SP08	52	1.123	0.805	107.1	7.451	0.000	20.000
CD18EL09	3	1.573	1.127	107.1	7.451	0.000	20.000
INLET E-5-1A	30	1.578	1.272	107.1	7.304	0.000	20.000

===>Grouped by Line: 029-20"-C-19, No Sorting.

CD19SP01	62	0.899	0.644	107.1	7.451	0.000	20.000
CD19VA01	22	2.219	1.590	107.1	7.304	0.000	20.000
CD19SP02	58	0.988	0.709	107.1	7.451	0.000	20.000
CD19EL01	2	1.662	1.192	107.1	7.451	0.000	20.000
CD19EL02	3	1.573	1.127	107.1	7.451	0.000	20.000
INLET E-5-1B	30	1.578	1.272	107.1	7.304	0.000	20.000

===>Grouped by Line: 029-24"-C-18, No Sorting.

CD18TE01(U/S)	12	3.002	2.152	163.1	10.513	0.000	24.000
CD18TE01(D/S)	12	2.152	1.542	107.1	10.303	0.000	24.000
CD18TE01(BR.)	12	1.784	1.279	107.1	10.303	0.000	24.000
CD18SP01	62	1.050	0.752	107.1	10.303	0.000	24.000
CD18TE02(U/S)	15	1.574	1.129	107.1	10.303	0.000	24.000
CD18TE02(D/S)	15	1.574	1.129	107.1	10.303	0.000	24.000
CD18EL01	3	1.837	1.317	107.1	10.303	0.000	24.000
CD18EL02	3	1.837	1.317	107.1	10.303	0.000	24.000
CD18SP02	53	1.312	0.940	107.1	10.303	0.000	24.000

CD18EL03	1	1.732	1.241	107.1	10.303	0.000	24.000
CD18SP03	51	1.155	0.828	107.1	10.303	0.000	24.000
CD18EL04	1	1.732	1.241	107.1	10.303	0.000	24.000
CD18SP04	51	1.155	0.828	107.1	10.303	0.000	24.000
CD18SP04A	9	0.643	0.461	107.1	10.303	0.000	24.000
CD18EL05	2	1.942	1.392	107.1	10.303	0.000	24.000
CD18SP05	52	1.312	0.940	107.1	10.303	0.000	24.000
18EL06	4	1.942	1.392	107.1	10.303	0.000	24.000
18TE03(U/S)	14	2.887	2.069	107.1	10.303	0.000	24.000
D18TE03(D/S)	14	1.771	1.270	107.1	5.151	0.000	24.000
CD18TE03(BR.)	14	1.573	1.127	107.1	7.451	0.000	20.000
CD18EL07	4	1.192	0.854	107.1	5.151	0.000	24.000
CD18RD01(L/E)	7	1.127	0.808	107.1	5.151	0.000	24.000
CD18RD01(S/E)	7	1.438	1.031	107.1	7.451	0.000	20.000

===>Grouped by Line: 030-20"-C-25, No Sorting.

OUTLET E-5-1A	31	2.744	2.213	163.1	7.418	0.000	20.000
CD25EL01	3	2.188	1.568	163.1	7.567	0.000	20.000
CD25EL02	4	2.313	1.658	163.1	7.567	0.000	20.000
CD25SP01	54	2.001	1.434	163.1	7.567	0.000	20.000
CD25SP01A	9	0.697	0.499	163.1	7.567	0.000	20.000
CD25EL03	2	2.313	1.658	163.1	7.567	0.000	20.000
CD25SP02	52	1.563	1.120	163.1	7.567	0.000	20.000
CD25EL04	2	2.313	1.658	163.1	7.567	0.000	20.000
CD25SP03	52	1.563	1.120	163.1	7.567	0.000	20.000
CD25EL05	2	2.313	1.658	163.1	7.567	0.000	20.000
CD25SP04	52	1.563	1.120	163.1	7.567	0.000	20.000
CD25SP04A	9	0.697	0.499	163.1	7.567	0.000	20.000
CD25EL06	2	2.313	1.658	163.1	7.567	0.000	20.000
CD25SP05	52	1.563	1.120	163.1	7.567	0.000	20.000
CD25EL07	2	2.313	1.658	163.1	7.567	0.000	20.000
CD25SP06	52	1.563	1.120	163.1	7.567	0.000	20.000
CD25EL08	2	2.313	1.658	163.1	7.567	0.000	20.000
CD25SP07	52	1.563	1.120	163.1	7.567	0.000	20.000
CD25EL09	1	2.063	1.479	163.1	7.567	0.000	20.000
CD25EL10	4	2.313	1.658	163.1	7.567	0.000	20.000
CD27EL11	3	2.188	1.568	163.1	7.567	0.000	20.000
INLET NOZZLE E-4-1A	30	2.039	1.846	163.1	7.931	0.000	20.000

===>Grouped by Line: 031-20"-C-26, No Sorting.

OUTLET E-5-1B	31	2.744	2.213	163.1	7.418	0.000	20.000
CD26EL01	4	2.313	1.658	163.1	7.567	0.000	20.000
CD26SP01	54	2.001	1.434	163.1	7.567	0.000	20.000
CD26EL02	2	2.313	1.658	163.1	7.567	0.000	20.000
CD26SP02	52	1.563	1.120	163.1	7.567	0.000	20.000
CD26EL03	2	2.313	1.658	163.1	7.567	0.000	20.000
CD26SP03	52	1.563	1.120	163.1	7.567	0.000	20.000
CD26EL04	2	2.313	1.658	163.1	7.567	0.000	20.000
26SP04	52	1.563	1.120	163.1	7.567	0.000	20.000
6SP04A	9	0.697	0.499	163.1	7.567	0.000	20.000
6EL05	1	2.063	1.479	163.1	7.567	0.000	20.000
26EL06	4	2.313	1.658	163.1	7.567	0.000	20.000
CD26SP05	54	2.001	1.434	163.1	7.567	0.000	20.000
CD26EL07	2	2.313	1.658	163.1	7.567	0.000	20.000
CD26SP06	52	1.563	1.120	163.1	7.567	0.000	20.000
CD26SP06A	9	0.697	0.499	163.1	7.567	0.000	20.000
CD26EL08	1	2.063	1.479	163.1	7.567	0.000	20.000
CD26SP07	51	1.375	0.986	163.1	7.567	0.000	20.000
CD26EL09	2	2.313	1.658	163.1	7.567	0.000	20.000
CD26SP08	52	1.563	1.120	163.1	7.567	0.000	20.000
CD26EL10	1	2.063	1.479	163.1	7.567	0.000	20.000
CD26EL11	4	2.313	1.658	163.1	7.567	0.000	20.000
CD26EL12	3	2.188	1.568	163.1	7.567	0.000	20.000
INLET NOZZLE E-4-1B	30	2.039	1.846	163.1	7.931	0.000	20.000

===>Grouped by Line: 032-20"-C-27, No Sorting.

OUTLET NOZZLE E-4-1A	31	4.328	3.918	229.0	8.138	0.000	20.000
CD27EL01	3	3.715	2.663	229.0	7.765	0.000	20.000
CD27SP01	53	2.654	1.902	229.0	7.765	0.000	20.000
CD27EL02	4	3.927	2.815	229.0	7.765	0.000	20.000
CD27SP02	54	3.397	2.435	229.0	7.765	0.000	20.000
CD27EL03	2	3.927	2.815	229.0	7.765	0.000	20.000
CD27SP03	52	2.654	1.902	229.0	7.765	0.000	20.000
CD27SP03A	9	1.192	0.855	229.0	7.765	0.000	20.000
CD27EL04	2	3.927	2.815	229.0	7.765	0.000	20.000
CD27SP04	52	2.654	1.902	229.0	7.765	0.000	20.000
CD27EL05	1	3.503	2.511	229.0	7.765	0.000	20.000
CD27EL06	3	3.715	2.663	229.0	7.765	0.000	20.000
CD27SP05	53	2.654	1.902	229.0	7.765	0.000	20.000
CD27EL07	2	3.927	2.815	229.0	7.765	0.000	20.000
CD27SP06	52	2.654	1.902	229.0	7.765	0.000	20.000
CD27EL08	2	3.927	2.815	229.0	7.765	0.000	20.000
CD27EL09	4	3.927	2.815	229.0	7.765	0.000	20.000
CD27SP07	54	3.397	2.435	229.0	7.765	0.000	20.000
CD27EL10	2	3.927	2.815	229.0	7.765	0.000	20.000
CD27SP08	52	2.654	1.902	229.0	7.765	0.000	20.000
CD27EL11	1	3.503	2.511	229.0	7.765	0.000	20.000
CD27EL12	4	3.927	2.815	229.0	7.765	0.000	20.000
CD27EL13	3	3.715	2.663	229.0	7.765	0.000	20.000
INLET NOZZLE E-3-1A	30	3.595	3.043	229.0	7.765	0.000	20.000

Grouped by Line: 033-20"-C-28, No Sorting.

ET NOZZLE E-4-1B	31	4.328	3.918	229.0	8.138	0.000	20.000
CD28SP01	61	2.866	2.054	229.0	7.765	0.000	20.000
CD28EL01	4	3.927	2.815	229.0	7.765	0.000	20.000
CD28EL02	4	3.927	2.815	229.0	7.765	0.000	20.000
CD28SP02	54	3.397	2.435	229.0	7.765	0.000	20.000
CD28SP02A	9	1.192	0.855	229.0	7.765	0.000	20.000
CD28EL03	2	3.927	2.815	229.0	7.765	0.000	20.000

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CD28EL04	4	3.927	2.815	229.0	7.765	0.000	20.000
CD28SP03	54	3.397	2.435	229.0	7.765	0.000	20.000
CD28EL05	2	3.927	2.815	229.0	7.765	0.000	20.000
CD28SP04	52	2.654	1.902	229.0	7.765	0.000	20.000
CD28EL06	2	3.927	2.815	229.0	7.765	0.000	20.000
CD28SP05	52	2.654	1.902	229.0	7.765	0.000	20.000
CD28EL07	2	3.927	2.815	229.0	7.765	0.000	20.000
D28SP06	52	2.654	1.902	229.0	7.765	0.000	20.000
D28EL08	1	3.503	2.511	229.0	7.765	0.000	20.000
D28EL09	4	3.927	2.815	229.0	7.765	0.000	20.000
CD28EL10	3	3.715	2.663	229.0	7.765	0.000	20.000
INLET NOZZLE E-3-1B	30	3.595	3.043	229.0	7.765	0.000	20.000

===>Grouped by Line: 034-20"-C-29, No Sorting.

OUTLET NOZZLE E-3-1A	31	6.764	5.727	294.7	8.023	0.000	20.000
CD29EL01	4	5.912	4.238	294.7	8.023	0.000	20.000
CD29SP01	54	5.113	3.665	294.7	8.023	0.000	20.000
CD29VA01	22	7.890	5.655	294.7	7.865	0.000	20.000
CD29EL02	4	5.912	4.238	294.7	8.023	0.000	20.000
CD29SP02 US	54	5.113	3.665	294.7	8.023	0.000	20.000
CD29SP02 DS	54	5.113	3.665	294.7	8.023	0.000	20.000
CD29EL03	4	5.912	4.238	294.7	8.023	0.000	20.000
CD29SP03 US	54	5.113	3.665	294.7	8.023	0.000	20.000
CD29SP03 DS	54	5.113	3.665	294.7	8.023	0.000	20.000

===>Grouped by Line: 035-20"-C-30, No Sorting.

OUTLET NOZZLE E-3-1B	31	6.764	5.727	294.7	8.023	0.000	20.000
CD30EL01	4	5.912	4.238	294.7	8.023	0.000	20.000
CD30VA01	22	7.890	5.655	294.7	7.865	0.000	20.000
CD30EL02	4	5.912	4.238	294.7	8.023	0.000	20.000
CD30EL03	4	5.912	4.238	294.7	8.023	0.000	20.000
CD30SP01 US	54	5.113	3.665	294.7	8.023	0.000	20.000
CD30SP01 DS	54	5.113	3.665	294.7	8.023	0.000	20.000
CD30EL04	2	5.912	4.238	294.7	8.023	0.000	20.000
CD30SP02 US	52	3.995	2.863	294.7	8.023	0.000	20.000
CD30SP02 DS	52	3.995	2.863	294.7	8.023	0.000	20.000

===>Grouped by Line: 036-24"-C-30, No Sorting.

CD30RD01(L/E)	18	3.507	2.514	294.7	5.547	0.000	24.000
CD30RD01(S/E)	18	4.474	3.207	294.7	8.023	0.000	20.000
CD30TE01(U/S)	15	3.507	2.514	294.7	5.547	0.000	24.000
CD30TE01(D/S)	15	3.507	2.514	294.7	5.547	0.000	24.000
CD30SP03	65	2.338	1.676	294.7	5.547	0.000	24.000
CD30TE02(U/S)	14	6.429	4.609	294.7	5.547	0.000	24.000
CD30TE02(D/S)	14	10.292	7.377	294.7	11.146	0.000	24.000
CD30TE02(BR.)	14	5.593	4.009	294.7	8.023	0.000	20.000
CD30SP04 US	64	2.338	1.676	294.7	5.547	0.000	24.000
CD30SP04 DS	64	2.338	1.676	294.7	5.547	0.000	24.000
30TE03(U/S)	12	4.793	3.435	294.7	5.547	0.000	24.000
0TE03(D/S)	12	7.652	5.485	294.7	11.094	0.000	24.000
30TE03(BR.)	12	5.433	3.894	294.7	8.023	0.000	20.000
CD30SP05 US	64	3.733	2.676	294.7	11.094	0.000	24.000
CD30SP05 DS	64	3.733	2.676	294.7	11.094	0.000	24.000
CD30EL05	1	6.159	4.415	294.7	11.094	0.000	24.000
CD30SP06	51	4.106	2.943	294.7	11.094	0.000	24.000
CD30EL06	3	6.532	4.682	294.7	11.094	0.000	24.000
CD30SP07	53	4.666	3.345	294.7	11.094	0.000	24.000
CD30TE04(U/S)	14	10.265	7.358	294.7	11.094	0.000	24.000
CD30TE04(D/S)	14	6.429	4.609	294.7	5.547	0.000	24.000
CD30TE04(BR.)	14	5.593	4.009	294.7	8.023	0.000	20.000
CD30RD02(L/E)	7	4.091	2.933	294.7	5.547	0.000	24.000
CD30RD02(S/E)	7	5.113	3.665	294.7	8.023	0.000	20.000

===>Grouped by Line: 037-16"-C-30, No Sorting.

CD30EL13	4	7.861	5.634	294.7	12.619	0.000	16.000
INLET NOZZLE P-1-1A	30	8.498	6.091	294.7	12.619	0.000	16.000

===>Grouped by Line: 037-20"-C-30, No Sorting.

CD30SP08 US	57	3.995	2.863	294.7	8.023	0.000	20.000
CD30SP08 DS	57	3.995	2.863	294.7	8.023	0.000	20.000
CD30EL07	2	5.912	4.238	294.7	8.023	0.000	20.000
CD30VA02	22	7.890	5.655	294.7	7.865	0.000	20.000
CD30SP09	58	3.515	2.520	294.7	8.023	0.000	20.000
CD30EL08	3	5.593	4.009	294.7	8.023	0.000	20.000
CD30EL09	3	5.593	4.009	294.7	8.023	0.000	20.000
CD30SP10	53	3.995	2.863	294.7	8.023	0.000	20.000
CD30EL10	4	5.912	4.238	294.7	8.023	0.000	20.000
CD30SP11	54	5.113	3.665	294.7	8.023	0.000	20.000
CD30FE01	6	0.077	0.055	294.7	33.876	0.000	20.000
CD30FE01A	56	3.954	2.834	294.7	33.876	0.000	20.000
CD30EL11	3	5.593	4.009	294.7	8.023	0.000	20.000
CD30SP12	53	3.995	2.863	294.7	8.023	0.000	20.000
CD30EL12	4	5.912	4.238	294.7	8.023	0.000	20.000
CD30SP13	54	5.113	3.665	294.7	8.023	0.000	20.000
CD30RD03(L/E)	17	3.995	2.863	294.7	8.023	0.000	20.000
CD30RD03(S/E)	17	3.824	2.741	294.7	12.619	0.000	16.000

===>Grouped by Line: 038-16"-C-31, No Sorting.

EL06	4	7.861	5.634	294.7	12.619	0.000	16.000
T NOZZLE P-1-1B	30	8.498	6.091	294.7	12.619	0.000	16.000

===>Grouped by Line: 038-20"-C-31, No Sorting.

CD31VA01	22	7.890	5.655	294.7	7.865	0.000	20.000
CD31SP01	58	3.515	2.520	294.7	8.023	0.000	20.000
CD31EL01	3	5.593	4.009	294.7	8.023	0.000	20.000
CD31EL02	3	5.593	4.009	294.7	8.023	0.000	20.000

CD31SP02	53	3.995	2.863	294.7	8.023	0.000	20.000
CD31EL03	4	5.912	4.238	294.7	8.023	0.000	20.000
CD31SP03	54	5.113	3.665	294.7	8.023	0.000	20.000
CD31FE01	6	0.077	0.055	294.7	33.876	0.000	20.000
CD31FE01A	56	3.954	2.834	294.7	33.876	0.000	20.000
CD31EL04	3	5.593	4.009	294.7	8.023	0.000	20.000
CD31SP04	53	3.995	2.863	294.7	8.023	0.000	20.000
D31EL05	4	5.912	4.238	294.7	8.023	0.000	20.000
31SP05	54	5.113	3.665	294.7	8.023	0.000	20.000
D31RD01(L/E)	17	3.995	2.863	294.7	8.023	0.000	20.000
CD31RD01(S/E)	17	3.824	2.741	294.7	12.619	0.000	16.000

===>Grouped by Line: 039-16"-C-32, No Sorting.

CD32EL06	4	7.861	5.634	294.7	12.619	0.000	16.000
INLET NOZZLE P-1-1C	30	8.498	6.091	294.7	12.619	0.000	16.000

===>Grouped by Line: 039-20"-C-32, No Sorting.

CD32EL01	3	5.593	4.009	294.7	8.023	0.000	20.000
CD32EL02	3	5.593	4.009	294.7	8.023	0.000	20.000
CD32VA01	22	7.890	5.655	294.7	7.865	0.000	20.000
CD32EL03	4	5.912	4.238	294.7	8.023	0.000	20.000
CD32SP01	54	5.113	3.665	294.7	8.023	0.000	20.000
CD32FE01	6	0.077	0.055	294.7	33.876	0.000	20.000
CD32FE01A	56	3.954	2.834	294.7	33.876	0.000	20.000
CD32EL04	3	5.593	4.009	294.7	8.023	0.000	20.000
CD32SP02	53	3.995	2.863	294.7	8.023	0.000	20.000
CD32EL05	4	5.912	4.238	294.7	8.023	0.000	20.000
CD32SP03	54	5.113	3.665	294.7	8.023	0.000	20.000
CD32RD01(L/E)	17	3.995	2.863	294.7	8.023	0.000	20.000
CD32RD01(S/E)	17	3.824	2.741	294.7	12.619	0.000	16.000

Company: Vermont Yankee Nuclear Power Corporation
Plant: Vermont Yankee
Unit:
DB Name: VY

Report Date: 25-OCT-2001 Time: 09:33:54
Analysis Date: 07-SEP-2000 Time: 14:38:16
CHECWORKS FAC Version 1.0F (Build 52)

****
*** Wear Rate Analysis: Combined Rankings for Inspection ***
****

n Name: Condensate
nding Period: Cycle 20
Total Plant Operating Hours: 183618
WRA Data Option: Ignore NFA
Line Correction Factor: 0.358

Duty Factor (Global): 1.000
Exclude Measure Wear: No

Component Name	Geometry Code	Average Wear Rate (mils/year)	Component Predicted Time to Tcrit (hrs) Non-Inspected	Inspected
CD30EL06	3	6.532	147109	------
CD32EL06	4	7.861	31518	------
CD1CFE01	6	4.586	222055	------
CD30RD02(S/E)	7	5.113	222574	------
CD31VA01	22	7.890	11259	------
CD30SP01 DS	54	5.113	222574	------
CD30TE02(D/S)	14	10.292	-205	------
CD30TE04(U/S)	14	10.265	463	------
INLET NOZZLE P-1-1B	30	8.498	9941	------
CD3DTE02(D/S)	12	8.363	6117	------
INLET NOZZLE P-1-1C	30	8.498	9941	------
CD1CTE02(U/S)	12	8.363	6117	------
INLET NOZZLE P-1-1A	30	8.498	9941	------
CD3ETE01(D/S)	12	8.363	6117	------
CD1DTE02(U/S)	12	8.363	6117	------
CD3ETE02(D/S)	12	8.363	6117	------
CD3CTE01(D/S)	12	8.363	6117	------
CD1ATE02(U/S)	12	8.363	6117	------
CD1ETE02(U/S)	12	8.363	6117	------
CD3DTE01(D/S)	12	8.363	6117	------
CD3ATE01(D/S)	12	8.363	6117	------
CD3BTE01(D/S)	12	8.363	6117	------
CD3ATE02(D/S)	12	8.363	6117	------
CD1BTE02(D/S)	12	8.363	6117	------
CD3CTE02(D/S)	12	8.363	6117	------
CD3BTE02(D/S)	12	8.363	6117	------
CD29VA01	22	7.890	11259	------
CD30VA02	22	7.890	11259	------
CD30VA01	22	7.890	11259	------
CD32VA01	22	7.890	11259	------
CD31EL06	4	7.861	31518	------
CD30EL13	4	7.861	31518	------
CD30TE03(D/S)	12	7.652	674657	------
LET INTER COND A	31	3.965	126051	------
LET NOZZLE E-3-1A	31	6.764	238233	------
LET INTER COND B	31	3.965	126051	------
OUTLET NOZZLE E-3-1B	31	6.764	238233	------
CD30TE04(D/S)	14	6.429	153569	------
CD30TE02(U/S)	14	6.429	153569	------
CD31FE01A	56	3.954	157647	------
CD30EL05	1	6.159	171551	------
CD32FE01A	56	3.954	157647	------
CD32EL05	4	5.912	157879	------
CD31EL03	4	5.912	157879	------
CD30EL12	4	5.912	------	406728
CD30EL07	2	5.912	157879	------
CD29EL03	4	5.912	------	477011
CD30EL03	4	5.912	157879	------
CD31EL05	4	5.912	157879	------
CD30EL01	4	5.912	157879	------
CD30EL02	4	5.912	157879	------
CD30EL04	2	5.912	157879	------
CD29EL01	4	5.912	157879	------
CD30EL10	4	5.912	157879	------
CD32EL03	4	5.912	157879	------
CD29EL02	4	5.912	188451	------
CD30TE04(BR.)	14	5.593	181539	------
CD30EL08	3	5.593	181539	------
CD32EL01	3	5.593	181539	------
CD31EL04	3	5.593	181539	------
CD30EL11	3	5.593	------	566937
CD30TE02(BR.)	14	5.593	181539	------
CD32EL02	3	5.593	181539	------
CD31EL01	3	5.593	181539	------
CD30EL09	3	5.593	181539	------
CD31EL02	3	5.593	181539	------
CD32EL04	3	5.593	181539	------
CD30TE03(BR.)	12	5.433	194413	------
INLET INTER COND B	30	3.172	221606	------
INLET INTER COND A	30	3.172	221606	------
CD29SP03 DS	54	5.113	------	338092
CD30SP13	54	5.113	222574	------
CD1AFE01	6	4.586	222055	------
CD1EFE01	6	4.586	222055	------
CD30SP01 US	54	5.113	222574	------
CD1CFE01	6	4.586	222055	------
FE01	6	4.586	222055	------
P03 US	54	5.113	------	342872
SP03	54	5.113	222574	------
CD31SP05	54	5.113	222574	------
CD30SP11	54	5.113	222574	------
CD29SP02 DS	54	5.113	222574	------
CD32SP01	54	5.113	222574	------
CD29SP01	54	5.113	222574	------
CD31SP03	54	5.113	222574	------

CD29SP02 US	54	5.113	------	342872
CD02TE01(U/S)	12	5.034	287326	------
CD30TE03(U/S)	12	4.793	1043910	------
CD30SP07	53	4.666	308421	------
CD3BVA01	22	3.969	244757	------
CD3DVA01	22	3.969	244757	------
CD3DVA02	22	3.969	244757	------
D3AVA02	22	3.969	244757	------
030RD01(S/E)	18	4.474	290966	------
CD3AVA01	22	3.969	244757	------
OUTLET NOZZLE E-4-1A	31	4.328	884039	------
CD3CVA02	22	3.969	244757	------
OUTLET NOZZLE E-4-1B	31	4.328	884039	------
CD3EVA02	22	3.969	244757	------
CD30SP06	51	4.106	385410	------
CD3CVA01	22	3.969	244757	------
CD30RD02(L/E)	7	4.091	387705	------
CD3BVA02	22	3.969	244757	------
CD30SP10	53	3.995	356622	------
CD3EVA01	22	3.969	244757	------
CD31SP04	53	3.995	356622	------
CD10EL01	2	2.934	260344	------
CD31SP02	53	3.995	356622	------
CD11EL01	2	2.934	260344	------
CD30SP02 US	52	3.995	356622	------
CD30SP12	53	3.995	------	443076
CD08TE03(BR.)	14	2.776	289859	------
CD32SP02	53	3.995	356622	------
CD30SP08 DS	57	3.995	356622	------
CD08TE05(BR.)	12	2.696	305919	------
CD30SP02 DS	52	3.995	356622	------
CD30RD03(L/E)	17	3.995	356622	------
CD30RD03(S/E)	17	3.824	335186	------
CD30SP08 US	57	3.995	356622	------
CD32RD01(S/E)	17	3.824	335186	------
CD31RD01(L/E)	17	3.995	356622	------
CD31RD01(S/E)	17	3.824	335186	------
CD32RD01(L/E)	17	3.995	356622	------
CD28EL06	2	3.927	367129	------
CD30FE01A	56	3.954	------	1099613
CD27EL07	2	3.927	367129	------
CD28EL03	2	3.927	367129	------
CD28EL09	4	3.927	367129	------
CD27EL10	2	3.927	367129	------
CD28EL05	2	3.927	367129	------
CD27EL12	4	3.927	367129	------
CD28EL07	2	3.927	367129	------
CD27EL03	2	3.927	367129	------
CD28EL04	4	3.927	367129	------
CD27EL04	2	3.927	367129	------
D27EL08	2	3.927	367129	------
27EL09	4	3.927	367129	------
28EL02	4	3.927	367129	------
28EL01	4	3.927	367129	------
CD27EL02	4	3.927	367129	------
OUTLET E-5-1B	31	2.744	392127	------
OUTLET E-5-1A	31	2.744	392127	------
CD27EL13	3	3.715	402746	------
CD30SP05 US	64	3.733	------	508382
CD28EL10	3	3.715	402746	------
CD30SP05 DS	64	3.733	449568	------
CD27EL01	3	3.715	402746	------
CD27EL06	3	3.715	402746	------
CD1EVA01	22	2.981	426110	------
CD1DVA02	23	2.981	426110	------
INLET NOZZLE E-3-1A	30	3.595	508387	------
CD1CVA02	23	2.981	426110	------
INLET NOZZLE E-3-1B	30	3.595	508387	------
CD1DVA01	23	2.981	426110	------
CD30SP09	58	3.515	440184	------
CD1AVA01	22	2.981	426110	------
CD31SP01	58	3.515	440184	------
CD1AVA02	23	2.981	426110	------
CD30RD01(L/E)	18	3.507	495018	------
CD1CVA01	23	2.981	426110	------
CD30TE01(D/S)	15	3.507	495018	------
CD1BVA02	23	2.981	426110	------
CD30TE01(U/S)	15	3.507	495018	------
CD1EVA02	23	2.981	426110	------
CD28EL08	1	3.503	442680	------
CD1BVA01	23	2.981	426110	------
CD27EL05	1	3.503	442680	------
CD27EL11	1	3.503	442680	------
CD28SP02	54	3.397	464519	------
CD15TE03(BR.)	12	2.714	441859	------
CD27SP07	54	3.397	464519	------
CD15TE01(BR.)	12	2.714	441859	------
CD28SP03	54	3.397	464519	------
CD27SP02	54	3.397	464519	------
CD18TE01(U/S)	12	3.002	621436	------
CD08TE05(D/S)	12	3.002	621436	------
CD14SP01	61	2.141	451645	------
CD15TE01(U/S)	12	3.002	621436	------
CD13SP01	61	2.141	451645	------
1TE04(D/S)	12	3.002	858548	------
EL03	4	2.937	464348	------
EL03	4	2.937	464348	------
CD3DEL03	4	2.937	464348	------
CD3EEL03	4	2.937	464348	------
CD3BEL03	4	2.937	464348	------
CD3EEL04	2	2.937	464348	------
CD10SP02	52	1.983	508270	------
CD11SP02	52	1.983	508270	------

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CD08TE03(U/S)	14	2.894	654105	------
OUTLET DEMIN E	31	2.376	540893	------
CD18TE03(U/S)	14	2.887	656484	------
OUTLET DEMIN D	31	2.376	540893	------
CD28SP01	61	2.866	597980	------
OUTLET DEMIN B	31	2.376	540893	------
OUTLET DEMIN C	31	2.376	540893	------
TLET DEMIN A	31	2.376	540893	------
03TE02(D/S)	12	2.719	749976	------
D3ARD02(S/E)	7	2.540	576929	------
CD3DRD02(S/E)	7	2.540	576929	------
CD3BRD02(S/E)	7	2.540	576929	------
CD3CRD02(S/E)	7	2.540	576929	------
CD28SP06	52	2.654	666311	------
CD3ERD02(S/E)	7	2.540	576929	------
CD27SP03	52	2.654	666311	------
CD27SP01	53	2.654	666311	------
CD27SP06	52	2.654	666311	------
CD28SP05	52	2.654	666311	------
CD28SP04	52	2.654	666311	------
CD3BTE01(U/S)	12	2.444	641156	------
CD27SP05	53	2.654	666311	------
CD3BTE02(U/S)	12	2.444	641156	------
CD27SP04	52	2.654	666311	------
CD1ETE02(D/S)	12	2.444	641156	------
CD27SP08	52	2.654	666311	------
CD3CTE01(U/S)	12	2.444	641156	------
OUTLET NOZZLE E-24-1A	31	2.631	745132	------
CD3CTE02(U/S)	12	2.444	641156	------
CD03TE01(D/S)	12	2.564	679700	------
CD3ETE02(U/S)	12	2.444	641156	------
CD1BTE02(U/S)	12	2.444	641156	------
CD3ATE01(U/S)	12	2.444	641156	------
CD1DTE02(D/S)	12	2.444	641156	------
CD1CTE02(D/S)	12	2.444	641156	------
CD3ETE01(U/S)	12	2.444	641156	------
CD3ATE02(U/S)	12	2.444	641156	------
CD3DTE02(U/S)	12	2.444	641156	------
CD1ATE02(D/S)	12	2.444	641156	------
CD3DTE01(U/S)	12	2.444	641156	------
CD19VA01	22	2.219	694879	------
CD18VA01	22	2.219	694879	------
CD3CRD03(S/E)	18	2.222	695943	------
CD30SP04 US	64	2.338	870611	------
CD3DRD03(S/E)	18	2.222	695943	------
CD30SP03	65	2.338	870611	------
CD3BRD03(S/E)	18	2.222	695943	------
CD30SP04 DS	64	2.338	------	987779
CD3ERD03(S/E)	18	2.222	695943	------
CD26EL03	2	2.313	802097	------
D3ARD03(S/E)	18	2.222	695943	------
6EL11	4	2.313	802097	------
1SP01	62	1.586	699379	------
25EL02	4	2.313	802097	------
CD10SP01	62	1.586	699379	------
CD25EL07	2	2.313	802097	------
INLET E-5-1A	30	1.578	703227	------
CD26EL09	2	2.313	802097	------
INLET E-5-1B	30	1.578	703227	------
CD25EL06	2	2.313	802097	------
CD3AEL04	2	2.206	738164	------
CD26EL07	2	2.313	802097	------
CD3EEL06	2	2.206	738164	------
CD26EL06	4	2.313	802097	------
CD3EEL05	2	2.206	738164	------
CD25EL08	2	2.313	802097	------
CD1EEL01	2	2.206	738164	------
CD26EL02	2	2.313	802097	------
CD1BEL02	2	2.206	738164	------
CD26EL01	4	2.313	802097	------
CD1BEL01	2	2.206	738164	------
CD25EL05	2	2.313	802097	------
CD1DEL01	2	2.206	738164	------
CD26EL04	2	2.313	802097	------
CD1EEL04	2	2.206	738164	------
CD25EL10	4	2.313	802097	------
CD3BEL04	2	2.206	738164	------
CD25EL04	2	2.313	802097	------
CD1AEL05	2	2.206	738164	------
CD25EL03	2	2.313	802097	------
CD1CEL05	2	2.206	738164	------
CD1BEL04	2	2.206	738164	------
CD1EEL02	4	2.206	738164	------
CD1AEL04	2	2.206	738164	------
CD1EEL03	2	2.206	738164	------
CD1DEL04	2	2.206	738164	------
CD1AEL03	4	2.206	738164	------
CDDCEL04	2	2.206	738164	------
CD1DEL02	2	2.206	738164	------
CD1BEL03	2	2.206	738164	------
CD1AEL01	2	2.206	738164	------
CD1CEL04	4	2.206	738164	------
CD1CEL02	4	2.206	738164	------
CD1CEL01	2	2.206	738164	------
EL04	2	2.206	738164	------
EL02	2	2.206	738164	------
EL03	2	2.206	738164	------
CD1DEL04	4	2.206	738164	------
INLET DEMIN D	30	1.901	740158	------
INLET DEMIN A	30	1.901	740158	------
INLET DEMIN B	30	1.901	740158	------
INLET DEMIN E	30	1.901	740158	------
INLET DEMIN C	30	1.901	740158	------

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CD01TE02(BR.)	14	2.087	794982	------
CD3DRD02(L/E)	7	2.087	794983	------
CD3EEL02	3	2.087	794983	------
CD01TE03(BR.)	14	2.087	794983	------
CD3CEL02	3	2.087	794983	------
CD3CRD02(L/E)	7	2.087	794983	------
CD3DEL02	3	2.087	794983	------
CD3AEL02	3	2.087	794983	------
CD3ERD02(L/E)	7	2.087	794983	------
CD3BEL02	3	2.087	794983	------
CD3ARD02(L/E)	7	2.087	794983	------
CD26EL12	3	2.188	862569	------
CD01TE02(BR.)	14	2.087	794983	------
CD25EL01	3	2.188	862569	------
CD3BRD02(L/E)	7	2.087	794983	------
CD27EL11	3	2.188	862569	------
CD03TE02(U/S)	12	2.168	1005936	------
CD03TE04(D/S)	12	2.157	1294846	------
CD08TE02(D/S)	12	2.157	964930	------
CD15TE03(D/S)	12	2.157	964930	------
CD18TE01(D/S)	12	2.152	968122	------
CD01TE01(BR.)	10	2.105	1333622	------
INLET NOZZLE E-24-1A	30	2.105	995457	------
CD3ESP02	52	1.984	810196	------
CD1AEL06	4	1.758	820941	------
CD3BEL01	4	1.758	820941	------
CD3DEL01	4	1.758	820941	------
CD3CEL01	4	1.758	820941	------
CD3AEL01	4	1.758	820941	------
CD1DEL05	4	1.758	820941	------
CD03TE01(U/S)	12	2.082	1651690	------
CD3EEL01	4	1.758	820941	------
CD01TE02(U/S)	14	2.080	1352423	------
CD1BEL05	4	1.758	820941	------
CD26EL08	1	2.063	930371	------
CD1EEL06	4	1.758	820941	------
CD26EL10	1	2.063	930371	------
CD1CEL05	4	1.758	820941	------
CD26EL05	1	2.063	930371	------
CD1CTE02(BR.)	12	2.027	825899	------
CD25EL09	1	2.063	930371	------
CD3DTE02(BR.)	12	2.027	825899	------
INLET NOZZLE E-4-1B	30	2.039	1933671	------
CD3CTE01(BR.)	12	2.027	825899	------
INLET NOZZLE E-4-1A	30	2.039	1933671	------
CD3ATE01(BR.)	12	2.027	825899	------
CD03TE02(BR.)	12	2.027	825899	------
CD3BTE01(BR.)	12	2.027	825899	------
CD3ETE01(BR.)	12	2.027	825899	------
CD3CTE02(BR.)	12	2.027	825899	------
CD1BTE02(BR.)	12	2.027	825899	------
CD03TE03(BR.)	12	2.027	825899	------
CD01TE04(BR.)	12	2.027	825899	------
CD02TE01(BR.)	12	2.027	825899	------
CD3BTE02(BR.)	12	2.027	825899	------
CD3ATE02(BR.)	12	2.027	825899	------
CD3DTE01(BR.)	12	2.027	825899	------
CD1DTE02(BR.)	12	2.027	825899	------
CD1ATE02(BR.)	12	2.027	825899	------
CD03TE01(BR.)	12	2.027	825899	------
CD3ETE02(BR.)	12	2.027	825899	------
CD1ETE02(BR.)	12	2.027	825899	------
CD3AEL05	1	1.967	858690	------
CD3CEL05	1	1.967	858690	------
CD3AEL06	1	1.967	858690	------
CD26SP05	54	2.001	967450	------
CD3DEL05	1	1.967	858690	------
CD26SP01	54	2.001	967450	------
CD3BEL05	1	1.967	858690	------
CD25SP01	54	2.001	967450	------
CD08VA01	25	1.968	1033671	------
CD07VA01	25	1.968	879123	------
CD06VA01	25	1.968	879123	------
OUTLET NOZZLE P-2-1C	31	1.968	1033671	------
CD3CRD01(L/E)	7	1.663	882490	------
OUTLET NOZZLE P-2-1B	31	1.968	1033671	------
CD3DRD01(L/E)	7	1.663	882490	------
OUTLET NOZZLE P-2-1A	31	1.968	1033671	------
CD3BRD01(L/E)	7	1.663	882490	------
CD3ARD01(L/E)	7	1.663	882490	------
CD3ERD01(L/E)	7	1.663	882490	------
CD1ESP04	54	1.908	893529	------
CD15EL03	2	1.947	1096940	------
CD1ASP05	54	1.908	893529	------
CD15EL01	2	1.947	1096940	------
CD3DRD01(S/E)	7	1.908	893529	------
CD08EL04	2	1.947	1096940	------
CD3ARD01(S/E)	7	1.908	893529	------
CD08EL05	4	1.947	1096940	------
CD1CSP05	54	1.908	893529	------
CD15EL04	4	1.947	1096940	------
CD3CRD01(S/E)	7	1.908	893529	------
CD16EL03	2	1.947	1096940	------
CD3ERD01(S/E)	7	1.908	893529	------
[illegible]EL01	4	1.947	1096940	------
[illegible]RD01(S/E)	7	1.908	893529	------
[illegible]EL02	2	1.947	1096940	------
CD3BRD01(S/E)	7	1.908	893529	------
CD15EL02	4	1.947	1096940	------
CD1DSP05	54	1.908	893529	------
CD18EL05	2	1.942	1100477	------
CD06VA02	22	1.941	894688	------
CD18EL06	4	1.942	1100477	------

CD07VA02	22	1.941	894688	------
CD08VA02	22	1.941	894688	------
CD1DTE01(U/S)	15	1.789	970175	------
CD1ATE01(D/S)	15	1.789	970175	------
CD03TE04(U/S)	12	1.904	1500900	------
CD3CRD03(L/E)	18	1.789	970175	------
CD03TE03(D/S)	12	1.904	1500900	------
D1ETE01(D/S)	15	1.789	970175	------
D3ERD03(L/E)	18	1.789	970175	------
D3ARD03(L/E)	18	1.789	970175	------
CD1BTE01(D/S)	15	1.789	970175	------
CD1ATE01(U/S)	15	1.789	970175	------
CD1ETE01(U/S)	15	1.789	970175	------
CD01TE01(D/S)	10	1.891	1513282	------
CD3DRD03(L/E)	18	1.789	970175	------
CD03RD03(S/E)	18	1.857	1217114	------
CD1CTE01(D/S)	15	1.789	970175	------
CD18EL01	3	1.837	1178000	------
CD1DTE01(D/S)	15	1.789	970175	------
CD18EL02	3	1.837	1178000	------
CD3BRD03(L/E)	18	1.789	970175	------
CD1CTE01(U/S)	15	1.789	970175	------
CD1BTE01(U/S)	15	1.789	970175	------
CD1BRD01(S/E)	18	1.669	1057771	------
CD1ARD01(S/E)	18	1.669	1057771	------
CD1DRD01(S/E)	18	1.669	1057771	------
CD1CRD01(S/E)	18	1.669	1057771	------
CD03RD01(S/E)	18	1.669	1057771	------
CD18TE01(BR.)	12	1.784	1220182	------
CD1ERD01(S/E)	18	1.669	1057771	------
CD08TE03(D/S)	14	1.778	1225245	------
CD1DRD01(L/E)	18	1.426	1072266	------
CD18TE03(D/S)	14	1.771	1231207	------
CD1BRD01(L/E)	18	1.426	1072266	------
CD1ERD01(L/E)	18	1.426	1072266	------
CD1CRD01(L/E)	18	1.426	1072266	------
CD1ARD01(L/E)	18	1.426	1072266	------
CD03RD02(S/E)	18	1.751	1114211	------
CD18EL04	1	1.732	1264919	------
CD18EL03	1	1.732	1264919	------
CD03EL01	2	1.719	1690853	------
CD03EL02	4	1.719	1690853	------
CD08TE02(U/S)	12	1.698	1295532	------
CD08TE01(D/S)	12	1.698	1295532	------
CD15SP02	54	1.684	1308364	------
CD08SP07	54	1.684	1308364	------
CD03TE01(U/S)	12	1.660	1189686	------
CD16SP01	54	1.684	1308364	------
CD1ASP07	52	1.490	1215444	------
CD15SP03	54	1.684	1308364	------
D3CSP01	53	1.490	1215444	------
BSP02	68	1.490	1215444	------
DSP02	68	1.490	1215444	------
1ASP03	52	1.490	1215444	------
CD3CSP02	68	1.490	1215444	------
CD1ASP01	57	1.490	1215444	------
CD1ESP06	52	1.490	1215444	------
CD3DSP03	52	1.490	1215444	------
CD3ASP01	53	1.490	1215444	------
CD1DSP06	52	1.490	1215444	------
CD3ASP02	68	1.490	1215444	------
CD1DSP02	52	1.490	1215444	------
CD19EL01	2	1.662	1216300	------
CD1CSP04	52	1.490	1215444	------
CD18EL08	2	1.662	1216300	------
CD1BSP06	52	1.490	1215444	------
CD1CSP06	52	1.490	1215444	------
CD03RD02(L/E)	18	1.586	1468707	------
CD3BSP03	52	1.490	1215444	------
CD3ESP01	53	1.490	1215444	------
CD1DSP04	52	1.490	1215444	------
CD3DSP01	53	1.490	1215444	------
CD1ESP05	52	1.490	1215444	------
CD18TE02(D/S)	15	1.574	1417028	------
CD3CSP03	52	1.490	1215444	------
CD18TE02(U/S)	15	1.574	1417028	------
CD3ESP04	52	1.490	1215444	------
CD19EL02	3	1.573	1300442	------
CD1ASP06	52	1.490	1215444	------
CD18EL09	3	1.573	1300442	------
CD1ESP02	52	1.490	1215444	------
CD18TE03(BR.)	14	1.573	1300442	------
CD1BSP02	52	1.490	1215444	------
CD25SP04	52	1.563	1310064	------
CD3BSP01	53	1.490	1215444	------
CD26SP02	52	1.563	1310064	------
CD3ASP03	52	1.490	1215444	------
CD26SP08	52	1.563	1310064	------
CD1ASP02	52	1.490	1215444	------
CD25SP05	52	1.563	1310064	------
CD1BSP05	52	1.490	1215444	------
CD25SP07	52	1.563	1310064	------
CD3ESP03	68	1.490	1215444	------
CD25SP03	52	1.563	1310064	------
SP02	52	1.490	1215444	------
SP04	52	1.563	1310064	------
SP06	52	1.563	1310064	------
CD25SP02	52	1.563	1310064	------
CD26SP03	52	1.563	1310064	------
CD26SP06	52	1.563	1310064	------
CD03TE03(U/S)	12	1.551	1901698	------
CD3ESP05	58	1.312	1416118	------
CD3ASP04	51	1.312	1416118	------

CD3DSP05	58	1.312	1416118	------
CD3CSP04	51	1.312	1416118	------
CD1CSP07	58	1.312	1416118	------
CD3CSP05	58	1.312	1416118	------
CD3DSP04	51	1.312	1416118	------
CD03SP03	54	1.486	1995075	------
CD3BSP04	51	1.312	1416118	------
CD01TE03(U/S)	14	1.468	2023566	------
CD1BSP07	58	1.312	1416118	------
CD01TE02(U/S)	14	1.468	2023566	------
CD3BSP05	58	1.312	1416118	------
CD01TE02(D/S)	14	1.468	2023566	------
CD3ASP05	51	1.312	1416118	------
CD08EL03	2	1.456	1486858	------
CD3ASP07	58	1.312	1416118	------
CD06EL01	4	1.456	1486858	------
CD1DSP07	58	1.312	1416118	------
CD08EL01	4	1.456	1486858	------
CD1ESP07	58	1.312	1416118	------
CD07EL01	4	1.456	1486858	------
CD1BSP04	58	1.312	1416118	------
CD18RD01(S/E)	7	1.438	1446374	------
CD1ASP08	58	1.312	1416118	------
CD03TE05A(U/S)	14	1.415	2465666	------
CD06EL02	3	1.377	1586459	------
CD07EL02	3	1.377	1586459	------
CD08EL02	3	1.377	1586459	------
CD26SP07	51	1.375	1523641	------
CD08FE01A	52	1.358	4213301	------
CD08TE02(BR.)	12	1.338	1640653	------
CD08TE01(BR.)	12	1.338	1640654	------
CD1CSP01	64	1.192	1583347	------
CD01TE01(U/S)	10	1.334	2251540	------
CD1ASP09	65	1.192	1583347	------
CD03SP02	62	1.326	1806427	------
CD1CSP09	62	1.192	1583347	------
CD15TE03(U/S)	12	1.326	1731093	------
CD1ASP10	62	1.192	1583347	------
CD08TE05(U/S)	12	1.326	1731093	------
CD1DSP08	65	1.192	1583347	------
CD15TE01(D/S)	12	1.326	1731093	------
CD1ESP09	62	1.192	1583347	------
CD16SP02	52	1.315	1746433	------
CD1BSP09	62	1.192	1583347	------
CD08SP06	52	1.315	1746433	------
CD1ESP08	65	1.192	1583347	------
CD08FE01B	52	1.315	1746433	------
CD1DSP09	62	1.192	1583347	------
CD16SP03	52	1.315	1746433	------
CD1CSP08	65	1.192	1583347	------
CD18SP05	52	1.312	1751667	------
CD1ESP01	62	1.192	1583347	------
CD18SP02	53	1.312	1751667	------
CD1BSP01	64	1.192	1583347	------
CD1DSP01	64	1.192	1583347	------
CD1BSP08	65	1.192	1583347	------
CD03SP01	62	1.251	1662362	------
CD03RD01(L/E)	18	1.215	1719832	------
CD02TE01(D/S)	12	1.295	1857008	------
CD01VA01	23	1.232	3132508	------
CD02VA01	23	1.232	3108961	------
CD02VA02	23	1.232	3108961	------
CD01VA02	23	1.232	3108961	------
CD28SP02A	9	1.192	1797159	------
CD27SP03A	9	1.192	1797159	------
NORTH OUTLET COND B	31	1.203	3215910	------
SOUTH OUTLET COND A	31	1.203	3215910	------
NORTH OUTLET COND A	31	1.203	3215910	------
SOUTH OUTLET COND B	31	1.203	3215910	------
CD18SP08	52	1.123	1923085	------
CD18SP06	57	1.123	1923085	------
CD18EL07	4	1.192	1954795	------
CD18SP04	51	1.155	2025463	------
CD18SP03	51	1.155	2025463	------
CD08RD01(S/E)	18	1.102	2047116	------
CD18RD01(L/E)	7	1.127	2081135	------
CD1ESP04	56	0.917	2134950	------
CD1BSP03	56	0.917	2134950	------
CD1DSP03	56	0.917	2134950	------
CD1CSP03	56	0.917	2134950	------
CD1ASP04	56	0.917	2134950	------
CD19SP02	58	0.988	2220256	------
CD18SP07	58	0.988	2220256	------
CD03RD03(L/E)	18	1.135	2692916	------
CD15SP01	62	1.052	2247083	------
CD08SP05	62	1.052	2247083	------
CD18SP01	62	1.050	2253626	------
CD03VA01	22	1.106	3413786	------
CD03TE04(BR.)	12	1.074	2292071	------
CD05VA01	22	1.106	3413786	------
CD08SP02	53	0.984	2323510	------
CD04VA01	22	1.106	3413786	------
CD07SP02	53	0.984	2323510	------
CD08SP03	52	0.984	2323510	------
[illegible]SP02	53	0.984	2323510	------
[illegible]TE04(D/S)	12	1.055	3395073	------
[illegible]FE01C	56	0.989	2408237	------
CD03SP04	62	1.052	2923412	------
CD08TE04(D/S)	15	0.970	2459756	------
CD15TE02(D/S)	15	0.970	2459756	------
CD15TE02(U/S)	15	0.970	2459756	------
CD08TE04(U/S)	15	0.970	2459756	------
CD03TE05B(U/S)	14	0.998	3601280	------

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CD03TE05A(D/S)	14	0.998	3601280	------
CD19SP01	62	0.899	2467899	------
CD08TE01(U/S)	12	0.935	2560227	------
CD08SP01	58	0.866	2675284	------
CD07SP01	58	0.866	2675284	------
CD06SP01	58	0.866	2675284	------
CD08SP04	62	0.828	2924817	------
CD25SP04A	9	0.697	3257244	------
CD26SP06A	9	0.697	3257244	------
CD25SP01A	9	0.697	3257244	------
INLET P-2-1A	30	0.867	4464599	------
CD26SP04A	9	0.697	3257244	------
INLET P-2-1B	30	0.867	4464599	------
INLET P-2-1C	30	0.867	4464599	------
CD08RD01(L/E)	18	0.684	3592905	------
CD01EL03	3	0.842	4703944	------
CD02EL01	3	0.842	4703944	------
CD01EL01	3	0.842	4703944	------
CD08SP09	64	0.647	3817718	------
CD02EL02	3	0.842	4703944	------
CD08SP08	64	0.647	3817718	------
CD01EL04	3	0.842	4703944	------
CD18SP04A	9	0.643	3841197	------
CD02EL04	3	0.842	4703944	------
CD01TE02(D/S)	14	0.809	3881637	------
CD01EL02	3	0.842	4703944	------
CD01TE03(D/S)	14	0.809	3881637	------
CD02EL03	3	0.842	4703944	------
CD01SP01	60	0.801	3923345	------
CD02SP06	62	0.632	4075843	------
CD03TE04(U/S)	12	0.823	4419975	------
CD03TE03(D/S)	12	0.823	4419975	------
CD03TE02(D/S)	12	0.822	4576157	------
CD03TE01(BR.)	12	0.818	4849829	------
CD03TE02(BR.)	12	0.818	4849829	------
CD03TE04(BR.)	12	0.818	4849829	------
CD03TE03(BR.)	12	0.818	4849829	------
CD03TE05B(BR.)	14	0.759	5138993	------
CD05EL01	3	0.759	5138994	------
CD03TE05A(BR.)	14	0.759	5138994	------
CD04EL01	3	0.759	5138994	------
CD03RD02(S/E)	7	0.694	5644791	------
CD01TE04(U/S)	12	0.603	5294547	------
CD03TE03(U/S)	12	0.581	6370975	------
CD01SP02	64	0.534	6013101	------
CD03RD01(S/E)	18	0.561	6819736	------
CD01RD01(L/E)	7	0.515	6246098	------
CD03TE05B(D/S)	14	0.550	6745250	------
CD05SP02	53	0.542	7297059	------
CD04SP02	53	0.542	7297059	------
CD01SP02	58	0.529	7634918	------
CD02SP01	58	0.529	7634918	------
CD03SP05	62	0.514	7338239	------
CD01SP01	58	0.529	7634918	------
CD02SP02	58	0.529	7634918	------
CD03SP04	58	0.477	8327045	------
CD03TE01(D/S)	12	0.453	8514687	------
CD03TE02(U/S)	12	0.453	8514687	------
CD04SP01	64	0.434	9185367	------
CD03RD01(L/E)	18	0.425	8800926	------
CD05SP01	64	0.434	9185367	------
CD03SP01	62	0.401	9767008	------
CD03RD02(L/E)	7	0.350	10746060	------
CD01SP03	64	0.294	11122798	------
CD03SP03	64	0.200	19279046	------
CD08FE01	6	0.159	13747229	------
CD31FE01	6	0.077	27347272	------
CD30FE01	6	0.077	27347272	------
CD32FE01	6	0.077	27347272	------
OUTLET AFTER COND	31	0.037	41089344	------
CD12VA01	22	0.037	35213260	------
CD02VA01	23	0.024	102962024	------
CD12SP01	61	0.020	76309600	------
CD12SP02	58	0.016	93710912	------
CD02EL01	2	0.018	152486464	------
CD02SP02	52	0.012	99000000	------
CD02EL03	2	0.018	152486464	------
CD02SP01	57	0.012	99000000	------
CD02EL04	2	0.018	152486464	------
CD09VA01	22	0.005	99000000	------
CD02EL02	2	0.018	152486464	------
CD02SP03	52	0.012	99000000	------
CD08CP01	62	0.005	99000000	------
CD02RD02(S/E)	7	0.015	176352512	------
CD02SP04	52	0.012	99000000	------
CD09EL01	2	0.004	99000000	------
CD02SP05	58	0.011	99000000	------
INLET AFTER COND	30	0.004	99000000	------
CD03CP01	62	0.003	99000000	------
CD09SP02	58	0.002	99000000	------
CD02RD02(L/E)	7	0.008	99000000	------
CD15CP01	62	0.005	99000000	------
CD09SP03	52	0.003	99000000	------
CD09SP01	65	0.002	99000000	------

Company: V : Yankee Nuclear Power Corporation Report Date: 25-OCT-2001 Tim 34:22
Plant: Veri Yankee Analysis Date: 07-SEP-2000 Time 4:38:16
Unit: CHECWORKS FAC Version 1.0F (Build 52)
DB Name: VY

****
*** Wear Rate Analysis: Combined Summary Report ***
****

Run Name: Condensate
Ending Period: Cycle 20
Total Plant Operating Hours: 183618 Duty Factor (Global): 1.000
WRA Data Option: Ignore NFA Exclude Measure Wear: No
Line Correction Factor: 0.358

Component Name	Geom. Code	Average Wear Rate (mils/year)	Current Wear Rate (mils/year)	Thickness (in) Init.	Prd.[1]	Thoop	Tcrit	Component Predict[1] Time to Tcrit (hrs) Non-Insp.	Insp.	Total Lifetime Wear (mils) Prd.[2]	Meas.	In-Service Cmp. Wear (mils) Prd.[2]	Meas.	In-Service Cmp. Tmeas,Method,Time (in)[4]	[3]	(hrs)[4]	Time(hrs) Last Inspected
===>Grouped by Line: 024-20"-C-01, No Sorting.																	
NORTH OUTLET COND A	31	1.203	0.862	0.375	0.350	0.033	0.033	3215910	------	---	---	---	---	0.375	--	0	-----
CD01EL01	3	0.842	0.603	0.375	0.357	0.033	0.033	4703944	------	---	---	---	---	0.375	--	0	-----
CD01EL02	3	0.842	0.603	0.375	0.357	0.033	0.033	4703944	------	---	---	---	---	0.375	--	0	-----
CD01VA01	23	1.232	0.883	0.375	0.349	0.033	0.033	3132508	------	---	---	---	---	0.375	--	0	-----
CD01SP01	58	0.529	0.379	0.375	0.364	0.033	0.033	7634918	------	---	---	---	---	0.375	--	0	-----
SOUTH OUTLET COND A	31	1.203	0.862	0.375	0.350	0.033	0.033	3215910	------	---	---	---	---	0.375	--	0	-----
CD01EL03	3	0.842	0.603	0.375	0.357	0.033	0.033	4703944	------	---	---	---	---	0.375	--	0	-----
CD01EL04	3	0.842	0.603	0.375	0.357	0.033	0.033	4703944	------	---	---	---	---	0.375	--	0	-----
CD01VA02	23	1.232	0.883	0.375	0.349	0.036	0.036	3108961	------	---	---	---	---	0.375	--	0	-----
CD01SP02	58	0.529	0.379	0.375	0.364	0.033	0.033	7634918	------	---	---	---	---	0.375	--	0	-----
===>Grouped by Line: 024-20"-C-02, No Sorting.																	
NORTH OUTLET COND B	31	1.203	0.862	0.375	0.350	0.033	0.033	3215910	------	---	---	---	---	0.375	--	0	-----
CD02EL01	3	0.842	0.603	0.375	0.357	0.033	0.033	4703944	------	---	---	---	---	0.375	--	0	-----
CD02EL02	3	0.842	0.603	0.375	0.357	0.033	0.033	4703944	------	---	---	---	---	0.375	--	0	-----
CD02VA01	23	1.232	0.883	0.375	0.349	0.036	0.036	3108961	------	---	---	---	---	0.375	--	0	-----
CD02SP01	58	0.529	0.379	0.375	0.364	0.033	0.033	7634918	------	---	---	---	---	0.375	--	0	-----
SOUTH OUTLET COND B	31	1.203	0.862	0.375	0.350	0.033	0.033	3215910	------	---	---	---	---	0.375	--	0	-----
CD02EL03	3	0.842	0.603	0.375	0.357	0.033	0.033	4703944	------	---	---	---	---	0.375	--	0	-----
CD02EL04	3	0.842	0.603	0.375	0.357	0.033	0.033	4703944	------	---	---	---	---	0.375	--	0	-----
CD02VA02	23	1.232	0.883	0.375	0.349	0.036	0.036	3108961	------	---	---	---	---	0.375	--	0	-----
CD02SP02	58	0.529	0.379	0.375	0.364	0.033	0.033	7634918	------	---	---	---	---	0.375	--	0	-----
===>Grouped by Line: 024-24"-C-03, No Sorting.																	
CD03VA01	22	1.106	0.793	0.375	0.352	0.043	0.043	3413786	------	---	---	---	---	0.375	--	0	-----
CD03SP04	58	0.477	0.342	0.375	0.365	0.040	0.040	8327045	------	---	---	---	---	0.375	--	0	-----
INLET P-2-1B	30	0.867	0.622	0.375	0.357	0.040	0.040	4464599	------	---	---	---	---	0.375	--	0	-----
===>Grouped by Line: 024-24"-C-04, No Sorting.																	
CD04SP01	64	0.434	0.311	0.375	0.366	0.040	0.040	9185367	------	---	---	---	---	0.375	--	0	-----
CD04VA01	22	1.106	0.793	0.375	0.352	0.043	0.043	3413786	------	---	---	---	---	0.375	--	0	-----
CD04EL01	3	0.759	0.544	0.375	0.359	0.040	0.040	5138994	------	---	---	---	---	0.375	--	0	-----
CD04SP02	53	0.542	0.389	0.375	0.364	0.040	0.040	7297059	------	---	---	---	---	0.375	--	0	-----
INLET P-2-1A	30	0.867	0.622	0.375	0.357	0.040	0.040	4464599	------	---	---	---	---	0.375	--	0	-----
===>Grouped by Line: 024-24"-C-05, No Sorting.																	
CD05SP01	64	0.434	0.311	0.375	0.366	0.040	0.040	9185367	------	---	---	---	---	0.375	--	0	-----
CD05VA01	22	1.106	0.793	0.375	0.352	0.043	0.043	3413786	------	---	---	---	---	0.375	--	0	-----
CD05EL01	3	0.759	0.544	0.375	0.359	0.040	0.040	5138994	------	---	---	---	---	0.375	--	0	-----
CD05SP02	53	0.542	0.389	0.375	0.364	0.040	0.040	7297059	------	---	---	---	---	0.375	--	0	-----
INLET P-2-1C	30	0.867	0.622	0.375	0.357	0.040	0.040	4464599	------	---	---	---	---	0.375	--	0	-----
===>Grouped by Line: 024-30"-C-03, No Sorting.																	
CD03CP01	62	0.003	0.002	0.375	0.375	0.050	0.050	99000000	------	---	---	---	---	0.375	--	0	-----
CD03TE01(U/S)	12	2.082	1.493	0.375	0.331	0.050	0.050	1651690	------	---	---	---	---	0.375	--	0	-----
CD03TE01(D/S)	12	0.453	0.325	0.375	0.366	0.050	0.050	8514687	------	---	---	---	---	0.375	--	0	-----
CD03TE01(BR.)	12	0.818	0.586	0.375	0.358	0.033	0.033	4849829	------	---	---	---	---	0.375	--	0	-----
CD03TE02(U/S)	12	0.453	0.325	0.375	0.366	0.050	0.050	8514687	------	---	---	---	---	0.375	--	0	-----
CD03TE02(D/S)	12	0.822	0.589	0.375	0.358	0.050	0.050	4576157	------	---	---	---	---	0.375	--	0	-----
CD03TE02(BR.)	12	0.818	0.586	0.375	0.358	0.033	0.033	4849829	------	---	---	---	---	0.375	--	0	-----
CD03SP01	62	0.401	0.287	0.375	0.367	0.046	0.046	9767008	------	---	---	---	---	0.375	--	0	-----

===>Grouped by Line: 024-36"-C-03, No Sorting.

CD03RD01(L/E)	18	0.425	0.305	0.375	0.366	0.060	0.060	8800926	------	---	---	---	---	0.375	--	0	-----
CD03RD01(S/E)	18	0.561	0.402	0.375	0.363	0.050	0.050	6819736	------	---	---	---	---	0.375	--	0	-----
CD03TE03(U/S)	12	0.581	0.416	0.375	0.363	0.060	0.060	6370975	------	---	---	---	---	0.375	--	0	-----
CD03TE03(D/S)	12	0.823	0.590	0.375	0.358	0.060	0.060	4419975	------	---	---	---	---	0.375	--	0	-----
CD03TE03(BR.)	12	0.818	0.586	0.375	0.358	0.033	0.033	4849829	------	---	---	---	---	0.375	--	0	-----
CD03TE04(U/S)	12	0.823	0.590	0.375	0.358	0.060	0.060	4419975	------	---	---	---	---	0.375	--	0	-----
CD03TE04(D/S)	12	1.055	0.756	0.375	0.353	0.060	0.060	3395073	------	---	---	---	---	0.375	--	0	-----
CD03TE04(BR.)	12	0.818	0.586	0.375	0.358	0.033	0.033	4849829	------	---	---	---	---	0.375	--	0	-----
CD03SP05	62	0.514	0.369	0.375	0.364	0.055	0.055	7338239	------	---	---	---	---	0.375	--	0	-----
CD03TE05A(U/S)	14	1.415	1.014	0.375	0.345	0.060	0.060	2465666	------	---	---	---	---	0.375	--	0	-----
CD03TE05A(D/S)	14	0.998	0.716	0.375	0.354	0.060	0.060	3601280	------	---	---	---	---	0.375	--	0	-----
CD03TE05A(BR.)	14	0.759	0.544	0.375	0.359	0.040	0.040	5138994	------	---	---	---	---	0.375	--	0	-----
CD03TE05B(U/S)	14	0.998	0.716	0.375	0.354	0.060	0.060	3601280	------	---	---	---	---	0.375	--	0	-----
CD03TE05B(D/S)	14	0.550	0.394	0.375	0.363	0.060	0.060	6745250	------	---	---	---	---	0.375	--	0	-----
CD03TE05B(BR.)	14	0.759	0.544	0.375	0.359	0.040	0.040	5138993	------	---	---	---	---	0.375	--	0	-----
CD03SP03	64	0.200	0.143	0.375	0.371	0.055	0.055	19279046	------	---	---	---	---	0.375	--	0	-----
CD03RD02(L/E)	7	0.350	0.251	0.375	0.368	0.060	0.060	10746060	------	---	---	---	---	0.375	--	0	-----
CD03RD02(S/E)	7	0.694	0.497	0.375	0.360	0.040	0.040	5644791	------	---	---	---	---	0.375	--	0	-----

===>Grouped by Line: 025-12"-C-09, No Sorting.

CD09SP01	65	0.002	0.001	0.375	0.375	0.251	0.251	99000000	------	---	---	---	---	0.375	--	0	-----
CD09VA01	22	0.005	0.004	0.375	0.375	0.269	0.269	99000000	------	---	---	---	---	0.375	--	0	-----
CD09SP02	58	0.002	0.002	0.375	0.375	0.251	0.251	99000000	------	---	---	---	---	0.375	--	0	-----
CD09EL01	2	0.004	0.003	0.375	0.375	0.251	0.251	99000000	------	---	---	---	---	0.375	--	0	-----
CD09SP03	52	0.003	0.002	0.375	0.375	0.251	0.251	99000000	------	---	---	---	---	0.375	--	0	-----
INLET AFTER COND	30	0.004	0.003	0.375	0.375	0.251	0.251	99000000	------	---	---	---	---	0.375	--	0	-----

===>Grouped by Line: 025-12"-C-10, No Sorting.

CD10SP01	62	1.586	1.137	0.375	0.342	0.251	0.251	699379	------	---	---	---	---	0.375	--	0	-----
CD10EL01	2	2.934	2.103	0.375	0.313	0.251	0.251	260344	------	---	---	---	---	0.375	--	0	-----
CD10SP02	52	1.983	1.421	0.375	0.333	0.251	0.251	508270	------	---	---	---	---	0.375	--	0	-----
INLET INTER COND B	30	3.172	2.274	0.375	0.309	0.251	0.251	221606	------	---	---	---	---	0.375	--	0	-----

===>Grouped by Line: 025-12"-C-11, No Sorting.

CD11SP01	62	1.586	1.137	0.375	0.342	0.251	0.251	699379	------	---	---	---	---	0.375	--	0	-----
CD11EL01	2	2.934	2.103	0.375	0.313	0.251	0.251	260344	------	---	---	---	---	0.375	--	0	-----
CD11SP02	52	1.983	1.421	0.375	0.333	0.251	0.251	508270	------	---	---	---	---	0.375	--	0	-----
INLET INTER COND A	30	3.172	2.274	0.375	0.309	0.251	0.251	221606	------	---	---	---	---	0.375	--	0	-----

===>Grouped by Line: 025-18"-C-06, No Sorting.

OUTLET NOZZLE P-2-1A	31	1.968	1.410	0.562	0.521	0.354	0.354	1033671	------	---	---	---	---	0.562	--	0	-----
CD06EL01	4	1.456	1.044	0.562	0.531	0.354	0.354	1486858	------	---	---	---	---	0.562	--	0	-----
CD06VA01	25	1.968	1.410	0.562	0.521	0.379	0.379	879123	------	---	---	---	---	0.562	--	0	-----
CD06SP01	58	0.866	0.621	0.562	0.544	0.354	0.354	2675284	------	---	---	---	---	0.562	--	0	-----
CD06VA02	22	1.941	1.391	0.562	0.521	0.379	0.379	894688	------	---	---	---	---	0.562	--	0	-----
CD06EL02	3	1.377	0.987	0.562	0.533	0.354	0.354	1586459	------	---	---	---	---	0.562	--	0	-----
CD06SP02	53	0.984	0.705	0.562	0.541	0.354	0.354	2323510	------	---	---	---	---	0.562	--	0	-----

===>Grouped by Line: 025-18"-C-07, No Sorting.

OUTLET NOZZLE P-2-1B	31	1.968	1.410	0.562	0.521	0.354	0.354	1033671	------	---	---	---	---	0.562	--	0	-----
CD07EL01	4	1.456	1.044	0.562	0.531	0.354	0.354	1486858	------	---	---	---	---	0.562	--	0	-----
CD07VA01	25	1.968	1.410	0.562	0.521	0.379	0.379	879123	------	---	---	---	---	0.562	--	0	-----
CD07SP01	58	0.866	0.621	0.562	0.544	0.354	0.354	2675284	------	---	---	---	---	0.562	--	0	-----
CD07VA02	22	1.941	1.391	0.562	0.521	0.379	0.379	894688	------	---	---	---	---	0.562	--	0	-----
CD07EL02	3	1.377	0.987	0.562	0.533	0.354	0.354	1586459	------	---	---	---	---	0.562	--	0	-----
CD07SP02	53	0.984	0.705	0.562	0.541	0.354	0.354	2323510	------	---	---	---	---	0.562	--	0	-----

===>Grouped by Line: 025-18"-C-08, No Sorting.

OUTLET NOZZLE P-2-1C	31	1.968	1.410	0.562	0.521	0.354	0.354	1033671	------	---	---	---	---	0.562	--	0	-----
CD08EL01	4	1.456	1.044	0.562	0.531	0.354	0.354	1486858	------	---	---	---	---	0.562	--	0	-----
CD08VA01	25	1.968	1.410	0.562	0.521	0.354	0.354	1033671	------	---	---	---	---	0.562	--	0	-----
CD08SP01	58	0.866	0.621	0.562	0.544	0.354	0.354	2675284	------	---	---	---	---	0.562	--	0	-----
CD08VA02	22	1.941	1.391	0.562	0.521	0.379	0.379	894688	------	---	---	---	---	0.562	--	0	-----
CD08EL02	3	1.377	0.987	0.562	0.533	0.354	0.354	1586459	------	---	---	---	---	0.562	--	0	-----
CD08SP02	53	0.984	0.705	0.562	0.541	0.354	0.354	2323510	------	---	---	---	---	0.562	--	0	-----
CD08EL03	2	1.456	1.044	0.562	0.531	0.354	0.354	1486858	------	---	---	---	---	0.562	--	0	-----
CD08SP03	52	0.984	0.705	0.562	0.541	0.354	0.354	2323510	------	---	---	---	---	0.562	--	0	-----

===>Grouped by Line: 025-24"-C-08, No Sorting.

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CD08RD01(L	18	0.684	0.491	0.688	0.674	0.472	0.47	3592905	------	---	---	---	---	0.688	--		-----
CD08RD01(S/	18	1.102	0.790	0.562	0.539	0.354	0.354	2047116	------	---	---	---	---	0.562	--	0	-----
CD08TE01(U/S)	12	0.935	0.670	0.688	0.668	0.472	0.472	2560227	------	---	---	---	---	0.688	--	0	-----
CD08TE01(D/S)	12	1.698	1.217	0.688	0.652	0.472	0.472	1295532	------	---	---	---	---	0.688	--	0	-----
CD08TE01(BR.)	12	1.338	0.959	0.562	0.534	0.354	0.354	1640654	------	---	---	---	---	0.562	--	0	-----
CD08SP04	62	0.828	0.594	0.688	0.671	0.472	0.472	2924817	------	---	---	---	---	0.688	--	0	-----
CD08TE02(U/S)	12	1.698	1.217	0.688	0.652	0.472	0.472	1295532	------	---	---	---	---	0.688	--	0	-----
CD08TE02(D/S)	12	2.157	1.546	0.688	0.643	0.472	0.472	964930	------	---	---	---	---	0.688	--	0	-----
CD08TE02(BR.)	12	1.338	0.959	0.562	0.534	0.354	0.354	1640653	------	---	---	---	---	0.562	--	0	-----
CD08SP05	62	1.052	0.754	0.688	0.666	0.472	0.472	2247083	------	---	---	---	---	0.688	--	0	-----
CD08EL04	2	1.947	1.396	0.688	0.647	0.472	0.472	1096940	------	---	---	---	---	0.688	--	0	-----
CD08SP06	52	1.315	0.943	0.688	0.660	0.472	0.472	1746433	------	---	---	---	---	0.688	--	0	-----
CD08FE01A	52	1.358	0.973	0.969	0.941	0.472	0.472	4213301	------	---	---	---	---	0.969	--	0	-----
CD08FE01B	52	1.315	0.943	0.688	0.660	0.472	0.472	1746433	------	---	---	---	---	0.688	--	0	-----
CD08FE01	6	0.159	0.114	0.688	0.685	0.506	0.506	13747229	------	---	---	---	---	0.688	--	0	-----
CD08FE01C	56	0.989	0.709	0.688	0.667	0.472	0.472	2408237	------	---	---	---	---	0.688	--	0	-----
CD08EL05	4	1.947	1.396	0.688	0.647	0.472	0.472	1096940	------	---	---	---	---	0.688	--	0	-----
CD08SP07	54	1.684	1.207	0.688	0.653	0.472	0.472	1308364	------	---	---	---	---	0.688	--	0	-----
CD08TE03(U/S)	14	2.894	2.074	0.688	0.627	0.472	0.472	654105	------	---	---	---	---	0.688	--	0	-----
CD08TE03(D/S)	14	1.778	1.275	0.688	0.651	0.472	0.472	1225245	------	---	---	---	---	0.688	--	0	-----
CD08TE03(BR.)	14	2.776	1.990	0.375	0.317	0.251	0.251	289859	------	---	---	---	---	0.375	--	0	-----
CD08SP08	64	0.647	0.464	0.688	0.674	0.472	0.472	3817718	------	---	---	---	---	0.688	--	0	-----
CD08TE04(U/S)	15	0.970	0.695	0.688	0.668	0.472	0.472	2459756	------	---	---	---	---	0.688	--	0	-----
CD08TE04(D/S)	15	0.970	0.695	0.688	0.668	0.472	0.472	2459756	------	---	---	---	---	0.688	--	0	-----
CD08SP09	64	0.647	0.464	0.688	0.674	0.472	0.472	3817718	------	---	---	---	---	0.688	--	0	-----
CD08TE05(U/S)	12	1.326	0.950	0.688	0.660	0.472	0.472	1731093	------	---	---	---	---	0.688	--	0	-----
CD08TE05(D/S)	12	3.002	2.152	0.688	0.625	0.472	0.472	621436	------	---	---	---	---	0.688	--	0	-----
CD08TE05(BR.)	12	2.696	1.933	0.375	0.318	0.251	0.251	305919	------	---	---	---	---	0.375	--	0	-----
CD08CP01	62	0.005	0.003	0.688	0.688	0.472	0.472	99000000	------	---	---	---	---	0.688	--	0	-----

===>Grouped by Line: 026-12"-C-12, No Sorting.

OUTLET AFTER COND	31	0.037	0.026	0.375	0.374	0.251	0.251	41089344	------	---	---	---	---	0.375	--	0	-----
CD12SP01	61	0.020	0.014	0.375	0.375	0.251	0.251	76309600	------	---	---	---	---	0.375	--	0	-----
CD12VA01	22	0.037	0.026	0.375	0.374	0.269	0.269	35213260	------	---	---	---	---	0.375	--	0	-----
CD12SP02	58	0.016	0.012	0.375	0.375	0.251	0.251	93710912	------	---	---	---	---	0.375	--	0	-----

===>Grouped by Line: 026-12"-C-13, No Sorting.

OUTLET INTER COND B	31	3.965	2.842	0.375	0.292	0.251	0.251	126051	------	---	---	---	---	0.375	--	0	-----
CD13SP01	61	2.141	1.535	0.375	0.330	0.251	0.251	451645	------	---	---	---	---	0.375	--	0	-----

===>Grouped by Line: 026-12"-C-14, No Sorting.

OUTLET INTER COND A	31	3.965	2.842	0.375	0.292	0.251	0.251	126051	------	---	---	---	---	0.375	--	0	-----
CD14SP01	61	2.141	1.535	0.375	0.330	0.251	0.251	451645	------	---	---	---	---	0.375	--	0	-----

===>Grouped by Line: 026-24"-C-15, No Sorting.

CD15CP01	62	0.005	0.003	0.688	0.688	0.472	0.472	99000000	------	---	---	---	---	0.688	--	0	-----
CD15TE01(U/S)	12	3.002	2.152	0.688	0.625	0.472	0.472	621436	------	---	---	---	---	0.688	--	0	-----
CD15TE01(D/S)	12	1.326	0.950	0.688	0.660	0.472	0.472	1731093	------	---	---	---	---	0.688	--	0	-----
CD15TE01(BR.)	12	2.714	1.945	0.406	0.349	0.251	0.251	441859	------	---	---	---	---	0.406	--	0	-----
CD15TE02(U/S)	15	0.970	0.695	0.688	0.668	0.472	0.472	2459756	------	---	---	---	---	0.688	--	0	-----
CD15TE02(D/S)	15	0.970	0.695	0.688	0.668	0.472	0.472	2459756	------	---	---	---	---	0.688	--	0	-----
CD15TE03(U/S)	12	1.326	0.950	0.688	0.660	0.472	0.472	1731093	------	---	---	---	---	0.688	--	0	-----
CD15TE03(D/S)	12	2.157	1.546	0.688	0.643	0.472	0.472	964930	------	---	---	---	---	0.688	--	0	-----
CD15TE03(BR.)	12	2.714	1.945	0.406	0.349	0.251	0.251	441859	------	---	---	---	---	0.406	--	0	-----
CD15SP01	62	1.052	0.754	0.688	0.666	0.472	0.472	2247083	------	---	---	---	---	0.688	--	0	-----
CD15EL01	2	1.947	1.396	0.688	0.647	0.472	0.472	1096940	------	---	---	---	---	0.688	--	0	-----
CD15EL02	4	1.947	1.396	0.688	0.647	0.472	0.472	1096940	------	---	---	---	---	0.688	--	0	-----
CD15SP02	54	1.684	1.207	0.688	0.653	0.472	0.472	1308364	------	---	---	---	---	0.688	--	0	-----
CD15EL03	2	1.947	1.396	0.688	0.647	0.472	0.472	1096940	------	---	---	---	---	0.688	--	0	-----
CD15EL04	4	1.947	1.396	0.688	0.647	0.472	0.472	1096940	------	---	---	---	---	0.688	--	0	-----
CD15SP03	54	1.684	1.207	0.688	0.653	0.472	0.472	1308364	------	---	---	---	---	0.688	--	0	-----
INLET NOZZLE E-24-1A	30	2.105	1.509	0.688	0.644	0.472	0.472	995457	------	---	---	---	---	0.688	--	0	-----

===>Grouped by Line: 026-24"-C-16, No Sorting.

OUTLET NOZZLE E-24-1A	31	2.631	1.886	0.688	0.633	0.472	0.472	745132	------	---	---	---	---	0.688	--	0	-----
CD16EL01	4	1.947	1.396	0.688	0.647	0.472	0.472	1096940	------	---	---	---	---	0.688	--	0	-----
CD16SP01	54	1.684	1.207	0.688	0.653	0.472	0.472	1308364	------	---	---	---	---	0.688	--	0	-----
CD16EL02	2	1.947	1.396	0.688	0.647	0.472	0.472	1096940	------	---	---	---	---	0.688	--	0	-----
CD16SP02	52	1.315	0.943	0.688	0.660	0.472	0.472	1746433	------	---	---	---	---	0.688	--	0	-----
CD16EL03	2	1.947	1.396	0.688	0.647	0.472	0.472	1096940	------	---	---	---	---	0.688	--	0	-----
CD16SP03	52	1.315	0.943	0.688	0.660	0.472	0.472	1746433	------	---	---	---	---	0.688	--	0	-----

===>Grouped by Line: 027-10"-CD-01A, No Sorting.

CD1ASP01	57	1.490	1.068	0.365	0.334	0.186	0.186	1215444	------	---	---	---	---	0.365	--	0	-----
CD1AEL01	2	2.206	1.581	0.365	0.319	0.186	0.186	738164	------	---	---	---	---	0.365	--	0	-----
CD1ASP02	52	1.490	1.068	0.365	0.334	0.186	0.186	1215444	------	---	---	---	---	0.365	--	0	-----
CD1AEL02	2	2.206	1.581	0.365	0.319	0.186	0.186	738164	------	---	---	---	---	0.365	--	0	-----
CD1ASP03	52	1.490	1.068	0.365	0.334	0.186	0.186	1215444	------	---	---	---	---	0.365	--	0	-----
CD1AFE01	6	4.586	3.288	0.365	0.269	0.186	0.186	222055	------	---	---	---	---	0.365	--	0	-----
CD1ASP04	56	0.917	0.658	0.365	0.346	0.186	0.186	2134950	------	---	---	---	---	0.365	--	0	-----
CD1AVA01	22	2.981	2.137	0.365	0.303	0.199	0.199	426110	------	---	---	---	---	0.365	--	0	-----
CD1AEL03	4	2.206	1.581	0.365	0.319	0.186	0.186	738164	------	---	---	---	---	0.365	--	0	-----
CD1ASP05	54	1.908	1.367	0.365	0.325	0.186	0.186	893529	------	---	---	---	---	0.365	--	0	-----
CD1AEL04	2	2.206	1.581	0.365	0.319	0.186	0.186	738164	------	---	---	---	---	0.365	--	0	-----
CD1ASP06	52	1.490	1.068	0.365	0.334	0.186	0.186	1215444	------	---	---	---	---	0.365	--	0	-----
CD1AEL05	2	2.206	1.581	0.365	0.319	0.186	0.186	738164	------	---	---	---	---	0.365	--	0	-----
CD1ASP07	52	1.490	1.068	0.365	0.334	0.186	0.186	1215444	------	---	---	---	---	0.365	--	0	-----
CD1AVA02	23	2.981	2.137	0.365	0.303	0.199	0.199	426110	------	---	---	---	---	0.365	--	0	-----
CD1ASP08	58	1.312	0.940	0.365	0.338	0.186	0.186	1416118	------	---	---	---	---	0.365	--	0	-----
CD1ATE01(U/S)	15	1.789	1.282	0.365	0.328	0.186	0.186	970175	------	---	---	---	---	0.365	--	0	-----
CD1ATE01(D/S)	15	1.789	1.282	0.365	0.328	0.186	0.186	970175	------	---	---	---	---	0.365	--	0	-----
CD1ASP09	65	1.192	0.855	0.365	0.340	0.186	0.186	1583347	------	---	---	---	---	0.365	--	0	-----
CD1ATE02(U/S)	12	8.363	5.994	0.365	0.190	0.186	0.186	6117	------	---	---	---	---	0.365	--	0	-----
CD1ATE02(D/S)	12	2.444	1.752	0.365	0.314	0.186	0.186	641156	------	---	---	---	---	0.365	--	0	-----
CD1ATE02(BR.)	12	2.027	1.453	0.365	0.323	0.186	0.186	825899	------	---	---	---	---	0.365	--	0	-----
CD1ASP10	62	1.192	0.855	0.365	0.340	0.186	0.186	1583347	------	---	---	---	---	0.365	--	0	-----
CD1ARD01(L/E)	18	1.426	1.022	0.375	0.345	0.220	0.220	1072266	------	---	---	---	---	0.375	--	0	-----
CD1ARD01(S/E)	18	1.669	1.197	0.365	0.330	0.186	0.186	1057771	------	---	---	---	---	0.365	--	0	-----
CD1AEL06	4	1.758	1.260	0.375	0.338	0.220	0.220	820941	------	---	---	---	---	0.375	--	0	-----
INLET DEMIN A	30	1.901	1.362	0.375	0.335	0.220	0.220	740158	------	---	---	---	---	0.375	--	0	-----

===>Grouped by Line: 027-10"-CD-01B, No Sorting.

CD1BSP01	64	1.192	0.855	0.365	0.340	0.186	0.186	1583347	------	---	---	---	---	0.365	--	0	-----
CD1BEL01	2	2.206	1.581	0.365	0.319	0.186	0.186	738164	------	---	---	---	---	0.365	--	0	-----
CD1BSP02	52	1.490	1.068	0.365	0.334	0.186	0.186	1215444	------	---	---	---	---	0.365	--	0	-----
CD1BFE01	6	4.586	3.288	0.365	0.269	0.186	0.186	222055	------	---	---	---	---	0.365	--	0	-----
CD1BSP03	56	0.917	0.658	0.365	0.346	0.186	0.186	2134950	------	---	---	---	---	0.365	--	0	-----
CD1BEL02	2	2.206	1.581	0.365	0.319	0.186	0.186	738164	------	---	---	---	---	0.365	--	0	-----
CD1BVA01	23	2.981	2.137	0.365	0.303	0.199	0.199	426110	------	---	---	---	---	0.365	--	0	-----
CD1BSP04	58	1.312	0.940	0.365	0.338	0.186	0.186	1416118	------	---	---	---	---	0.365	--	0	-----
CD1BEL03	2	2.206	1.581	0.365	0.319	0.186	0.186	738164	------	---	---	---	---	0.365	--	0	-----
CD1BSP05	52	1.490	1.068	0.365	0.334	0.186	0.186	1215444	------	---	---	---	---	0.365	--	0	-----
CD1BEL04	2	2.206	1.581	0.365	0.319	0.186	0.186	738164	------	---	---	---	---	0.365	--	0	-----
CD1BSP06	52	1.490	1.068	0.365	0.334	0.186	0.186	1215444	------	---	---	---	---	0.365	--	0	-----
CD1BVA02	23	2.981	2.137	0.365	0.303	0.199	0.199	426110	------	---	---	---	---	0.365	--	0	-----
CD1BSP07	58	1.312	0.940	0.365	0.338	0.186	0.186	1416118	------	---	---	---	---	0.365	--	0	-----
CD1BTE01(U/S)	15	1.789	1.282	0.365	0.328	0.186	0.186	970175	------	---	---	---	---	0.365	--	0	-----
CD1BTE01(D/S)	15	1.789	1.282	0.365	0.328	0.186	0.186	970175	------	---	---	---	---	0.365	--	0	-----
CD1BSP08	65	1.192	0.855	0.365	0.340	0.186	0.186	1583347	------	---	---	---	---	0.365	--	0	-----
CD1BTE02(U/S)	12	2.444	1.752	0.365	0.314	0.186	0.186	641156	------	---	---	---	---	0.365	--	0	-----
CD1BTE02(D/S)	12	8.363	5.994	0.365	0.190	0.186	0.186	6117	------	---	---	---	---	0.365	--	0	-----
CD1BTE02(BR.)	12	2.027	1.453	0.365	0.323	0.186	0.186	825899	------	---	---	---	---	0.365	--	0	-----
CD1BSP09	62	1.192	0.855	0.365	0.340	0.186	0.186	1583347	------	---	---	---	---	0.365	--	0	-----
CD1BRD01(L/E)	18	1.426	1.022	0.375	0.345	0.220	0.220	1072266	------	---	---	---	---	0.375	--	0	-----
CD1BRD01(S/E)	18	1.669	1.197	0.365	0.330	0.186	0.186	1057771	------	---	---	---	---	0.365	--	0	-----
CD1BEL05	4	1.758	1.260	0.375	0.338	0.220	0.220	820941	------	---	---	---	---	0.375	--	0	-----
INLET DEMIN B	30	1.901	1.362	0.375	0.335	0.220	0.220	740158	------	---	---	---	---	0.375	--	0	-----

===>Grouped by Line: 027-10"-CD-01C, No Sorting.

CD1CSP01	64	1.192	0.855	0.365	0.340	0.186	0.186	1583347	------	---	---	---	---	0.365	--	0	-----
CD1CEL01	2	2.206	1.581	0.365	0.319	0.186	0.186	738164	------	---	---	---	---	0.365	--	0	-----
CD1CEL02	4	2.206	1.581	0.365	0.319	0.186	0.186	738164	------	---	---	---	---	0.365	--	0	-----
CD1CSP02	52	1.490	1.068	0.365	0.334	0.186	0.186	1215444	------	---	---	---	---	0.365	--	0	-----
CD1CFE01	6	4.586	3.288	0.365	0.269	0.186	0.186	222055	------	---	---	---	---	0.365	--	0	-----
CD1CSP03	56	0.917	0.658	0.365	0.346	0.186	0.186	2134950	------	---	---	---	---	0.365	--	0	-----
CD1CEL03	2	2.206	1.581	0.365	0.319	0.186	0.186	738164	------	---	---	---	---	0.365	--	0	-----
CD1CSP04	52	1.490	1.068	0.365	0.334	0.186	0.186	1215444	------	---	---	---	---	0.365	--	0	-----
CD1CVA01	23	2.981	2.137	0.365	0.303	0.199	0.199	426110	------	---	---	---	---	0.365	--	0	-----
CD1CEL04	4	2.206	1.581	0.365	0.319	0.186	0.186	738164	------	---	---	---	---	0.365	--	0	-----
CD1CSP05	54	1.908	1.367	0.365	0.325	0.186	0.186	893529	------	---	---	---	---	0.365	--	0	-----
CD1CEL05	2	2.206	1.581	0.365	0.319	0.186	0.186	738164	------	---	---	---	---	0.365	--	0	-----
CD1CSP06	52	1.490	1.068	0.365	0.334	0.186	0.186	1215444	------	---	---	---	---	0.365	--	0	-----
CD1CVA02	23	2.981	2.137	0.365	0.303	0.199	0.199	426110	------	---	---	---	---	0.365	--	0	-----
CD1CSP07	58	1.312	0.940	0.365	0.338	0.186	0.186	1416118	------	---	---	---	---	0.365	--	0	-----
CD1CTE01(U/S)	15	1.789	1.282	0.365	0.328	0.186	0.186	970175	------	---	---	---	---	0.365	--	0	-----
CD1CTE01(D/S)	15	1.789	1.282	0.365	0.328	0.186	0.186	970175	------	---	---	---	---	0.365	--	0	-----
CD1CSP08	65	1.192	0.855	0.365	0.340	0.186	0.186	1583347	------	---	---	---	---	0.365	--	0	-----
CD1CTE02(U/S)	12	8.363	5.994	0.365	0.190	0.186	0.186	6117	------	---	---	---	---	0.365	--	0	-----

CD1CTE02(D	12	2.444	1.752	0.365	0.314	0.186	0.1[illegible]	641156	------	---	---	---	---	0.365	--		-----
CD1CTE02(B	12	2.027	1.453	0.365	0.323	0.186	0.186	825899	------	---	---	---	---	0.365	--	0	-----
CD1CSP09	62	1.192	0.855	0.365	0.340	0.186	0.186	1583347	------	---	---	---	---	0.365	--	0	-----
CD1CRD01(L/E)	18	1.426	1.022	0.375	0.345	0.220	0.220	1072266	------	---	---	---	---	0.375	--	0	-----
CD1CRD01(S/E)	18	1.669	1.197	0.365	0.330	0.186	0.186	1057771	------	---	---	---	---	0.365	--	0	-----
CD1CEL05	4	1.758	1.260	0.375	0.338	0.220	0.220	820941	------	---	---	---	---	0.375	--	0	-----
INLET DEMIN C	30	1.901	1.362	0.375	0.335	0.220	0.220	740158	------	---	---	---	---	0.375	--	0	-----

===>Grouped by Line: 027-10"-CD-01D, No Sorting.

CD1DSP01	64	1.192	0.855	0.365	0.340	0.186	0.186	1583347	------	---	---	---	---	0.365	--	0	-----
CD1DEL01	2	2.206	1.581	0.365	0.319	0.186	0.186	738164	------	---	---	---	---	0.365	--	0	-----
CD1DSP02	52	1.490	1.068	0.365	0.334	0.186	0.186	1215444	------	---	---	---	---	0.365	--	0	-----
CD1CFE01	6	4.586	3.288	0.365	0.269	0.186	0.186	222055	------	---	---	---	---	0.365	--	0	-----
CD1DSP03	56	0.917	0.658	0.365	0.346	0.186	0.186	2134950	------	---	---	---	---	0.365	--	0	-----
CD1DEL02	2	2.206	1.581	0.365	0.319	0.186	0.186	738164	------	---	---	---	---	0.365	--	0	-----
CD1DSP04	52	1.490	1.068	0.365	0.334	0.186	0.186	1215444	------	---	---	---	---	0.365	--	0	-----
CD1DVA01	23	2.981	2.137	0.365	0.303	0.199	0.199	426110	------	---	---	---	---	0.365	--	0	-----
CD1DEL04	4	2.206	1.581	0.365	0.319	0.186	0.186	738164	------	---	---	---	---	0.365	--	0	-----
CD1DSP05	54	1.908	1.367	0.365	0.325	0.186	0.186	893529	------	---	---	---	---	0.365	--	0	-----
CD1DEL04	2	2.206	1.581	0.365	0.319	0.186	0.186	738164	------	---	---	---	---	0.365	--	0	-----
CD1DSP06	52	1.490	1.068	0.365	0.334	0.186	0.186	1215444	------	---	---	---	---	0.365	--	0	-----
CD1DVA02	23	2.981	2.137	0.365	0.303	0.199	0.199	426110	------	---	---	---	---	0.365	--	0	-----
CD1DSP07	58	1.312	0.940	0.365	0.338	0.186	0.186	1416118	------	---	---	---	---	0.365	--	0	-----
CD1DTE01(U/S)	15	1.789	1.282	0.365	0.328	0.186	0.186	970175	------	---	---	---	---	0.365	--	0	-----
CD1DTE01(D/S)	15	1.789	1.282	0.365	0.328	0.186	0.186	970175	------	---	---	---	---	0.365	--	0	-----
CD1DSP08	65	1.192	0.855	0.365	0.340	0.186	0.186	1583347	------	---	---	---	---	0.365	--	0	-----
CD1DTE02(U/S)	12	8.363	5.994	0.365	0.190	0.186	0.186	6117	------	---	---	---	---	0.365	--	0	-----
CD1DTE02(D/S)	12	2.444	1.752	0.365	0.314	0.186	0.186	641156	------	---	---	---	---	0.365	--	0	-----
CD1DTE02(BR.)	12	2.027	1.453	0.365	0.323	0.186	0.186	825899	------	---	---	---	---	0.365	--	0	-----
CD1DSP09	62	1.192	0.855	0.365	0.340	0.186	0.186	1583347	------	---	---	---	---	0.365	--	0	-----
CD1DRD01(L/E)	18	1.426	1.022	0.375	0.345	0.220	0.220	1072266	------	---	---	---	---	0.375	--	0	-----
CD1DRD01(S/E)	18	1.669	1.197	0.365	0.330	0.186	0.186	1057771	------	---	---	---	---	0.365	--	0	-----
CD1DEL05	4	1.758	1.260	0.375	0.338	0.220	0.220	820941	------	---	---	---	---	0.375	--	0	-----
INLET DEMIN D	30	1.901	1.362	0.375	0.335	0.220	0.220	740158	------	---	---	---	---	0.375	--	0	-----

===>Grouped by Line: 027-10"-CD-01E, No Sorting.

CD1ESP01	62	1.192	0.855	0.365	0.340	0.186	0.186	1583347	------	---	---	---	---	0.365	--	0	-----
CD1EEL01	2	2.206	1.581	0.365	0.319	0.186	0.186	738164	------	---	---	---	---	0.365	--	0	-----
CD1ESP02	52	1.490	1.068	0.365	0.334	0.186	0.186	1215444	------	---	---	---	---	0.365	--	0	-----
CD1EFE01	6	4.586	3.288	0.365	0.269	0.186	0.186	222055	------	---	---	---	---	0.365	--	0	-----
CD1ESP04	56	0.917	0.658	0.365	0.346	0.186	0.186	2134950	------	---	---	---	---	0.365	--	0	-----
CD1EVA01	22	2.981	2.137	0.365	0.303	0.199	0.199	426110	------	---	---	---	---	0.365	--	0	-----
CD1EEL02	4	2.206	1.581	0.365	0.319	0.186	0.186	738164	------	---	---	---	---	0.365	--	0	-----
CD1ESP04	54	1.908	1.367	0.365	0.325	0.186	0.186	893529	------	---	---	---	---	0.365	--	0	-----
CD1EEL03	2	2.206	1.581	0.365	0.319	0.186	0.186	738164	------	---	---	---	---	0.365	--	0	-----
CD1ESP05	52	1.490	1.068	0.365	0.334	0.186	0.186	1215444	------	---	---	---	---	0.365	--	0	-----
CD1EEL04	2	2.206	1.581	0.365	0.319	0.186	0.186	738164	------	---	---	---	---	0.365	--	0	-----
CD1ESP06	52	1.490	1.068	0.365	0.334	0.186	0.186	1215444	------	---	---	---	---	0.365	--	0	-----
CD1EVA02	23	2.981	2.137	0.365	0.303	0.199	0.199	426110	------	---	---	---	---	0.365	--	0	-----
CD1ESP07	58	1.312	0.940	0.365	0.338	0.186	0.186	1416118	------	---	---	---	---	0.365	--	0	-----
CD1ETE01(U/S)	15	1.789	1.282	0.365	0.328	0.186	0.186	970175	------	---	---	---	---	0.365	--	0	-----
CD1ETE01(D/S)	15	1.789	1.282	0.365	0.328	0.186	0.186	970175	------	---	---	---	---	0.365	--	0	-----
CD1ESP08	65	1.192	0.855	0.365	0.340	0.186	0.186	1583347	------	---	---	---	---	0.365	--	0	-----
CD1ETE02(U/S)	12	8.363	5.994	0.365	0.190	0.186	0.186	6117	------	---	---	---	---	0.365	--	0	-----
CD1ETE02(D/S)	12	2.444	1.752	0.365	0.314	0.186	0.186	641156	------	---	---	---	---	0.365	--	0	-----
CD1ETE02(BR.)	12	2.027	1.453	0.365	0.323	0.186	0.186	825899	------	---	---	---	---	0.365	--	0	-----
CD1ESP09	62	1.192	0.855	0.365	0.340	0.186	0.186	1583347	------	---	---	---	---	0.365	--	0	-----
CD1ERD01(L/E)	18	1.426	1.022	0.375	0.345	0.220	0.220	1072266	------	---	---	---	---	0.375	--	0	-----
CD1ERD01(S/E)	18	1.669	1.197	0.365	0.330	0.186	0.186	1057771	------	---	---	---	---	0.365	--	0	-----
CD1EEL06	4	1.758	1.260	0.375	0.338	0.220	0.220	820941	------	---	---	---	---	0.375	--	0	-----
INLET DEMIN E	30	1.901	1.362	0.375	0.335	0.220	0.220	740158	------	---	---	---	---	0.375	--	0	-----

===>Grouped by Line: 027-24"-CD-01, No Sorting.

CD01RD01(L/E)	7	0.515	0.369	0.688	0.677	0.414	0.414	6246098	------	---	---	---	---	0.688	--	0	-----
CD01RD01(S/E)	7	1.908	1.367	0.365	0.325	0.186	0.186	893529	------	---	---	---	---	0.365	--	0	-----
CD01TE02(U/S)	14	1.468	1.052	0.688	0.657	0.414	0.414	2023566	------	---	---	---	---	0.688	--	0	-----
CD01TE02(D/S)	14	0.809	0.580	0.688	0.671	0.414	0.414	3881637	------	---	---	---	---	0.688	--	0	-----
CD01TE02(BR.)	14	2.087	1.496	0.365	0.321	0.186	0.186	794983	------	---	---	---	---	0.365	--	0	-----
CD01SP01	60	0.801	0.574	0.688	0.671	0.414	0.414	3923345	------	---	---	---	---	0.688	--	0	-----
CD01TE01(U/S)	10	1.334	0.956	0.688	0.660	0.414	0.414	2251540	------	---	---	---	---	0.688	--	0	-----
CD01TE01(D/S)	10	1.891	1.355	0.688	0.648	0.414	0.414	1513282	------	---	---	---	---	0.688	--	0	-----
CD01TE01(BR.)	10	2.105	1.509	0.688	0.644	0.414	0.414	1333622	------	---	---	---	---	0.688	--	0	-----
CD01TE02(U/S)	14	2.080	1.491	0.688	0.644	0.414	0.414	1352423	------	---	---	---	---	0.688	--	0	-----
CD01TE02(D/S)	14	1.468	1.052	0.688	0.657	0.414	0.414	2023566	------	---	---	---	---	0.688	--	0	-----
CD01TE02(BR.)	14	2.087	1.496	0.365	0.321	0.186	0.186	794983	------	---	---	---	---	0.365	--	0	-----

CD01SP02	64	0.534	0.383	0.688	0.677	0.414	0.41	6013101	------	---	---	---	---	0.688	--		-----
CD01TE03(U/	14	1.468	1.052	0.688	0.657	0.414	0.414	2023566	------	---	---	---	---	0.688	--	0	-----
CD01TE03(D/S)	14	0.809	0.580	0.688	0.671	0.414	0.414	3881637	------	---	---	---	---	0.688	--	0	-----
CD01TE03(BR.)	14	2.087	1.496	0.365	0.321	0.186	0.186	794983	------	---	---	---	---	0.365	--	0	-----
CD01SP03	64	0.294	0.211	0.688	0.682	0.414	0.414	11122798	------	---	---	---	---	0.688	--	0	-----
CD01TE04(U/S)	12	0.603	0.432	0.688	0.675	0.414	0.414	5294547	------	---	---	---	---	0.688	--	0	-----
CD01TE04(D/S)	12	3.002	2.152	0.688	0.625	0.414	0.414	858548	------	---	---	---	---	0.688	--	0	-----
CD01TE04(BR.)	12	2.027	1.453	0.365	0.323	0.186	0.186	825899	------	---	---	---	---	0.365	--	0	-----

===>Grouped by Line: 028-10"-CD-03A, No Sorting.

OUTLET DEMIN A	31	2.376	1.703	0.375	0.325	0.220	0.220	540893	------	---	---	---	---	0.375	--	0	-----
CD3AEL01	4	1.758	1.260	0.375	0.338	0.220	0.220	820941	------	---	---	---	---	0.375	--	0	-----
CD3ARD01(L/E)	7	1.663	1.192	0.375	0.340	0.220	0.220	882490	------	---	---	---	---	0.375	--	0	-----
CD3ARD01(S/E)	7	1.908	1.367	0.365	0.325	0.186	0.186	893529	------	---	---	---	---	0.365	--	0	-----
CD3AEL02	3	2.087	1.496	0.365	0.321	0.186	0.186	794983	------	---	---	---	---	0.365	--	0	-----
CD3ASP01	53	1.490	1.068	0.365	0.334	0.186	0.186	1215444	------	---	---	---	---	0.365	--	0	-----
CD3ATE01(U/S)	12	2.444	1.752	0.365	0.314	0.186	0.186	641156	------	---	---	---	---	0.365	--	0	-----
CD3ATE01(D/S)	12	8.363	5.994	0.365	0.190	0.186	0.186	6117	------	---	---	---	---	0.365	--	0	-----
CD3ATE01(BR.)	12	2.027	1.453	0.365	0.323	0.186	0.186	825899	------	---	---	---	---	0.365	--	0	-----
CD3ATE02(U/S)	12	2.444	1.752	0.365	0.314	0.186	0.186	641156	------	---	---	---	---	0.365	--	0	-----
CD3ATE02(D/S)	12	8.363	5.994	0.365	0.190	0.186	0.186	6117	------	---	---	---	---	0.365	--	0	-----
CD3ATE02(BR.)	12	2.027	1.453	0.365	0.323	0.186	0.186	825899	------	---	---	---	---	0.365	--	0	-----
CD3ARD02(L/E)	7	2.087	1.496	0.365	0.321	0.186	0.186	794983	------	---	---	---	---	0.365	--	0	-----
CD3ARD02(S/E)	7	2.540	1.821	0.322	0.269	0.149	0.149	576929	------	---	---	---	---	0.322	--	0	-----
CD3AEL03	4	2.937	2.105	0.322	0.260	0.149	0.149	464348	------	---	---	---	---	0.322	--	0	-----
CD3AVA01	22	3.969	2.845	0.322	0.239	0.159	0.159	244757	------	---	---	---	---	0.322	--	0	-----
CD3ARD03(L/E)	18	1.789	1.282	0.365	0.328	0.186	0.186	970175	------	---	---	---	---	0.365	--	0	-----
CD3ARD03(S/E)	18	2.222	1.593	0.322	0.275	0.149	0.149	695943	------	---	---	---	---	0.322	--	0	-----
CD3ASP02	68	1.490	1.068	0.365	0.334	0.186	0.186	1215444	------	---	---	---	---	0.365	--	0	-----
CD3AEL04	2	2.206	1.581	0.365	0.319	0.186	0.186	738164	------	---	---	---	---	0.365	--	0	-----
CD3ASP03	52	1.490	1.068	0.365	0.334	0.186	0.186	1215444	------	---	---	---	---	0.365	--	0	-----
CD3AEL05	1	1.967	1.410	0.365	0.324	0.186	0.186	858690	------	---	---	---	---	0.365	--	0	-----
CD3ASP04	51	1.312	0.940	0.365	0.338	0.186	0.186	1416118	------	---	---	---	---	0.365	--	0	-----
CD3AEL06	1	1.967	1.410	0.365	0.324	0.186	0.186	858690	------	---	---	---	---	0.365	--	0	-----
CD3ASP05	51	1.312	0.940	0.365	0.338	0.186	0.186	1416118	------	---	---	---	---	0.365	--	0	-----
CD3AVA02	22	3.969	2.845	0.322	0.239	0.159	0.159	244757	------	---	---	---	---	0.322	--	0	-----
CD3ASP07	58	1.312	0.940	0.365	0.338	0.186	0.186	1416118	------	---	---	---	---	0.365	--	0	-----

===>Grouped by Line: 028-10"-CD-03B, No Sorting.

OUTLET DEMIN B	31	2.376	1.703	0.375	0.325	0.220	0.220	540893	------	---	---	---	---	0.375	--	0	-----
CD3BEL01	4	1.758	1.260	0.375	0.338	0.220	0.220	820941	------	---	---	---	---	0.375	--	0	-----
CD3BRD01(L/E)	7	1.663	1.192	0.375	0.340	0.220	0.220	882490	------	---	---	---	---	0.375	--	0	-----
CD3BRD01(S/E)	7	1.908	1.367	0.365	0.325	0.186	0.186	893529	------	---	---	---	---	0.365	--	0	-----
CD3BEL02	3	2.087	1.496	0.365	0.321	0.186	0.186	794983	------	---	---	---	---	0.365	--	0	-----
CD3BSP01	53	1.490	1.068	0.365	0.334	0.186	0.186	1215444	------	---	---	---	---	0.365	--	0	-----
CD3BTE01(U/S)	12	2.444	1.752	0.365	0.314	0.186	0.186	641156	------	---	---	---	---	0.365	--	0	-----
CD3BTE01(D/S)	12	8.363	5.994	0.365	0.190	0.186	0.186	6117	------	---	---	---	---	0.365	--	0	-----
CD3BTE01(BR.)	12	2.027	1.453	0.365	0.323	0.186	0.186	825899	------	---	---	---	---	0.365	--	0	-----
CD3BTE02(U/S)	12	2.444	1.752	0.365	0.314	0.186	0.186	641156	------	---	---	---	---	0.365	--	0	-----
CD3BTE02(D/S)	12	8.363	5.994	0.365	0.190	0.186	0.186	6117	------	---	---	---	---	0.365	--	0	-----
CD3BTE02(BR.)	12	2.027	1.453	0.365	0.323	0.186	0.186	825899	------	---	---	---	---	0.365	--	0	-----
CD3BRD02(L/E)	7	2.087	1.496	0.365	0.321	0.186	0.186	794983	------	---	---	---	---	0.365	--	0	-----
CD3BRD02(S/E)	7	2.540	1.821	0.322	0.269	0.149	0.149	576929	------	---	---	---	---	0.322	--	0	-----
CD3BEL03	4	2.937	2.105	0.322	0.260	0.149	0.149	464348	------	---	---	---	---	0.322	--	0	-----
CD3BVA01	22	3.969	2.845	0.322	0.239	0.159	0.159	244757	------	---	---	---	---	0.322	--	0	-----
CD3BRD03(L/E)	18	1.789	1.282	0.365	0.328	0.186	0.186	970175	------	---	---	---	---	0.365	--	0	-----
CD3BRD03(S/E)	18	2.222	1.593	0.322	0.275	0.149	0.149	695943	------	---	---	---	---	0.322	--	0	-----
CD3BSP02	68	1.490	1.068	0.365	0.334	0.186	0.186	1215444	------	---	---	---	---	0.365	--	0	-----
CD3BEL04	2	2.206	1.581	0.365	0.319	0.186	0.186	738164	------	---	---	---	---	0.365	--	0	-----
CD3BSP03	52	1.490	1.068	0.365	0.334	0.186	0.186	1215444	------	---	---	---	---	0.365	--	0	-----
CD3BEL05	1	1.967	1.410	0.365	0.324	0.186	0.186	858690	------	---	---	---	---	0.365	--	0	-----
CD3BSP04	51	1.312	0.940	0.365	0.338	0.186	0.186	1416118	------	---	---	---	---	0.365	--	0	-----
CD3BVA02	22	3.969	2.845	0.322	0.239	0.159	0.159	244757	------	---	---	---	---	0.322	--	0	-----
CD3BSP05	58	1.312	0.940	0.365	0.338	0.186	0.186	1416118	------	---	---	---	---	0.365	--	0	-----

===>Grouped by Line: 028-10"-CD-03C, No Sorting.

OUTLET DEMIN C	31	2.376	1.703	0.375	0.325	0.220	0.220	540893	------	---	---	---	---	0.375	--	0	-----
CD3CEL01	4	1.758	1.260	0.375	0.338	0.220	0.220	820941	------	---	---	---	---	0.375	--	0	-----
CD3CRD01(L/E)	7	1.663	1.192	0.375	0.340	0.220	0.220	882490	------	---	---	---	---	0.375	--	0	-----
CD3CRD01(S/E)	7	1.908	1.367	0.365	0.325	0.186	0.186	893529	------	---	---	---	---	0.365	--	0	-----
CD3CEL02	3	2.087	1.496	0.365	0.321	0.186	0.186	794983	------	---	---	---	---	0.365	--	0	-----
CD3CSP01	53	1.490	1.068	0.365	0.334	0.186	0.186	1215444	------	---	---	---	---	0.365	--	0	-----
CD3CTE01(U/S)	12	2.444	1.752	0.365	0.314	0.186	0.186	641156	------	---	---	---	---	0.365	--	0	-----
CD3CTE01(D/S)	12	8.363	5.994	0.365	0.190	0.186	0.186	6117	------	---	---	---	---	0.365	--	0	-----
CD3CTE01(BR.)	12	2.027	1.453	0.365	0.323	0.186	0.186	825899	------	---	---	---	---	0.365	--	0	-----

CD3CTE02(U	12	2.444	1.752	0.365	0.314	0.186	0.186	641156	------	---	---	---	---	0.365	--		-----
CD3CTE02(D/	12	8.363	5.994	0.365	0.190	0.186	0.186	6117	------	---	---	---	---	0.365	--	0	-----
CD3CTE02(BR.)	12	2.027	1.453	0.365	0.323	0.186	0.186	825899	------	---	---	---	---	0.365	--	0	-----
CD3CRD02(L/E)	7	2.087	1.496	0.365	0.321	0.186	0.186	794983	------	---	---	---	---	0.365	--	0	-----
CD3CRD02(S/E)	7	2.540	1.821	0.322	0.269	0.149	0.149	576929	------	---	---	---	---	0.322	--	0	-----
CD3CEL03	4	2.937	2.105	0.322	0.260	0.149	0.149	464348	------	---	---	---	---	0.322	--	0	-----
CD3CVA01	22	3.969	2.845	0.322	0.239	0.159	0.159	244757	------	---	---	---	---	0.322	--	0	-----
CD3CRD03(L/E)	18	1.789	1.282	0.365	0.328	0.186	0.186	970175	------	---	---	---	---	0.365	--	0	-----
CD3CRD03(S/E)	18	2.222	1.593	0.322	0.275	0.149	0.149	695943	------	---	---	---	---	0.322	--	0	-----
CD3CSP02	68	1.490	1.068	0.365	0.334	0.186	0.186	1215444	------	---	---	---	---	0.365	--	0	-----
CD3CEL04	2	2.206	1.581	0.365	0.319	0.186	0.186	738164	------	---	---	---	---	0.365	--	0	-----
CD3CSP03	52	1.490	1.068	0.365	0.334	0.186	0.186	1215444	------	---	---	---	---	0.365	--	0	-----
CD3CEL05	1	1.967	1.410	0.365	0.324	0.186	0.186	858690	------	---	---	---	---	0.365	--	0	-----
CD3CSP04	51	1.312	0.940	0.365	0.338	0.186	0.186	1416118	------	---	---	---	---	0.365	--	0	-----
CD3CVA02	22	3.969	2.845	0.322	0.239	0.159	0.159	244757	------	---	---	---	---	0.322	--	0	-----
CD3CSP05	58	1.312	0.940	0.365	0.338	0.186	0.186	1416118	------	---	---	---	---	0.365	--	0	-----

===>Grouped by Line: 028-10"-CD-03D, No Sorting.

OUTLET DEMIN D	31	2.376	1.703	0.375	0.325	0.220	0.220	540893	------	---	---	---	---	0.375	--	0	-----
CD3DEL01	4	1.758	1.260	0.375	0.338	0.220	0.220	820941	------	---	---	---	---	0.375	--	0	-----
CD3DRD01(L/E)	7	1.663	1.192	0.375	0.340	0.220	0.220	882490	------	---	---	---	---	0.375	--	0	-----
CD3DRD01(S/E)	7	1.908	1.367	0.365	0.325	0.186	0.186	893529	------	---	---	---	---	0.365	--	0	-----
CD3DEL02	3	2.087	1.496	0.365	0.321	0.186	0.186	794983	------	---	---	---	---	0.365	--	0	-----
CD3DSP01	53	1.490	1.068	0.365	0.334	0.186	0.186	1215444	------	---	---	---	---	0.365	--	0	-----
CD3DTE01(U/S)	12	2.444	1.752	0.365	0.314	0.186	0.186	641156	------	---	---	---	---	0.365	--	0	-----
CD3DTE01(D/S)	12	8.363	5.994	0.365	0.190	0.186	0.186	6117	------	---	---	---	---	0.365	--	0	-----
CD3DTE01(BR.)	12	2.027	1.453	0.365	0.323	0.186	0.186	825899	------	---	---	---	---	0.365	--	0	-----
CD3DTE02(U/S)	12	2.444	1.752	0.365	0.314	0.186	0.186	641156	------	---	---	---	---	0.365	--	0	-----
CD3DTE02(D/S)	12	8.363	5.994	0.365	0.190	0.186	0.186	6117	------	---	---	---	---	0.365	--	0	-----
CD3DTE02(BR.)	12	2.027	1.453	0.365	0.323	0.186	0.186	825899	------	---	---	---	---	0.365	--	0	-----
CD3DRD02(L/E)	7	2.087	1.496	0.365	0.321	0.186	0.186	794983	------	---	---	---	---	0.365	--	0	-----
CD3DRD02(S/E)	7	2.540	1.821	0.322	0.269	0.149	0.149	576929	------	---	---	---	---	0.322	--	0	-----
CD3DEL03	4	2.937	2.105	0.322	0.260	0.149	0.149	464348	------	---	---	---	---	0.322	--	0	-----
CD3DVA01	22	3.969	2.845	0.322	0.239	0.159	0.159	244757	------	---	---	---	---	0.322	--	0	-----
CD3DRD03(L/E)	18	1.789	1.282	0.365	0.328	0.186	0.186	970175	------	---	---	---	---	0.365	--	0	-----
CD3DRD03(S/E)	18	2.222	1.593	0.322	0.275	0.149	0.149	695943	------	---	---	---	---	0.322	--	0	-----
CD3DSP02	68	1.490	1.068	0.365	0.334	0.186	0.186	1215444	------	---	---	---	---	0.365	--	0	-----
CDDCEL04	2	2.206	1.581	0.365	0.319	0.186	0.186	738164	------	---	---	---	---	0.365	--	0	-----
CD3DSP03	52	1.490	1.068	0.365	0.334	0.186	0.186	1215444	------	---	---	---	---	0.365	--	0	-----
CD3DEL05	1	1.967	1.410	0.365	0.324	0.186	0.186	858690	------	---	---	---	---	0.365	--	0	-----
CD3DSP04	51	1.312	0.940	0.365	0.338	0.186	0.186	1416118	------	---	---	---	---	0.365	--	0	-----
CD3DVA02	22	3.969	2.845	0.322	0.239	0.159	0.159	244757	------	---	---	---	---	0.322	--	0	-----
CD3DSP05	58	1.312	0.940	0.365	0.338	0.186	0.186	1416118	------	---	---	---	---	0.365	--	0	-----

===>Grouped by Line: 028-10"-CD-03E, No Sorting.

OUTLET DEMIN E	31	2.376	1.703	0.375	0.325	0.220	0.220	540893	------	---	---	---	---	0.375	--	0	-----
CD3EEL01	4	1.758	1.260	0.375	0.338	0.220	0.220	820941	------	---	---	---	---	0.375	--	0	-----
CD3ERD01(L/E)	7	1.663	1.192	0.375	0.340	0.220	0.220	882490	------	---	---	---	---	0.375	--	0	-----
CD3ERD01(S/E)	7	1.908	1.367	0.365	0.325	0.186	0.186	893529	------	---	---	---	---	0.365	--	0	-----
CD3EEL02	3	2.087	1.496	0.365	0.321	0.186	0.186	794983	------	---	---	---	---	0.365	--	0	-----
CD3ESP01	53	1.490	1.068	0.365	0.334	0.186	0.186	1215444	------	---	---	---	---	0.365	--	0	-----
CD3ETE01(U/S)	12	2.444	1.752	0.365	0.314	0.186	0.186	641156	------	---	---	---	---	0.365	--	0	-----
CD3ETE01(D/S)	12	8.363	5.994	0.365	0.190	0.186	0.186	6117	------	---	---	---	---	0.365	--	0	-----
CD3ETE01(BR.)	12	2.027	1.453	0.365	0.323	0.186	0.186	825899	------	---	---	---	---	0.365	--	0	-----
CD3ETE02(U/S)	12	2.444	1.752	0.365	0.314	0.186	0.186	641156	------	---	---	---	---	0.365	--	0	-----
CD3ETE02(D/S)	12	8.363	5.994	0.365	0.190	0.186	0.186	6117	------	---	---	---	---	0.365	--	0	-----
CD3ETE02(BR.)	12	2.027	1.453	0.365	0.323	0.186	0.186	825899	------	---	---	---	---	0.365	--	0	-----
CD3ERD02(L/E)	7	2.087	1.496	0.365	0.321	0.186	0.186	794983	------	---	---	---	---	0.365	--	0	-----
CD3ERD02(S/E)	7	2.540	1.821	0.322	0.269	0.149	0.149	576929	------	---	---	---	---	0.322	--	0	-----
CD3EEL03	4	2.937	2.105	0.322	0.260	0.149	0.149	464348	------	---	---	---	---	0.322	--	0	-----
CD3ESP02	52	1.984	1.422	0.322	0.280	0.149	0.149	810196	------	---	---	---	---	0.322	--	0	-----
CD3EEL04	2	2.937	2.105	0.322	0.260	0.149	0.149	464348	------	---	---	---	---	0.322	--	0	-----
CD3EVA01	22	3.969	2.845	0.322	0.239	0.159	0.159	244757	------	---	---	---	---	0.322	--	0	-----
CD3ERD03(L/E)	18	1.789	1.282	0.365	0.328	0.186	0.186	970175	------	---	---	---	---	0.365	--	0	-----
CD3ERD03(S/E)	18	2.222	1.593	0.322	0.275	0.149	0.149	695943	------	---	---	---	---	0.322	--	0	-----
CD3ESP03	68	1.490	1.068	0.365	0.334	0.186	0.186	1215444	------	---	---	---	---	0.365	--	0	-----
CD3EEL05	2	2.206	1.581	0.365	0.319	0.186	0.186	738164	------	---	---	---	---	0.365	--	0	-----
CD3ESP04	52	1.490	1.068	0.365	0.334	0.186	0.186	1215444	------	---	---	---	---	0.365	--	0	-----
CD3EEL06	2	2.206	1.581	0.365	0.319	0.186	0.186	738164	------	---	---	---	---	0.365	--	0	-----
CD3EVA02	22	3.969	2.845	0.322	0.239	0.159	0.159	244757	------	---	---	---	---	0.322	--	0	-----
CD3ESP05	58	1.312	0.940	0.365	0.338	0.186	0.186	1416118	------	---	---	---	---	0.365	--	0	-----

===>Grouped by Line: 028-16"-CD-02, No Sorting.

CD02RD02(L/E)	7	0.008	0.006	0.688	0.688	0.414	0.414	99000000	------	---	---	---	---	0.688	--	0	-----
CD02RD02(S/E)	7	0.015	0.011	0.500	0.500	0.276	0.276	176352512	------	---	---	---	---	0.500	--	0	-----

CD02SP01	57	0.012	0.009	0.500	0.500	0.276	0.2[illegible]	99000000	------	---	---	---	---	0.500	--		-----
CD02EL01	2	0.018	0.013	0.500	0.500	0.276	0.276	152486464	------	---	---	---	---	0.500	--	0	-----
CD02SP02	52	0.012	0.009	0.500	0.500	0.276	0.276	99000000	------	---	---	---	---	0.500	--	0	-----
CD02EL02	2	0.018	0.013	0.500	0.500	0.276	0.276	152486464	------	---	---	---	---	0.500	--	0	-----
CD02SP03	52	0.012	0.009	0.500	0.500	0.276	0.276	99000000	------	---	---	---	---	0.500	--	0	-----
CD02EL03	2	0.018	0.013	0.500	0.500	0.276	0.276	152486464	------	---	---	---	---	0.500	--	0	-----
CD02SP04	52	0.012	0.009	0.500	0.500	0.276	0.276	99000000	------	---	---	---	---	0.500	--	0	-----
CD02VA01	23	0.024	0.017	0.500	0.499	0.296	0.296	102962024	------	---	---	---	---	0.500	--	0	-----
CD02SP05	58	0.011	0.008	0.500	0.500	0.276	0.276	99000000	------	---	---	---	---	0.500	--	0	-----
CD02EL04	2	0.018	0.013	0.500	0.500	0.276	0.276	152486464	------	---	---	---	---	0.500	--	0	-----
CD02TE01(U/S)	12	5.034	3.608	0.500	0.394	0.276	0.276	287326	------	---	---	---	---	0.500	--	0	-----
CD02TE01(D/S)	12	1.295	0.928	0.500	0.473	0.276	0.276	1857008	------	---	---	---	---	0.500	--	0	-----
CD02TE01(BR.)	12	2.027	1.453	0.365	0.323	0.186	0.186	825899	------	---	---	---	---	0.365	--	0	-----
CD02SP06	62	0.632	0.453	0.500	0.487	0.276	0.276	4075843	------	---	---	---	---	0.500	--	0	-----

===>Grouped by Line: 028-24"-CD-03, No Sorting.

CD03RD01(L/E)	18	1.215	0.871	0.438	0.413	0.242	0.242	1719832	------	---	---	---	---	0.438	--	0	-----
CD03RD01(S/E)	18	1.669	1.197	0.365	0.330	0.186	0.186	1057771	------	---	---	---	---	0.365	--	0	-----
CD03TE01(U/S)	12	1.660	1.190	0.438	0.403	0.242	0.242	1189686	------	---	---	---	---	0.438	--	0	-----
CD03TE01(D/S)	12	2.564	1.838	0.438	0.384	0.242	0.242	679700	------	---	---	---	---	0.438	--	0	-----
CD03TE01(BR.)	12	2.027	1.453	0.365	0.323	0.186	0.186	825899	------	---	---	---	---	0.365	--	0	-----
CD03SP01	62	1.251	0.897	0.438	0.412	0.242	0.242	1662362	------	---	---	---	---	0.438	--	0	-----
CD03RD02(L/E)	18	1.586	1.137	0.500	0.467	0.276	0.276	1468707	------	---	---	---	---	0.500	--	0	-----
CD03RD02(S/E)	18	1.751	1.255	0.438	0.401	0.242	0.242	1114211	------	---	---	---	---	0.438	--	0	-----
CD03TE02(U/S)	12	2.168	1.554	0.500	0.455	0.276	0.276	1005936	------	---	---	---	---	0.500	--	0	-----
CD03TE02(D/S)	12	2.719	1.949	0.500	0.443	0.276	0.276	749976	------	---	---	---	---	0.500	--	0	-----
CD03TE02(BR.)	12	2.027	1.453	0.365	0.323	0.186	0.186	825899	------	---	---	---	---	0.365	--	0	-----
CD03SP02	62	1.326	0.951	0.500	0.472	0.276	0.276	1806427	------	---	---	---	---	0.500	--	0	-----
CD03RD03(L/E)	18	1.135	0.813	0.688	0.664	0.414	0.414	2692916	------	---	---	---	---	0.688	--	0	-----
CD03RD03(S/E)	18	1.857	1.331	0.500	0.461	0.276	0.276	1217114	------	---	---	---	---	0.500	--	0	-----
CD03TE03(U/S)	12	1.551	1.112	0.688	0.655	0.414	0.414	1901698	------	---	---	---	---	0.688	--	0	-----
CD03TE03(D/S)	12	1.904	1.365	0.688	0.648	0.414	0.414	1500900	------	---	---	---	---	0.688	--	0	-----
CD03TE03(BR.)	12	2.027	1.453	0.365	0.323	0.186	0.186	825899	------	---	---	---	---	0.365	--	0	-----
CD03EL01	2	1.719	1.232	0.688	0.652	0.414	0.414	1690853	------	---	---	---	---	0.688	--	0	-----
CD03EL02	4	1.719	1.232	0.688	0.652	0.414	0.414	1690853	------	---	---	---	---	0.688	--	0	-----
CD03SP03	54	1.486	1.065	0.688	0.657	0.414	0.414	1995075	------	---	---	---	---	0.688	--	0	-----
CD03TE04(U/S)	12	1.904	1.365	0.688	0.648	0.414	0.414	1500900	------	---	---	---	---	0.688	--	0	-----
CD03TE04(D/S)	12	2.157	1.546	0.688	0.643	0.414	0.414	1294846	------	---	---	---	---	0.688	--	0	-----
CD03TE04(BR.)	12	1.074	0.770	0.500	0.477	0.276	0.276	2292071	------	---	---	---	---	0.500	--	0	-----
CD03SP04	62	1.052	0.754	0.688	0.666	0.414	0.414	2923412	------	---	---	---	---	0.688	--	0	-----

===>Grouped by Line: 029-20"-C-18, No Sorting.

CD18SP06	57	1.123	0.805	0.594	0.570	0.394	0.394	1923085	------	---	---	---	---	0.594	--	0	-----
CD18VA01	22	2.219	1.590	0.594	0.547	0.421	0.421	694879	------	---	---	---	---	0.594	--	0	-----
CD18SP07	58	0.988	0.709	0.594	0.573	0.394	0.394	2220256	------	---	---	---	---	0.594	--	0	-----
CD18EL08	2	1.662	1.192	0.594	0.559	0.394	0.394	1216300	------	---	---	---	---	0.594	--	0	-----
CD18SP08	52	1.123	0.805	0.594	0.570	0.394	0.394	1923085	------	---	---	---	---	0.594	--	0	-----
CD18EL09	3	1.573	1.127	0.594	0.561	0.394	0.394	1300442	------	---	---	---	---	0.594	--	0	-----
INLET E-5-1A	30	1.578	1.272	0.500	0.496	0.394	0.394	703227	------	---	---	---	---	0.500	--	160470	-----

===>Grouped by Line: 029-20"-C-19, No Sorting.

CD19SP01	62	0.899	0.644	0.594	0.575	0.394	0.394	2467899	------	---	---	---	---	0.594	--	0	-----
CD19VA01	22	2.219	1.590	0.594	0.547	0.421	0.421	694879	------	---	---	---	---	0.594	--	0	-----
CD19SP02	58	0.988	0.709	0.594	0.573	0.394	0.394	2220256	------	---	---	---	---	0.594	--	0	-----
CD19EL01	2	1.662	1.192	0.594	0.559	0.394	0.394	1216300	------	---	---	---	---	0.594	--	0	-----
CD19EL02	3	1.573	1.127	0.594	0.561	0.394	0.394	1300442	------	---	---	---	---	0.594	--	0	-----
INLET E-5-1B	30	1.578	1.272	0.500	0.496	0.394	0.394	703227	------	---	---	---	---	0.500	--	160470	-----

===>Grouped by Line: 029-24"-C-18, No Sorting.

CD18TE01(U/S)	12	3.002	2.152	0.688	0.625	0.472	0.472	621436	------	---	---	---	---	0.688	--	0	-----
CD18TE01(D/S)	12	2.152	1.542	0.688	0.643	0.472	0.472	968122	------	---	---	---	---	0.688	--	0	-----
CD18TE01(BR.)	12	1.784	1.279	0.688	0.651	0.472	0.472	1220182	------	---	---	---	---	0.688	--	0	-----
CD18SP01	62	1.050	0.752	0.688	0.666	0.472	0.472	2253626	------	---	---	---	---	0.688	--	0	-----
CD18TE02(U/S)	15	1.574	1.129	0.688	0.655	0.472	0.472	1417028	------	---	---	---	---	0.688	--	0	-----
CD18TE02(D/S)	15	1.574	1.129	0.688	0.655	0.472	0.472	1417028	------	---	---	---	---	0.688	--	0	-----
CD18EL01	3	1.837	1.317	0.688	0.649	0.472	0.472	1178000	------	---	---	---	---	0.688	--	0	-----
CD18EL02	3	1.837	1.317	0.688	0.649	0.472	0.472	1178000	------	---	---	---	---	0.688	--	0	-----
CD18SP02	53	1.312	0.940	0.688	0.660	0.472	0.472	1751667	------	---	---	---	---	0.688	--	0	-----
CD18EL03	1	1.732	1.241	0.688	0.652	0.472	0.472	1264919	------	---	---	---	---	0.688	--	0	-----
CD18SP03	51	1.155	0.828	0.688	0.664	0.472	0.472	2025463	------	---	---	---	---	0.688	--	0	-----
CD18EL04	1	1.732	1.241	0.688	0.652	0.472	0.472	1264919	------	---	---	---	---	0.688	--	0	-----
CD18SP04	51	1.155	0.828	0.688	0.664	0.472	0.472	2025463	------	---	---	---	---	0.688	--	0	-----
CD18SP04A	9	0.643	0.461	0.688	0.675	0.472	0.472	3841197	------	---	---	---	---	0.688	--	0	-----
CD18EL05	2	1.942	1.392	0.688	0.647	0.472	0.472	1100477	------	---	---	---	---	0.688	--	0	-----

CD18SP05	52	1.312	0.940	0.688	0.660	0.472	0.47	1751667	------	---	---	---	---	0.688	--		-----
CD18EL06	4	1.942	1.392	0.688	0.647	0.472	0.472	1100477	------	---	---	---	---	0.688	--	0	-----
CD18TE03(U/S)	14	2.887	2.069	0.688	0.627	0.472	0.472	656484	------	---	---	---	---	0.688	--	0	-----
CD18TE03(D/S)	14	1.771	1.270	0.688	0.651	0.472	0.472	1231207	------	---	---	---	---	0.688	--	0	-----
CD18TE03(BR.)	14	1.573	1.127	0.594	0.561	0.394	0.394	1300442	------	---	---	---	---	0.594	--	0	-----
CD18EL07	4	1.192	0.854	0.688	0.663	0.472	0.472	1954795	------	---	---	---	---	0.688	--	0	-----
CD18RD01(L/E)	7	1.127	0.808	0.688	0.664	0.472	0.472	2081135	------	---	---	---	---	0.688	--	0	-----
CD18RD01(S/E)	7	1.438	1.031	0.594	0.564	0.394	0.394	1446374	------	---	---	---	---	0.594	--	0	-----

===>Grouped by Line: 030-20"-C-25, No Sorting.

OUTLET E-5-1A	31	2.744	2.213	0.500	0.493	0.394	0.394	392127	------	---	---	---	---	0.500	--	160470	-----
CD25EL01	3	2.188	1.568	0.594	0.548	0.394	0.394	862569	------	---	---	---	---	0.594	--	0	-----
CD25EL02	4	2.313	1.658	0.594	0.546	0.394	0.394	802097	------	---	---	---	---	0.594	--	0	-----
CD25SP01	54	2.001	1.434	0.594	0.552	0.394	0.394	967450	------	---	---	---	---	0.594	--	0	-----
CD25SP01A	9	0.697	0.499	0.594	0.579	0.394	0.394	3257244	------	---	---	---	---	0.594	--	0	-----
CD25EL03	2	2.313	1.658	0.594	0.546	0.394	0.394	802097	------	---	---	---	---	0.594	--	0	-----
CD25SP02	52	1.563	1.120	0.594	0.561	0.394	0.394	1310064	------	---	---	---	---	0.594	--	0	-----
CD25EL04	2	2.313	1.658	0.594	0.546	0.394	0.394	802097	------	---	---	---	---	0.594	--	0	-----
CD25SP03	52	1.563	1.120	0.594	0.561	0.394	0.394	1310064	------	---	---	---	---	0.594	--	0	-----
CD25EL05	2	2.313	1.658	0.594	0.546	0.394	0.394	802097	------	---	---	---	---	0.594	--	0	-----
CD25SP04	52	1.563	1.120	0.594	0.561	0.394	0.394	1310064	------	---	---	---	---	0.594	--	0	-----
CD25SP04A	9	0.697	0.499	0.594	0.579	0.394	0.394	3257244	------	---	---	---	---	0.594	--	0	-----
CD25EL06	2	2.313	1.658	0.594	0.546	0.394	0.394	802097	------	---	---	---	---	0.594	--	0	-----
CD25SP05	52	1.563	1.120	0.594	0.561	0.394	0.394	1310064	------	---	---	---	---	0.594	--	0	-----
CD25EL07	2	2.313	1.658	0.594	0.546	0.394	0.394	802097	------	---	---	---	---	0.594	--	0	-----
CD25SP06	52	1.563	1.120	0.594	0.561	0.394	0.394	1310064	------	---	---	---	---	0.594	--	0	-----
CD25EL08	2	2.313	1.658	0.594	0.546	0.394	0.394	802097	------	---	---	---	---	0.594	--	0	-----
CD25SP07	52	1.563	1.120	0.594	0.561	0.394	0.394	1310064	------	---	---	---	---	0.594	--	0	-----
CD25EL09	1	2.063	1.479	0.594	0.551	0.394	0.394	930371	------	---	---	---	---	0.594	--	0	-----
CD25EL10	4	2.313	1.658	0.594	0.546	0.394	0.394	802097	------	---	---	---	---	0.594	--	0	-----
CD27EL11	3	2.188	1.568	0.594	0.548	0.394	0.394	862569	------	---	---	---	---	0.594	--	0	-----
INLET NOZZLE E-4-1A	30	2.039	1.846	0.812	0.801	0.394	0.394	1933671	------	---	---	---	---	0.812	--	137270	-----

===>Grouped by Line: 031-20"-C-26, No Sorting.

OUTLET E-5-1B	31	2.744	2.213	0.500	0.493	0.394	0.394	392127	------	---	---	---	---	0.500	--	160470	-----
CD26EL01	4	2.313	1.658	0.594	0.546	0.394	0.394	802097	------	---	---	---	---	0.594	--	0	-----
CD26SP01	54	2.001	1.434	0.594	0.552	0.394	0.394	967450	------	---	---	---	---	0.594	--	0	-----
CD26EL02	2	2.313	1.658	0.594	0.546	0.394	0.394	802097	------	---	---	---	---	0.594	--	0	-----
CD26SP02	52	1.563	1.120	0.594	0.561	0.394	0.394	1310064	------	---	---	---	---	0.594	--	0	-----
CD26EL03	2	2.313	1.658	0.594	0.546	0.394	0.394	802097	------	---	---	---	---	0.594	--	0	-----
CD26SP03	52	1.563	1.120	0.594	0.561	0.394	0.394	1310064	------	---	---	---	---	0.594	--	0	-----
CD26EL04	2	2.313	1.658	0.594	0.546	0.394	0.394	802097	------	---	---	---	---	0.594	--	0	-----
CD26SP04	52	1.563	1.120	0.594	0.561	0.394	0.394	1310064	------	---	---	---	---	0.594	--	0	-----
CD26SP04A	9	0.697	0.499	0.594	0.579	0.394	0.394	3257244	------	---	---	---	---	0.594	--	0	-----
CD26EL05	1	2.063	1.479	0.594	0.551	0.394	0.394	930371	------	---	---	---	---	0.594	--	0	-----
CD26EL06	4	2.313	1.658	0.594	0.546	0.394	0.394	802097	------	---	---	---	---	0.594	--	0	-----
CD26SP05	54	2.001	1.434	0.594	0.552	0.394	0.394	967450	------	---	---	---	---	0.594	--	0	-----
CD26EL07	2	2.313	1.658	0.594	0.546	0.394	0.394	802097	------	---	---	---	---	0.594	--	0	-----
CD26SP06	52	1.563	1.120	0.594	0.561	0.394	0.394	1310064	------	---	---	---	---	0.594	--	0	-----
CD26SP06A	9	0.697	0.499	0.594	0.579	0.394	0.394	3257244	------	---	---	---	---	0.594	--	0	-----
CD26EL08	1	2.063	1.479	0.594	0.551	0.394	0.394	930371	------	---	---	---	---	0.594	--	0	-----
CD26SP07	51	1.375	0.986	0.594	0.565	0.394	0.394	1523641	------	---	---	---	---	0.594	--	0	-----
CD26EL09	2	2.313	1.658	0.594	0.546	0.394	0.394	802097	------	---	---	---	---	0.594	--	0	-----
CD26SP08	52	1.563	1.120	0.594	0.561	0.394	0.394	1310064	------	---	---	---	---	0.594	--	0	-----
CD26EL10	1	2.063	1.479	0.594	0.551	0.394	0.394	930371	------	---	---	---	---	0.594	--	0	-----
CD26EL11	4	2.313	1.658	0.594	0.546	0.394	0.394	802097	------	---	---	---	---	0.594	--	0	-----
CD26EL12	3	2.188	1.568	0.594	0.548	0.394	0.394	862569	------	---	---	---	---	0.594	--	0	-----
INLET NOZZLE E-4-1B	30	2.039	1.846	0.812	0.801	0.394	0.394	1933671	------	---	---	---	---	0.812	--	137270	-----

===>Grouped by Line: 032-20"-C-27, No Sorting.

OUTLET NOZZLE E-4-1A	31	4.328	3.918	0.812	0.789	0.394	0.394	884039	------	---	---	---	---	0.812	--	137270	-----
CD27EL01	3	3.715	2.663	0.594	0.516	0.394	0.394	402746	------	---	---	---	---	0.594	--	0	-----
CD27SP01	53	2.654	1.902	0.594	0.538	0.394	0.394	666311	------	---	---	---	---	0.594	--	0	-----
CD27EL02	4	3.927	2.815	0.594	0.512	0.394	0.394	367129	------	---	---	---	---	0.594	--	0	-----
CD27SP02	54	3.397	2.435	0.594	0.523	0.394	0.394	464519	------	---	---	---	---	0.594	--	0	-----
CD27EL03	2	3.927	2.815	0.594	0.512	0.394	0.394	367129	------	---	---	---	---	0.594	--	0	-----
CD27SP03	52	2.654	1.902	0.594	0.538	0.394	0.394	666311	------	---	---	---	---	0.594	--	0	-----
CD27SP03A	9	1.192	0.855	0.594	0.569	0.394	0.394	1797159	------	---	---	---	---	0.594	--	0	-----
CD27EL04	2	3.927	2.815	0.594	0.512	0.394	0.394	367129	------	---	---	---	---	0.594	--	0	-----
CD27SP04	52	2.654	1.902	0.594	0.538	0.394	0.394	666311	------	---	---	---	---	0.594	--	0	-----
CD27EL05	1	3.503	2.511	0.594	0.521	0.394	0.394	442680	------	---	---	---	---	0.594	--	0	-----
CD27EL06	3	3.715	2.663	0.594	0.516	0.394	0.394	402746	------	---	---	---	---	0.594	--	0	-----
CD27SP05	53	2.654	1.902	0.594	0.538	0.394	0.394	666311	------	---	---	---	---	0.594	--	0	-----
CD27EL07	2	3.927	2.815	0.594	0.512	0.394	0.394	367129	------	---	---	---	---	0.594	--	0	-----
CD27SP06	52	2.654	1.902	0.594	0.538	0.394	0.394	666311	------	---	---	---	---	0.594	--	0	-----

CD27EL08	2	3.927	2.815	0.594	0.512	0.394	0.39	367129	------	---	---	---	---	0.594	--		-----
CD27EL09	4	3.927	2.815	0.594	0.512	0.394	0.394	367129	------	---	---	---	---	0.594	--	0	-----
CD27SP07	54	3.397	2.435	0.594	0.523	0.394	0.394	464519	------	---	---	---	---	0.594	--	0	-----
CD27EL10	2	3.927	2.815	0.594	0.512	0.394	0.394	367129	------	---	---	---	---	0.594	--	0	-----
CD27SP08	52	2.654	1.902	0.594	0.538	0.394	0.394	666311	------	---	---	---	---	0.594	--	0	-----
CD27EL11	1	3.503	2.511	0.594	0.521	0.394	0.394	442680	------	---	---	---	---	0.594	--	0	-----
CD27EL12	4	3.927	2.815	0.594	0.512	0.394	0.394	367129	------	---	---	---	---	0.594	--	0	-----
CD27EL13	3	3.715	2.663	0.594	0.516	0.394	0.394	402746	------	---	---	---	---	0.594	--	0	-----
INLET NOZZLE E-3-1A	30	3.595	3.043	0.594	0.570	0.394	0.394	508387	------	---	---	---	---	0.594	--	125911	-----

===>Grouped by Line: 033-20"-C-28, No Sorting.

OUTLET NOZZLE E-4-1B	31	4.328	3.918	0.812	0.789	0.394	0.394	884039	------	---	---	---	---	0.812	--	137270	-----
CD28SP01	61	2.866	2.054	0.594	0.534	0.394	0.394	597980	------	---	---	---	---	0.594	--	0	-----
CD28EL01	4	3.927	2.815	0.594	0.512	0.394	0.394	367129	------	---	---	---	---	0.594	--	0	-----
CD28EL02	4	3.927	2.815	0.594	0.512	0.394	0.394	367129	------	---	---	---	---	0.594	--	0	-----
CD28SP02	54	3.397	2.435	0.594	0.523	0.394	0.394	464519	------	---	---	---	---	0.594	--	0	-----
CD28SP02A	9	1.192	0.855	0.594	0.569	0.394	0.394	1797159	------	---	---	---	---	0.594	--	0	-----
CD28EL03	2	3.927	2.815	0.594	0.512	0.394	0.394	367129	------	---	---	---	---	0.594	--	0	-----
CD28EL04	4	3.927	2.815	0.594	0.512	0.394	0.394	367129	------	---	---	---	---	0.594	--	0	-----
CD28SP03	54	3.397	2.435	0.594	0.523	0.394	0.394	464519	------	---	---	---	---	0.594	--	0	-----
CD28EL05	2	3.927	2.815	0.594	0.512	0.394	0.394	367129	------	---	---	---	---	0.594	--	0	-----
CD28SP04	52	2.654	1.902	0.594	0.538	0.394	0.394	666311	------	---	---	---	---	0.594	--	0	-----
CD28EL06	2	3.927	2.815	0.594	0.512	0.394	0.394	367129	------	---	---	---	---	0.594	--	0	-----
CD28SP05	52	2.654	1.902	0.594	0.538	0.394	0.394	666311	------	---	---	---	---	0.594	--	0	-----
CD28EL07	2	3.927	2.815	0.594	0.512	0.394	0.394	367129	------	---	---	---	---	0.594	--	0	-----
CD28SP06	52	2.654	1.902	0.594	0.538	0.394	0.394	666311	------	---	---	---	---	0.594	--	0	-----
CD28EL08	1	3.503	2.511	0.594	0.521	0.394	0.394	442680	------	---	---	---	---	0.594	--	0	-----
CD28EL09	4	3.927	2.815	0.594	0.512	0.394	0.394	367129	------	---	---	---	---	0.594	--	0	-----
CD28EL10	3	3.715	2.663	0.594	0.516	0.394	0.394	402746	------	---	---	---	---	0.594	--	0	-----
INLET NOZZLE E-3-1B	30	3.595	3.043	0.594	0.570	0.394	0.394	508387	------	---	---	---	---	0.594	--	125911	-----

===>Grouped by Line: 034-20"-C-29, No Sorting.

OUTLET NOZZLE E-3-1A	31	6.764	5.727	0.594	0.549	0.394	0.394	238233	------	---	---	---	---	0.594	--	125911	-----
CD29EL01	4	5.912	4.238	0.594	0.470	0.394	0.394	157879	------	---	---	---	---	0.594	--	0	-----
CD29SP01	54	5.113	3.665	0.594	0.487	0.394	0.394	222574	------	---	---	---	---	0.594	--	0	-----
CD29VA01	22	7.890	5.655	0.594	0.429	0.421	0.421	11259	------	---	---	---	---	0.594	--	0	-----
CD29EL02	4	5.912	4.238	0.594	0.485	0.394	0.394	188451	------	---	---	---	---	0.526	MT	114614	-----
CD29SP02 US	54	5.113	3.665	0.594	0.537	0.394	0.394	------	342872	64.3	39.0	64.3	39.0	0.580	MT	102975	102975
CD29SP02 DS	54	5.113	3.665	0.594	0.487	0.394	0.394	222574	------	---	---	---	---	0.594	--	0	-----
CD29EL03	4	5.912	4.238	0.594	0.624	0.394	0.394	------	477011	74.4	125.0	74.4	125.0	0.674	MT	102975	102975
CD29SP03 US	54	5.113	3.665	0.594	0.537	0.394	0.394	------	342872	64.3	36.0	64.3	36.0	0.580	MT	102975	102975
CD29SP03 DS	54	5.113	3.665	0.594	0.535	0.394	0.394	------	338092	64.3	59.0	64.3	59.0	0.578	MT	102975	102975

===>Grouped by Line: 035-20"-C-30, No Sorting.

OUTLET NOZZLE E-3-1B	31	6.764	5.727	0.594	0.549	0.394	0.394	238233	------	---	---	---	---	0.594	--	125911	-----
CD30EL01	4	5.912	4.238	0.594	0.470	0.394	0.394	157879	------	---	---	---	---	0.594	--	0	-----
CD30VA01	22	7.890	5.655	0.594	0.429	0.421	0.421	11259	------	---	---	---	---	0.594	--	0	-----
CD30EL02	4	5.912	4.238	0.594	0.470	0.394	0.394	157879	------	---	---	---	---	0.594	--	0	-----
CD30EL03	4	5.912	4.238	0.594	0.470	0.394	0.394	157879	------	---	---	---	---	0.594	--	0	-----
CD30SP01 US	54	5.113	3.665	0.594	0.487	0.394	0.394	222574	------	---	---	---	---	0.594	--	0	-----
CD30SP01 DS	54	5.113	3.665	0.594	0.487	0.394	0.394	222574	------	---	---	---	---	0.594	--	0	-----
CD30EL04	2	5.912	4.238	0.594	0.470	0.394	0.394	157879	------	---	---	---	---	0.594	--	0	-----
CD30SP02 US	52	3.995	2.863	0.594	0.510	0.394	0.394	356622	------	---	---	---	---	0.594	--	0	-----
CD30SP02 DS	52	3.995	2.863	0.594	0.510	0.394	0.394	356622	------	---	---	---	---	0.594	--	0	-----

===>Grouped by Line: 036-24"-C-30, No Sorting.

SOME COMPONENT.

CD30RD01(L/E)	18	3.507	2.514	0.688	0.614	0.472	0.472	495018	------	---	---	---	---	0.688	--	0	-----
CD30RD01(S/E)	18	4.474	3.207	0.594	0.500	0.394	0.394	290966	------	---	---	---	---	0.594	--	0	-----
CD30TE01(U/S)	15	3.507	2.514	0.688	0.614	0.472	0.472	495018	------	---	---	---	---	0.688	--	0	-----
CD30TE01(D/S)	15	3.507	2.514	0.688	0.614	0.472	0.472	495018	------	---	---	---	---	0.688	--	0	-----
CD30SP03	65	2.338	1.676	0.688	0.639	0.472	0.472	870611	------	---	---	---	---	0.688	--	0	-----
CD30TE02(U/S)	14	6.429	4.609	0.688	0.553	0.472	0.472	153569	------	---	---	---	---	0.688	--	0	-----
CD30TE02(D/S)	14	10.292	7.377	0.688	0.472	0.472	0.472	-205	------	---	---	---	---	0.688	--	0	-----
CD30TE02(BR.)	14	5.593	4.009	0.594	0.477	0.394	0.394	181539	------	---	---	---	---	0.594	--	0	-----
CD30SP04 US	64	2.338	1.676	0.688	0.639	0.472	0.472	870611	------	---	---	---	---	0.688	--	0	-----
CD30SP04 DS	64	2.338	1.676	0.688	0.661	0.472	0.472	------	987779	29.4	30.0	29.4	30.0	0.681	MT	102975	102975
CD30TE03(U/S)	12	4.793	3.435	0.688	0.882	0.472	0.472	1043910	------	---	---	---	---	0.922	MT	102975	-----
CD30TE03(D/S)	12	7.652	5.485	0.688	0.895	0.472	0.472	674657	------	---	---	---	---	0.959	MT	102975	-----
CD30TE03(BR.)	12	5.433	3.894	0.594	0.480	0.394	0.394	194413	------	---	---	---	---	0.594	--	0	-----
CD30SP05 US	64	3.733	2.676	0.688	0.628	0.472	0.472	------	508382	47.0	53.0	47.0	53.0	0.659	MT	102975	102975
CD30SP05 DS	64	3.733	2.676	0.688	0.610	0.472	0.472	449568	------	---	---	---	---	0.688	--	0	-----
CD30EL05	1	6.159	4.415	0.688	0.559	0.472	0.472	171551	------	---	---	---	---	0.688	--	0	-----
CD30SP06	51	4.106	2.943	0.688	0.602	0.472	0.472	385410	------	---	---	---	---	0.688	--	0	-----
CD30EL06	3	6.532	4.682	0.688	0.551	0.472	0.472	147109	------	---	---	---	---	0.688	--	0	-----

CD30SP07	53	4.666	3.345	0.688	0.590	0.472	0.47	308421	------	---	---	---	---	0.688	--		-----
CD30TE04(U,	14	10.265	7.358	0.688	0.473	0.472	0.472	463	------	---	---	---	---	0.688	--	0	-----
CD30TE04(D/S,	14	6.429	4.609	0.688	0.553	0.472	0.472	153569	------	---	---	---	---	0.688	--	0	-----
CD30TE04(BR.)	14	5.593	4.009	0.594	0.477	0.394	0.394	181539	------	---	---	---	---	0.594	--	0	-----
CD30RD02(L/E)	7	4.091	2.933	0.688	0.602	0.472	0.472	387705	------	---	---	---	---	0.688	--	0	-----
CD30RD02(S/E)	7	5.113	3.665	0.594	0.487	0.394	0.394	222574	------	---	---	---	---	0.594	--	0	-----

===>Grouped by Line: 037-16"-C-30, No Sorting.

CD30EL13	4	7.861	5.634	0.500	0.335	0.315	0.315	31518	------	---	---	---	---	0.500	--	0	-----
INLET NOZZLE P-1-1A	30	8.498	6.091	0.500	0.322	0.315	0.315	9941	------	---	---	---	---	0.500	--	0	-----

===>Grouped by Line: 037-20"-C-30, No Sorting.

CD30SP08 US	57	3.995	2.863	0.594	0.510	0.394	0.394	356622	------	---	---	---	---	0.594	--	0	-----
CD30SP08 DS	57	3.995	2.863	0.594	0.510	0.394	0.394	356622	------	---	---	---	---	0.594	--	0	-----
CD30EL07	2	5.912	4.238	0.594	0.470	0.394	0.394	157879	------	---	---	---	---	0.594	--	0	-----
CD30VA02	22	7.890	5.655	0.594	0.429	0.421	0.421	11259	------	---	---	---	---	0.594	--	0	-----
CD30SP09	58	3.515	2.520	0.594	0.520	0.394	0.394	440184	------	---	---	---	---	0.594	--	0	-----
CD30EL08	3	5.593	4.009	0.594	0.477	0.394	0.394	181539	------	---	---	---	---	0.594	--	0	-----
CD30EL09	3	5.593	4.009	0.594	0.477	0.394	0.394	181539	------	---	---	---	---	0.594	--	0	-----
CD30SP10	53	3.995	2.863	0.594	0.510	0.394	0.394	356622	------	---	---	---	---	0.594	--	0	-----
CD30EL10	4	5.912	4.238	0.594	0.470	0.394	0.394	157879	------	---	---	---	---	0.594	--	0	-----
CD30SP11	54	5.113	3.665	0.594	0.487	0.394	0.394	222574	------	---	---	---	---	0.594	--	0	-----
CD30FE01	6	0.077	0.055	0.594	0.592	0.420	0.420	27347272	------	---	---	---	---	0.594	--	0	-----
CD30FE01A	56	3.954	2.834	0.594	0.816	0.460	0.460	------	1099613	49.7	50.0	49.7	50.0	0.849	MT	102975	102975
CD30EL11	3	5.593	4.009	0.594	0.653	0.394	0.394	------	566937	70.4	126.0	70.4	126.0	0.700	MT	102975	102975
CD30SP12	53	3.995	2.863	0.594	0.539	0.394	0.394	------	443076	50.3	35.0	50.3	35.0	0.572	MT	102975	102975
CD30EL12	4	5.912	4.238	0.594	0.590	0.394	0.394	------	406728	74.4	74.0	74.4	74.0	0.640	MT	102975	102975
CD30SP13	54	5.113	3.665	0.594	0.487	0.394	0.394	222574	------	---	---	---	---	0.594	--	0	-----
CD30RD03(L/E)	17	3.995	2.863	0.594	0.510	0.394	0.394	356622	------	---	---	---	---	0.594	--	0	-----
CD30RD03(S/E)	17	3.824	2.741	0.500	0.420	0.315	0.315	335186	------	---	---	---	---	0.500	--	0	-----

===>Grouped by Line: 038-16"-C-31, No Sorting.

CD31EL06	4	7.861	5.634	0.500	0.335	0.315	0.315	31518	------	---	---	---	---	0.500	--	0	-----
INLET NOZZLE P-1-1B	30	8.498	6.091	0.500	0.322	0.315	0.315	9941	------	---	---	---	---	0.500	--	0	-----

===>Grouped by Line: 038-20"-C-31, No Sorting.

CD31VA01	22	7.890	5.655	0.594	0.429	0.421	0.421	11259	------	---	---	---	---	0.594	--	0	-----
CD31SP01	58	3.515	2.520	0.594	0.520	0.394	0.394	440184	------	---	---	---	---	0.594	--	0	-----
CD31EL01	3	5.593	4.009	0.594	0.477	0.394	0.394	181539	------	---	---	---	---	0.594	--	0	-----
CD31EL02	3	5.593	4.009	0.594	0.477	0.394	0.394	181539	------	---	---	---	---	0.594	--	0	-----
CD31SP02	53	3.995	2.863	0.594	0.510	0.394	0.394	356622	------	---	---	---	---	0.594	--	0	-----
CD31EL03	4	5.912	4.238	0.594	0.470	0.394	0.394	157879	------	---	---	---	---	0.594	--	0	-----
CD31SP03	54	5.113	3.665	0.594	0.487	0.394	0.394	222574	------	---	---	---	---	0.594	--	0	-----
CD31FE01	6	0.077	0.055	0.594	0.592	0.420	0.420	27347272	------	---	---	---	---	0.594	--	0	-----
CD31FE01A	56	3.954	2.834	0.594	0.511	0.460	0.460	157647	------	---	---	---	---	0.594	--	0	-----
CD31EL04	3	5.593	4.009	0.594	0.477	0.394	0.394	181539	------	---	---	---	---	0.594	--	0	-----
CD31SP04	53	3.995	2.863	0.594	0.510	0.394	0.394	356622	------	---	---	---	---	0.594	--	0	-----
CD31EL05	4	5.912	4.238	0.594	0.470	0.394	0.394	157879	------	---	---	---	---	0.594	--	0	-----
CD31SP05	54	5.113	3.665	0.594	0.487	0.394	0.394	222574	------	---	---	---	---	0.594	--	0	-----
CD31RD01(L/E)	17	3.995	2.863	0.594	0.510	0.394	0.394	356622	------	---	---	---	---	0.594	--	0	-----
CD31RD01(S/E)	17	3.824	2.741	0.500	0.420	0.315	0.315	335186	------	---	---	---	---	0.500	--	0	-----

===>Grouped by Line: 039-16"-C-32, No Sorting.

CD32EL06	4	7.861	5.634	0.500	0.335	0.315	0.315	31518	------	---	---	---	---	0.500	--	0	-----
INLET NOZZLE P-1-1C	30	8.498	6.091	0.500	0.322	0.315	0.315	9941	------	---	---	---	---	0.500	--	0	-----

===>Grouped by Line: 039-20"-C-32, No Sorting.

CD32EL01	3	5.593	4.009	0.594	0.477	0.394	0.394	181539	------	---	---	---	---	0.594	--	0	-----
CD32EL02	3	5.593	4.009	0.594	0.477	0.394	0.394	181539	------	---	---	---	---	0.594	--	0	-----
CD32VA01	22	7.890	5.655	0.594	0.429	0.421	0.421	11259	------	---	---	---	---	0.594	--	0	-----
CD32EL03	4	5.912	4.238	0.594	0.470	0.394	0.394	157879	------	---	---	---	---	0.594	--	0	-----
CD32SP01	54	5.113	3.665	0.594	0.487	0.394	0.394	222574	------	---	---	---	---	0.594	--	0	-----
CD32FE01	6	0.077	0.055	0.594	0.592	0.420	0.420	27347272	------	---	---	---	---	0.594	--	0	-----
CD32FE01A	56	3.954	2.834	0.594	0.511	0.460	0.460	157647	------	---	---	---	---	0.594	--	0	-----
CD32EL04	3	5.593	4.009	0.594	0.477	0.394	0.394	181539	------	---	---	---	---	0.594	--	0	-----
CD32SP02	53	3.995	2.863	0.594	0.510	0.394	0.394	356622	------	---	---	---	---	0.594	--	0	-----
CD32EL05	4	5.912	4.238	0.594	0.470	0.394	0.394	157879	------	---	---	---	---	0.594	--	0	-----
CD32SP03	54	5.113	3.665	0.594	0.487	0.394	0.394	222574	------	---	---	---	---	0.594	--	0	-----
CD32RD01(L/E)	17	3.995	2.863	0.594	0.510	0.394	0.394	356622	------	---	---	---	---	0.594	--	0	-----
CD32RD01(S/E)	17	3.824	2.741	0.500	0.420	0.315	0.315	335186	------	---	---	---	---	0.500	--	0	-----

Notes:

[1] Predict are based on last Tmeas to analysis ending period.
[2] Predict are for the time of last inspection (last known meas. wear).
[3] GW = Tmeas is minimum thickness from Band, Blanket or Area Method of greatest wear.
MT = Tmeas is component minimum thickness.
PW = Tmeas is Tinit - predicted wear.
US = Tmeas is user specified.
[4] If no Tmeas has been determined from measured data, then Tmeas = Tinit and Time = current component installation time.
Tmeas is used to determine Predicted Thickness and Component Predicted Time to Tcrit.

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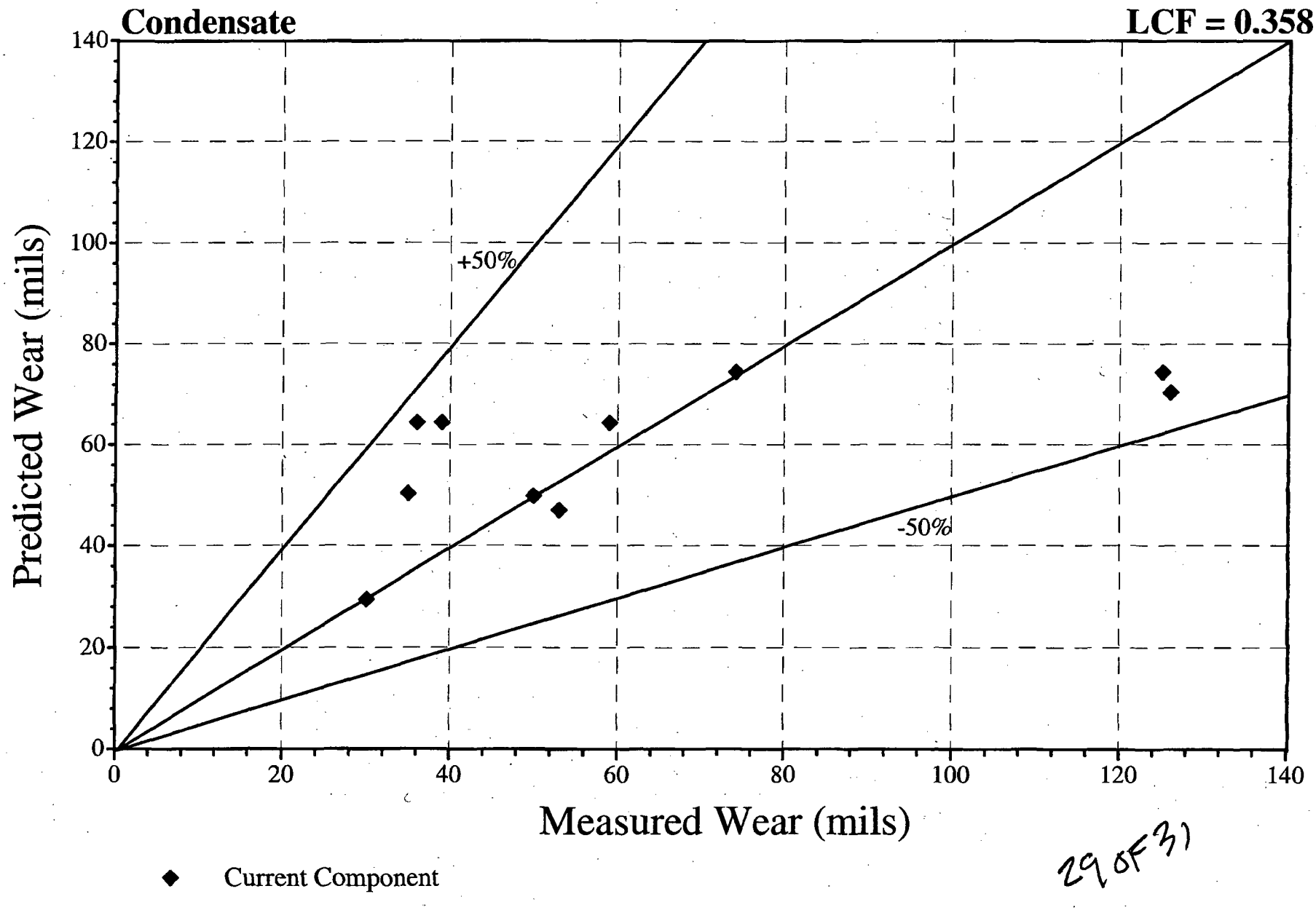
Comparison of Wear Predictions



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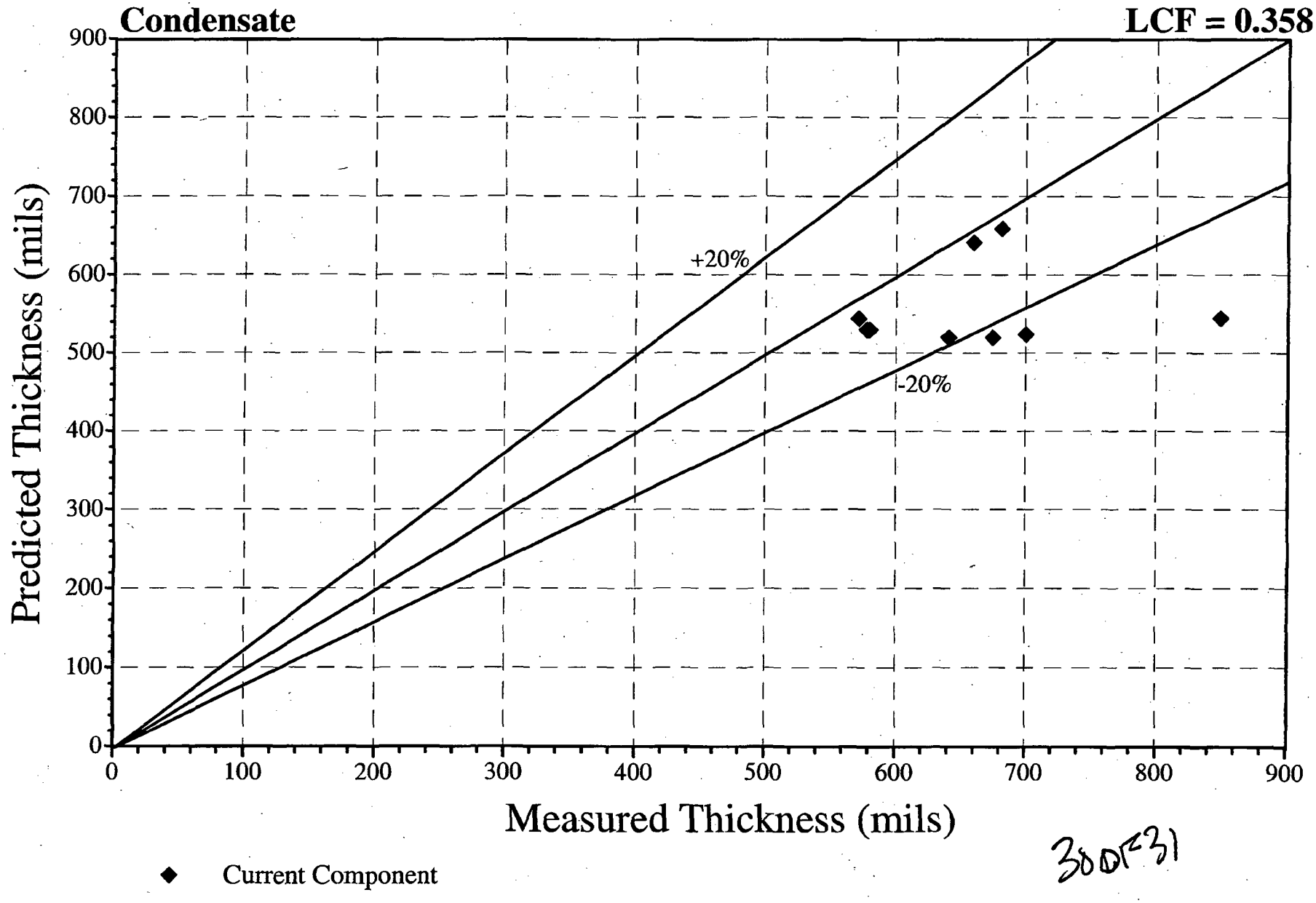
Comparison of Thickness Predictions



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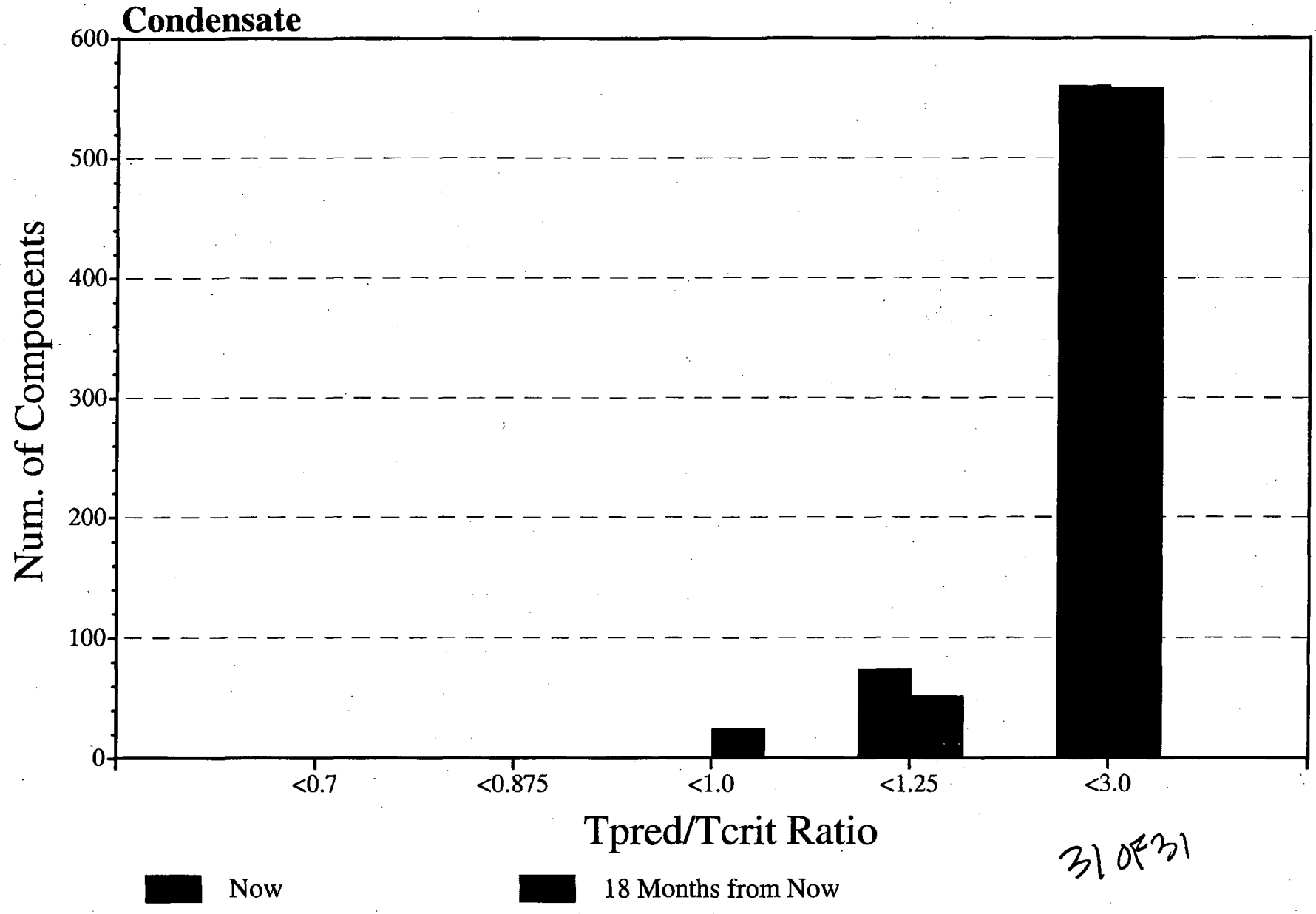
Tpred/Tcrit Ratio Plot



Company: V : Yankee Nuclear Power Corporation Report Date: 13-JUN-2000 Tim .14:50
Plant: Ver. Yankee Analysis Date: 13-JUN-2000 Time .:14:08
Unit: CHECWORKS FAC Version 1.0F (Build 52)
DB Name: VY

UP TO CYCLE 20 (1999 RFO)
UT DATA UP TO 1999 INCLUDED.

****
*** Wear Rate Analysis: Wear Predictions Report ***
****

Run Name: 1st Pt Heater Drain
Ending Period: Cycle 20
Total Plant Operating Hours: 183618 Duty Factor (Global): 1.000
WRA Data Option: Ignore NFA Exclude Measure Wear: No
Line Correction Factor: 263.654

Component Name	Total Lifetime Wear (mils) Prd.[1]	Total Lifetime Wear (mils) Meas.	In-Service Cmp. Wear (mils) Prd.[1]	In-Service Cmp. Wear (mils) Meas.	In-Service Cmp. Tmeas,Method,Time (in)[3]	[2]	(hrs)[3]	In-Service Cmp. Thickness(mils)[4] Tp	Tm	Incremental Wear(mils)[5] PRWEAR	Time(hrs) Last Inspected
===>Grouped by Line: 043-06"-HD-01A, No Sorting.											
===>Grouped by Line: 043-10"-HD-22A, No Sorting.											
HD1ARD03(L/E)	74.0	88.0	74.0	88.0	0.412	MT	125911	426.0	412.0	33.9	125911
INLET E-2-1A	98.7	80.0	98.7	80.0	0.600	MT	125911	401.3	600.0	45.2	125911
===>Grouped by Line: 050-06"-HD-01B, No Sorting.											
===>Grouped by Line: 050-10"-HD-22B, No Sorting.											

Notes:
[1] Predictions are for the time of last inspection (last known meas. wear).
[2] GW = Tmeas is minimum thickness from Band, Blanket or Area Method of greatest wear.
MT = Tmeas is component minimum thickness.
PW = Tmeas is Tinit - predicted wear.
US = Tmeas is user specified.
[3] If no Tmeas has been determined from measured data, then Tmeas = Tinit and Time = current component installation time.
Tmeas is used to determine Predicted Thickness and Component Predicted Time to Tcrit.
[4] These two values are used for thickness plot.
Tp = Predicted thickness at Tmeas.
Tm = Last measured thickness (Tmeas).
[5] PRWEAR = Incremental wear from last Tmeas time to analysis ending period.

1ST POINT HTR DRAIN

PG 1 OF 7

Company: V : Yankee Nuclear Power Corporation
Plant: Ver. /ankee
Unit:
DB Name: VY

Report Date: 13-JUN-2000 Tim 14:46
Analysis Date: 13-JUN-2000 Time 14:08
CHECWORKS FAC Version 1.0F (Build 52)

****
*** Wear Rate Analysis: Thickness/Service Time Report ***
****

Run Name: 1st Pt Heater Drain
Ending Period: Cycle 20
Total Plant Operating Hours: 183618
WRA Data Option: Ignore NBA
Line Correction Factor: 263.654

Duty Factor (Global): 1.000
Exclude Measure Wear: No

Component Name	Thickness (in) Init.	Prd.[1]	Thoop	Tcrit	Component Predicted[1] Time to Tcrit (hrs) Non-Inspected	Inspected	Component Actual Service Time (hrs)
===>Grouped by Line: 043-06"-HD-01A, No Sorting.							
HD1ASP01	0.322	0.080	0.071	0.071	6229	------	183618
HD1ARD01(L/E)	0.322	0.152	0.071	0.071	87593	------	183618
HD1ARD01(S/E)	0.280	0.022	0.055	0.055	-23674	------	183618
HD1ASP02 US	0.280	0.078	0.055	0.055	21110	------	183618
HD1ASP02 DS	0.280	0.078	0.055	0.055	21110	------	183618
HD1AEL01	0.280	-0.019	0.055	0.055	-45288	------	183618
HD1ASP03 US	0.280	0.078	0.055	0.055	21110	------	183618
HD1ASP03 DS	0.280	0.191	0.055	0.055	281674	------	183618
HD1AEL02	0.280	-0.019	0.055	0.055	-45288	------	183618
HD1ASP04 US	0.280	0.078	0.055	0.055	21110	------	183618
HD1ASP04 DS	0.280	0.078	0.055	0.055	21110	------	183618
HD1AEL03	0.280	-0.019	0.055	0.055	-45288	------	183618
HD1ASP05 US	0.280	0.078	0.055	0.055	21110	------	183618
HD1ASP05 DS	0.280	0.191	0.055	0.055	281674	------	183618
HD1AEL04	0.280	-0.019	0.055	0.055	-45288	------	183618
HD1ATE01(U/S)	0.280	0.038	0.055	0.055	-13011	------	183618
HD1ATE01(D/S)	0.280	0.038	0.055	0.055	-13011	------	183618
HD1ASP06 US	0.280	0.118	0.055	0.055	72292	------	183618
HD1ASP06 DS	0.280	0.191	0.055	0.055	281674	------	183618
HD1AEL05	0.280	-0.019	0.055	0.055	-45288	------	183618
HD1ASP07 US	0.280	0.078	0.055	0.055	21110	------	183618
HD1ASP07 DS	0.280	0.078	0.055	0.055	21110	------	183618
HD1AEL06	0.280	-0.019	0.055	0.055	-45288	------	183618
HD1ASP08 US	0.280	0.078	0.055	0.055	21110	------	183618
HD1ASP08 DS	0.280	0.191	0.055	0.055	281674	------	183618
HD1AEL07	0.280	-0.019	0.055	0.055	-45288	------	183618
HD1ASP09 US	0.280	0.078	0.055	0.055	21110	------	183618
HD1ASP09 DS	0.280	0.078	0.055	0.055	21110	------	183618
HD1AEL08	0.280	-0.019	0.055	0.055	-45288	------	183618
HD1ASP10 US	0.280	0.078	0.055	0.055	21110	------	183618
HD1ASP10 DS	0.280	0.191	0.055	0.055	281674	------	183618
HD1AEL09	0.280	-0.019	0.055	0.055	-45288	------	183618
HD1ASP11 US	0.280	0.078	0.055	0.055	21110	------	183618
HD1ASP11 DS	0.280	0.078	0.055	0.055	21110	------	183618
HD1AEL10	0.280	-0.019	0.055	0.055	-45288	------	183618
HD1ASP12 US	0.280	0.078	0.055	0.055	21110	------	183618
HD1ASP12 DS	0.280	0.191	0.055	0.055	281674	------	183618
HD1AEL11	0.280	-0.019	0.055	0.055	-45288	------	183618
HD1ASP13 US	0.280	0.078	0.055	0.055	21110	------	183618
HD1ASP13 DS	0.280	0.078	0.055	0.055	21110	------	183618
HD1ARD02(L/E)	0.280	0.078	0.055	0.055	21110	------	183618
HD1ARD02(S/E)	0.300	-0.117	0.029	0.029	-64396	------	183618
HD1AVA01	0.300	-0.859	0.031	0.031	-141023	------	183618
===>Grouped by Line: 043-10"-HD-22A, No Sorting.							
HD1ARD03(L/E)	0.500	0.378	0.089	0.089	------	491895	183618
HD1ARD03(S/E)	0.300	0.474	0.029	0.029	116757	------	183618
HD1ASP14	0.500	0.330	0.089	0.089	491558	------	183618
INLET E-2-1A	0.500	0.555	0.089	0.089	------	594406	183618
===>Grouped by Line: 050-06"-HD-01B, No Sorting.							
HD1BSP01	0.322	0.080	0.071	0.071	6229	------	183618
HD1BRD01(L/E)	0.322	0.152	0.071	0.071	87593	------	183618
HD1BRD01(S/E)	0.280	0.022	0.055	0.055	-23674	------	183618
HD1BSP02 US	0.280	0.078	0.055	0.055	21110	------	183618

Vowls

P420P7

HD1BSP02 D	0.280	0.078	0.055	0.055	21110	------	8
HD1BEL01	0.280	-0.019	0.055	0.055	-45288	------	[illegible]18
HD1BSP03 US	0.280	0.078	0.055	0.055	21110	------	183618
HD1BSP03 DS	0.280	0.191	0.055	0.055	281674	------	183618
HD1BEL02	0.280	-0.019	0.055	0.055	-45288	------	183618
HD1BSP04 US	0.280	0.078	0.055	0.055	21110	------	183618
HD1BSP04 DS	0.280	0.078	0.055	0.055	21110	------	183618
HD1BTE01(U/S)	0.280	-0.233	0.055	0.055	-103089	------	183618
HD1BTE01(D/S)	0.280	-0.051	0.055	0.055	-58783	------	183618
HD1BTE01(BR.)	0.280	0.005	0.055	0.055	-33082	------	183618
HD1BEL03	0.280	-0.019	0.055	0.055	-45288	------	183618
HD1BSP05	0.280	0.022	0.055	0.055	-23674	------	183618
HD1BSP06	0.280	0.191	0.055	0.055	281674	------	183618
HD1BEL04	0.280	-0.019	0.055	0.055	-45288	------	183618
HD1BSP07 US	0.280	0.078	0.055	0.055	21110	------	183618
HD1BSP07 DS	0.280	0.078	0.055	0.055	21110	------	183618
HD1BEL05	0.280	-0.019	0.055	0.055	-45288	------	183618
HD1BSP08 US	0.280	0.078	0.055	0.055	21110	------	183618
HD1BSP08 DS	0.280	0.191	0.055	0.055	281674	------	183618
HD1BEL06	0.280	-0.019	0.055	0.055	-45288	------	183618
HD1BSP09 US	0.280	0.078	0.055	0.055	21110	------	183618
HD1BSP09 DS	0.280	0.078	0.055	0.055	21110	------	183618
HD1BRD02(L/E)	0.280	0.078	0.055	0.055	21110	------	183618
HD1BRD02(S/E)	0.300	-0.117	0.029	0.029	-64396	------	183618
HD1BVA01	0.300	-0.859	0.031	0.031	-141023	------	183618

===>Grouped by Line: 050-10"-HD-22B, No Sorting. VDWS

HD1BRD03(L/E)	0.500	0.358	0.089	0.089	457313	------	183618
HD1BRD03(S/E)	0.300	0.184	0.029	0.029	40756	------	183618
HD1BSP10	0.500	0.304	0.089	0.089	439621	------	183618
INLET E-2-1A	0.500	0.356	0.089	0.089	340882	------	183618

Note:
[1] Predictions are based on last Tmeas to analysis ending period.

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Company: V : Yankee Nuclear Power Corporation Report Date: 13-JUN-2000 Tim 14:46
Plant: Ver. Yankee Analysis Date: 13-JUN-2000 Time :14:08
Unit: CHECWORKS FAC Version 1.0F (Build 52)
DB Name: VY

****
*** Wear Rate Analysis: Thickness/Service Time Report ***
****

Run Name: 1st Pt Heater Drain
Ending Period: Cycle 20
Total Plant Operating Hours: 183618 Duty Factor (Global): 1.000
WRA Data Option: Ignore NFA Exclude Measure Wear: No
Line Correction Factor: 263.654

Component Name	Thickness (in) Init.	Prd.[1]	Thoop	Tcrit	Component Predicted[1] Time to Tcrit (hrs) Non-Inspected	Inspected	Component Actual Service Time (hrs)
===>Grouped by Line: 043-06"-HD-01A, No Sorting.							
HD1ASP01	0.322	0.080	0.071	0.071	6229	------	183618
HD1ARD01(L/E)	0.322	0.152	0.071	0.071	87593	------	183618
HD1ARD01(S/E)	0.280	0.022	0.055	0.055	-23674	------	183618
HD1ASP02 US	0.280	0.078	0.055	0.055	21110	------	183618
HD1ASP02 DS	0.280	0.078	0.055	0.055	21110	------	183618
HD1AEL01	0.280	-0.019	0.055	0.055	-45288	------	183618
HD1ASP03 US	0.280	0.078	0.055	0.055	21110	------	183618
HD1ASP03 DS	0.280	0.191	0.055	0.055	281674	------	183618
HD1AEL02	0.280	-0.019	0.055	0.055	-45288	------	183618
HD1ASP04 US	0.280	0.078	0.055	0.055	21110	------	183618
HD1ASP04 DS	0.280	0.078	0.055	0.055	21110	------	183618
HD1AEL03	0.280	-0.019	0.055	0.055	-45288	------	183618
HD1ASP05 US	0.280	0.078	0.055	0.055	21110	------	183618
HD1ASP05 DS	0.280	0.191	0.055	0.055	281674	------	183618
HD1AEL04	0.280	-0.019	0.055	0.055	-45288	------	183618
HD1ATE01(U/S)	0.280	0.038	0.055	0.055	-13011	------	183618
HD1ATE01(D/S)	0.280	0.038	0.055	0.055	-13011	------	183618
HD1ASP06 US	0.280	0.118	0.055	0.055	72292	------	183618
HD1ASP06 DS	0.280	0.191	0.055	0.055	281674	------	183618
HD1AEL05	0.280	-0.019	0.055	0.055	-45288	------	183618
HD1ASP07 US	0.280	0.078	0.055	0.055	21110	------	183618
HD1ASP07 DS	0.280	0.078	0.055	0.055	21110	------	183618
HD1AEL06	0.280	-0.019	0.055	0.055	-45288	------	183618
HD1ASP08 US	0.280	0.078	0.055	0.055	21110	------	183618
HD1ASP08 DS	0.280	0.191	0.055	0.055	281674	------	183618
HD1AEL07	0.280	-0.019	0.055	0.055	-45288	------	183618
HD1ASP09 US	0.280	0.078	0.055	0.055	21110	------	183618
HD1ASP09 DS	0.280	0.078	0.055	0.055	21110	------	183618
HD1AEL08	0.280	-0.019	0.055	0.055	-45288	------	183618
HD1ASP10 US	0.280	0.078	0.055	0.055	21110	------	183618
HD1ASP10 DS	0.280	0.191	0.055	0.055	281674	------	183618
HD1AEL09	0.280	-0.019	0.055	0.055	-45288	------	183618
HD1ASP11 US	0.280	0.078	0.055	0.055	21110	------	183618
HD1ASP11 DS	0.280	0.078	0.055	0.055	21110	------	183618
HD1AEL10	0.280	-0.019	0.055	0.055	-45288	------	183618
HD1ASP12 US	0.280	0.078	0.055	0.055	21110	------	183618
HD1ASP12 DS	0.280	0.191	0.055	0.055	281674	------	183618
HD1AEL11	0.280	-0.019	0.055	0.055	-45288	------	183618
HD1ASP13 US	0.280	0.078	0.055	0.055	21110	------	183618
HD1ASP13 DS	0.280	0.078	0.055	0.055	21110	------	183618
HD1ARD02(L/E)	0.280	0.078	0.055	0.055	21110	------	183618
HD1ARD02(S/E)	0.300	-0.117	0.029	0.029	-64396	------	183618
HD1AVA01	0.300	-0.859	0.031	0.031	-141023	------	183618
===>Grouped by Line: 043-10"-HD-22A, No Sorting.							
HD1ARD03(L/E)	0.500	0.378	0.089	0.089	------	491895	183618
HD1ARD03(S/E)	0.300	0.474	0.029	0.029	116757	------	183618
HD1ASP14	0.500	0.330	0.089	0.089	491558	------	183618
INLET E-2-1A	0.500	0.555	0.089	0.089	------	594406	183618
===>Grouped by Line: 050-06"-HD-01B, No Sorting.							
HD1BSP01	0.322	0.080	0.071	0.071	6229	------	183618
HD1BRD01(L/E)	0.322	0.152	0.071	0.071	87593	------	183618
HD1BRD01(S/E)	0.280	0.022	0.055	0.055	-23674	------	183618
HD1BSP02 US	0.280	0.078	0.055	0.055	21110	------	183618

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HD1BSP02 [	0.280	0.078	0.055	0.055	21110	------	[illegible]8
HD1BEL01	0.280	-0.019	0.055	0.055	-45288	------	[illegible]18
HD1BSP03 US	0.280	0.078	0.055	0.055	21110	------	183618
HD1BSP03 DS	0.280	0.191	0.055	0.055	281674	------	183618
HD1BEL02	0.280	-0.019	0.055	0.055	-45288	------	183618
HD1BSP04 US	0.280	0.078	0.055	0.055	21110	------	183618
HD1BSP04 DS	0.280	0.078	0.055	0.055	21110	------	183618
HD1BTE01(U/S)	0.280	-0.233	0.055	0.055	-103089	------	183618
HD1BTE01(D/S)	0.280	-0.051	0.055	0.055	-58783	------	183618
HD1BTE01(BR.)	0.280	0.005	0.055	0.055	-33082	------	183618
HD1BEL03	0.280	-0.019	0.055	0.055	-45288	------	183618
HD1BSP05	0.280	0.022	0.055	0.055	-23674	------	183618
HD1BSP06	0.280	0.191	0.055	0.055	281674	------	183618
HD1BEL04	0.280	-0.019	0.055	0.055	-45288	------	183618
HD1BSP07 US	0.280	0.078	0.055	0.055	21110	------	183618
HD1BSP07 DS	0.280	0.078	0.055	0.055	21110	------	183618
HD1BEL05	0.280	-0.019	0.055	0.055	-45288	------	183618
HD1BSP08 US	0.280	0.078	0.055	0.055	21110	------	183618
HD1BSP08 DS	0.280	0.191	0.055	0.055	281674	------	183618
HD1BEL06	0.280	-0.019	0.055	0.055	-45288	------	183618
HD1BSP09 US	0.280	0.078	0.055	0.055	21110	------	183618
HD1BSP09 DS	0.280	0.078	0.055	0.055	21110	------	183618
HD1BRD02(L/E)	0.280	0.078	0.055	0.055	21110	------	183618
HD1BRD02(S/E)	0.300	-0.117	0.029	0.029	-64396	------	183618
HD1BVA01	0.300	-0.859	0.031	0.031	-141023	------	183618

===>Grouped by Line: 050-10"-HD-22B, No Sorting.

HD1BRD03(L/E)	0.500	0.358	0.089	0.089	457313	------	183618
HD1BRD03(S/E)	0.300	0.184	0.029	0.029	40756	------	183618
HD1BSP10	0.500	0.304	0.089	0.089	439621	------	183618
INLET E-2-1A	0.500	0.356	0.089	0.089	340882	------	183618

Note:
[1] Predictions are based on last Tmeas to analysis ending period.

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Company: V : Yankee Nuclear Power Corporation Report Date: 13-JUN-2000 Tim 14:41
Plant: Ver Yankee Analysis Date: 13-JUN-2000 Time :14:08
Unit: CHECWORKS FAC Version 1.0F (Build 52)
DB Name: VY

****
*** Wear Rate Analysis: Wear Rates/Input Data Report ***
****

Run Name: 1st Pt Heater Drain
Ending Period: Cycle 20
Total Plant Operating Hours: 183618 Duty Factor (Global): 1.000
WRA Data Option: Ignore NFA Exclude Measure Wear: No
Line Correction Factor: 263.654

Component Name	Geom. Code	Average Wear Rate (mils/year)	Current Wear Rate (mils/year)	Temp. (F)	Velocity (ft/s)	Steam Quality	Diameter (in)
===>Grouped by Line: 043-06"-HD-01A, No Sorting.							
HD1ASP01	31	11.563	11.563	338.0	2.749	0.000	8.625
HD1ARD01(L/E)	7	8.094	8.094	338.0	2.749	0.000	8.625
HD1ARD01(S/E)	7	12.332	12.332	338.0	4.761	0.000	6.625
HD1ASP02 US	57	9.634	9.634	338.0	4.761	0.000	6.625
HD1ASP02 DS	57	9.634	9.634	338.0	4.761	0.000	6.625
HD1AEL01	2	14.258	14.258	338.0	4.761	0.000	6.625
HD1ASP03 US	52	9.634	9.634	338.0	4.761	0.000	6.625
HD1ASP03 DS	9	4.239	4.239	338.0	4.761	0.000	6.625
HD1AEL02	2	14.258	14.258	338.0	4.761	0.000	6.625
HD1ASP04 US	52	9.634	9.634	338.0	4.761	0.000	6.625
HD1ASP04 DS	52	9.634	9.634	338.0	4.761	0.000	6.625
HD1AEL03	2	14.258	14.258	338.0	4.761	0.000	6.625
HD1ASP05 US	52	9.634	9.634	338.0	4.761	0.000	6.625
HD1ASP05 DS	9	4.239	4.239	338.0	4.761	0.000	6.625
HD1AEL04	2	14.258	14.258	338.0	4.761	0.000	6.625
HD1ATE01(U/S)	15	11.561	11.561	338.0	4.761	0.000	6.625
HD1ATE01(D/S)	15	11.561	11.561	338.0	4.761	0.000	6.625
HD1ASP06 US	65	7.707	7.707	338.0	4.761	0.000	6.625
HD1ASP06 DS	9	4.239	4.239	338.0	4.761	0.000	6.625
HD1AEL05	2	14.258	14.258	338.0	4.761	0.000	6.625
HD1ASP07 US	52	9.634	9.634	338.0	4.761	0.000	6.625
HD1ASP07 DS	52	9.634	9.634	338.0	4.761	0.000	6.625
HD1AEL06	2	14.258	14.258	338.0	4.761	0.000	6.625
HD1ASP08 US	52	9.634	9.634	338.0	4.761	0.000	6.625
HD1ASP08 DS	9	4.239	4.239	338.0	4.761	0.000	6.625
HD1AEL07	2	14.258	14.258	338.0	4.761	0.000	6.625
HD1ASP09 US	52	9.634	9.634	338.0	4.761	0.000	6.625
HD1ASP09 DS	52	9.634	9.634	338.0	4.761	0.000	6.625
HD1AEL08	2	14.258	14.258	338.0	4.761	0.000	6.625
HD1ASP10 US	52	9.634	9.634	338.0	4.761	0.000	6.625
HD1ASP10 DS	9	4.239	4.239	338.0	4.761	0.000	6.625
HD1AEL09	2	14.258	14.258	338.0	4.761	0.000	6.625
HD1ASP11 US	52	9.634	9.634	338.0	4.761	0.000	6.625
HD1ASP11 DS	52	9.634	9.634	338.0	4.761	0.000	6.625
HD1AEL10	2	14.258	14.258	338.0	4.761	0.000	6.625
HD1ASP12 US	52	9.634	9.634	338.0	4.761	0.000	6.625
HD1ASP12 DS	9	4.239	4.239	338.0	4.761	0.000	6.625
HD1AEL11	2	14.258	14.258	338.0	4.761	0.000	6.625
HD1ASP13 US	52	9.634	9.634	338.0	4.761	0.000	6.625
HD1ASP13 DS	52	9.634	9.634	338.0	4.761	0.000	6.625
HD1ARD02(L/E)	17	9.634	9.634	338.0	4.761	0.000	6.625
HD1ARD02(S/E)	17	19.914	19.914	338.0	20.822	0.000	3.500
HD1AVA01	24	55.317	55.317	338.0	20.822	0.000	3.500
===>Grouped by Line: 043-10"-HD-22A, No Sorting.							
HD1ARD03(L/E)	18	5.148	5.148	332.7	11.476	0.006	10.750
HD1ARD03(S/E)	18	33.391	33.391	332.7	30.466	0.006	3.500
HD1ASP14	68	4.290	4.290	332.7	11.476	0.006	10.750
INLET E-2-1A	30	6.865	6.865	332.7	2.767	0.006	10.750
===>Grouped by Line: 050-06"-HD-01B, No Sorting.							
HD1BSP01	31	11.563	11.563	338.0	2.749	0.000	8.625
HD1BRD01(L/E)	7	8.094	8.094	338.0	2.749	0.000	8.625
HD1BRD01(S/E)	7	12.332	12.332	338.0	4.761	0.000	6.625
HD1BSP02 US	57	9.634	9.634	338.0	4.761	0.000	6.625

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HD1BSP02 I	57	9.634	9.634	338.0	4.761	0.000	.625
HD1BEL01	2	14.258	14.258	338.0	4.761	0.000	6.625
HD1BSP03 US	52	9.634	9.634	338.0	4.761	0.000	6.625
HD1BSP03 DS	9	4.239	4.239	338.0	4.761	0.000	6.625
HD1BEL02	2	14.258	14.258	338.0	4.761	0.000	6.625
HD1BSP04 US	52	9.634	9.634	338.0	4.761	0.000	6.625
HD1BSP04 DS	52	9.634	9.634	338.0	4.761	0.000	6.625
HD1BTE01(U/S)	12	24.493	24.493	373.1	9.698	0.000	6.625
HD1BTE01(D/S)	12	15.800	15.800	338.0	4.761	0.000	6.625
HD1BTE01(BR.)	12	13.102	13.102	338.0	4.761	0.000	6.625
HD1BEL03	4	14.258	14.258	338.0	4.761	0.000	6.625
HD1BSP05	54	12.332	12.332	338.0	4.761	0.000	6.625
HD1BSP06	9	4.239	4.239	338.0	4.761	0.000	6.625
HD1BEL04	2	14.258	14.258	338.0	4.761	0.000	6.625
HD1BSP07 US	52	9.634	9.634	338.0	4.761	0.000	6.625
HD1BSP07 DS	52	9.634	9.634	338.0	4.761	0.000	6.625
HD1BEL05	2	14.258	14.258	338.0	4.761	0.000	6.625
HD1BSP08 US	52	9.634	9.634	338.0	4.761	0.000	6.625
HD1BSP08 DS	9	4.239	4.239	338.0	4.761	0.000	6.625
HD1BEL06	2	14.258	14.258	338.0	4.761	0.000	6.625
HD1BSP09 US	52	9.634	9.634	338.0	4.761	0.000	6.625
HD1BSP09 DS	52	9.634	9.634	338.0	4.761	0.000	6.625
HD1BRD02(L/E)	17	9.634	9.634	338.0	4.761	0.000	6.625
HD1BRD02(S/E)	17	19.914	19.914	338.0	20.822	0.000	3.500
HD1BVA01	24	55.317	55.317	338.0	20.822	0.000	3.500

===>Grouped by Line: 050-10"-HD-22B, No Sorting.

HD1BRD03(L/E)	18	5.148	5.148	332.7	11.476	0.006	10.750
HD1BRD03(S/E)	18	33.391	33.391	332.7	30.466	0.006	3.500
HD1BSP10	68	4.290	4.290	332.7	11.476	0.006	10.750
INLET E-2-1A	30	6.865	6.865	332.7	2.767	0.006	10.750

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Company: V Yankee Nuclear Power Corporation Report Date: 13-JUN-2000 Time 02:15
Plant: Ver. ankee Analysis Date: 13-JUN-2000 Time :01:24
Unit: CHECWORKS FAC Version 1.0F (Build 52)
DB Name: VY

****
*** Wear Rate Analysis: Wear Rates/Input Data Report ***
****

Run Name: 2nd Pt Heater Drain
Ending Period: Cycle 20
Total Plant Operating Hours: 183618 Duty Factor (Global): 1.000
WRA Data Option: Ignore NFA Exclude Measure Wear: No
Line Correction Factor: 139.582

Component Name	Geom. Code	Average Wear Rate (mils/year)	Current Wear Rate (mils/year)	Temp. (F)	Velocity (ft/s)	Steam Quality	Diameter (in)
===>Grouped by Line: 044-10"-HD-03A, No Sorting.							
HD3ASP01	31	14.223	14.223	307.1	3.182	0.000	14.000
HD3ARD01(L/E)	7	9.956	9.956	307.1	3.182	0.000	14.000
HD3ARD01(S/E)	7	15.307	15.307	307.1	5.564	0.000	10.750
HD3ASP02 US	57	11.959	11.959	307.1	5.564	0.000	10.750
HD3ASP02 DS	57	11.959	11.959	307.1	5.564	0.000	10.750
HD3AEL01	2	17.699	17.699	307.1	5.564	0.000	10.750
HD3ASP03 US	52	11.959	11.959	307.1	5.564	0.000	10.750
HD3ASP03 DS	52	11.959	11.959	307.1	5.564	0.000	10.750
HD3ATE01(U/S)	15	14.350	14.350	307.1	5.564	0.000	10.750
HD3ATE01(D/S)	15	14.350	14.350	307.1	5.564	0.000	10.750
HD3ASP04 US	65	9.567	9.567	307.1	5.564	0.000	10.750
HD3ASP04 DS	9	5.262	5.262	307.1	5.564	0.000	10.750
HD3AEL02	1	15.785	15.785	307.1	5.564	0.000	10.750
HD3ASP05	51	10.524	10.524	307.1	5.564	0.000	10.750
HD3ARD02(L/E)	17	11.959	11.959	307.1	5.564	0.000	10.750
HD3ARD02(S/E)	17	17.531	17.531	307.1	15.188	0.000	6.625
HD3AVA01	24	196.617	196.617	307.1	139.666	0.000	6.625
===>Grouped by Line: 044-16"-HD-23A, No Sorting.							
HD3ARD03(L/E)	18	0.056	0.056	299.7	38.139	0.008	16.000
HD3ARD03(S/E)	18	0.129	0.129	299.7	35.413	0.008	6.625
HD3ASP06	30	0.056	0.056	299.7	38.139	0.008	16.000
===>Grouped by Line: 051-10"-HD-03B, No Sorting.							
HD3BSP01	31	14.223	14.223	307.1	3.182	0.000	14.000
HD3BRD01(L/E)	7	9.956	9.956	307.1	3.182	0.000	14.000
HD3BRD01(S/E)	7	15.307	15.307	307.1	5.564	0.000	10.750
HD3BSP02 US	57	11.959	11.959	307.1	5.564	0.000	10.750
HD3BSP02 DS	57	11.959	11.959	307.1	5.564	0.000	10.750
HD3BEL01	2	17.699	17.699	307.1	5.564	0.000	10.750
HD3BSP03	52	11.959	11.959	307.1	5.564	0.000	10.750
HD3BSP04	9	5.262	5.262	307.1	5.564	0.000	10.750
HD3BTE01(U/S)	12	19.612	19.612	307.1	5.564	0.000	10.750
HD3BTE01(D/S)	12	23.902	23.902	327.7	11.241	0.000	10.750
HD3BTE01(BR.)	12	16.264	16.264	307.1	5.564	0.000	10.750
HD3BSP05	62	9.567	9.567	307.1	5.564	0.000	10.750
HD3BEL02	1	15.785	15.785	307.1	5.564	0.000	10.750
HD3BSP06 US	51	10.524	10.524	307.1	5.564	0.000	10.750
HD3ASP06 DS	51	10.524	10.524	307.1	5.564	0.000	10.750
HD3ARD02(L/E)	7	16.742	16.742	307.1	5.564	0.000	10.750
HD3ARD02(S/E)	7	31.167	31.167	307.1	15.188	0.000	6.625
HD3AVA01	24	196.617	196.617	307.1	139.666	0.000	6.625
===>Grouped by Line: 051-16"-HD-23B, No Sorting.							
HD3ARD03(L/E)	18	0.056	0.056	299.7	38.139	0.008	16.000
HD3ARD03(S/E)	18	0.129	0.129	299.7	35.413	0.008	6.625
HD3ASP06	30	0.056	0.056	299.7	38.139	0.008	16.000

2ND PT. HD

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Company: V : Yankee Nuclear Power Corporation
Plant: Ver. Yankee
Unit:
DB Name: VY

Report Date: 13-JUN-2000 Tim :02:31
Analysis Date: 13-JUN-2000 Time :01:24
CHECWORKS FAC Version 1.0F (Build 52)

****
*** Wear Rate Analysis: Thickness/Service Time Report ***
****

Run Name: 2nd Pt Heater Drain
Ending Period: Cycle 20
Total Plant Operating Hours: 183618
WRA Data Option: Ignore NFA
Line Correction Factor: 139.582

Duty Factor (Global): 1.000
Exclude Measure Wear: No

Component Name	Thickness (in) Init.	Prd.[1]	Thoop	Tcrit	Component Predicted[1] Time to Tcrit (hrs) Non-Inspected	Inspected	Component Actual Service Time (hrs)
===>Grouped by Line: 044-10"-HD-03A, No Sorting.							
HD3ASP01	0.375	0.077	0.070	0.070	4399	------	183618
HD3ARD01(L/E)	0.375	0.166	0.070	0.070	84978	------	183618
HD3ARD01(S/E)	0.365	0.044	0.054	0.054	-5371	------	183618
HD3ASP02 US	0.365	0.114	0.054	0.054	44537	------	183618
HD3ASP02 DS	0.365	0.114	0.054	0.054	44537	------	183618
HD3AEL01	0.365	-0.006	0.054	0.054	-29458	------	183618
HD3ASP03 US	0.365	0.114	0.054	0.054	44537	------	183618
HD3ASP03 DS	0.365	0.114	0.054	0.054	44537	------	183618
HD3ATE01(U/S)	0.365	0.064	0.054	0.054	6511	------	183618
HD3ATE01(D/S)	0.365	0.064	0.054	0.054	6511	------	183618
HD3ASP04 US	0.365	0.164	0.054	0.054	101576	------	183618
HD3ASP04 DS	0.365	0.255	0.054	0.054	334918	------	183618
HD3AEL02	0.365	0.034	0.054	0.054	-10772	------	183618
HD3ASP05	0.365	0.144	0.054	0.054	75650	------	183618
HD3ARD02(L/E)	0.365	0.114	0.054	0.054	44537	------	183618
HD3ARD02(S/E)	0.280	-0.087	0.033	0.033	-60195	------	183618
HD3AVA01	0.432	-3.689	0.035	0.035	-165945	------	183618
===>Grouped by Line: 044-16"-HD-23A, No Sorting.							
HD3ARD03(L/E)	0.500	0.358	0.082	0.082	43331740	------	183618
HD3ARD03(S/E)	0.432	0.443	0.034	0.034	27689682	------	183618
HD3ASP06	0.500	0.500	0.082	0.082	65660712	------	57707
===>Grouped by Line: 051-10"-HD-03B, No Sorting.							
HD3BSP01	0.375	0.077	0.070	0.070	4399	------	183618
HD3BRD01(L/E)	0.375	0.166	0.070	0.070	84978	------	183618
HD3BRD01(S/E)	0.365	0.044	0.054	0.054	-5371	------	183618
HD3BSP02 US	0.365	0.114	0.054	0.054	44537	------	183618
HD3BSP02 DS	0.365	0.114	0.054	0.054	44537	------	183618
HD3BEL01	0.365	-0.006	0.054	0.054	-29458	------	183618
HD3BSP03	0.365	0.114	0.054	0.054	44537	------	183618
HD3BSP04	0.365	0.255	0.054	0.054	334918	------	183618
HD3BTE01(U/S)	0.365	-0.046	0.054	0.054	-44498	------	183618
HD3BTE01(D/S)	0.365	-0.136	0.054	0.054	-69466	------	183618
HD3BTE01(BR.)	0.365	0.024	0.054	0.054	-15856	------	183618
HD3BSP05	0.365	0.302	0.054	0.054	227488	------	57707
HD3BEL02	0.365	0.261	0.054	0.054	115138	------	57707
HD3BSP06 US	0.365	0.296	0.054	0.054	201561	------	57707
HD3ASP06 DS	0.365	0.296	0.054	0.054	201561	------	57707
HD3ARD02(L/E)	0.365	0.255	0.054	0.054	105261	------	57707
HD3ARD02(S/E)	0.280	0.075	0.033	0.033	11717	------	57707
HD3AVA01	0.432	-3.689	0.035	0.035	-165945	------	183618
===>Grouped by Line: 051-16"-HD-23B, No Sorting.							
HD3ARD03(L/E)	0.500	0.499	0.082	0.082	65534800	------	183618
HD3ARD03(S/E)	0.432	0.429	0.034	0.034	26762830	------	183618
HD3ASP06	0.500	0.500	0.082	0.082	65660712	------	57707

Note:
[1] Predictions are based on last Tmeas to analysis ending period.

Pl 2 of 3

Company: V : Yankee Nuclear Power Corporation Report Date: 13-JUN-2000 Tim :02:38
Plant: Ver. Yankee Analysis Date: 13-JUN-2000 Time :01:24
Unit: CHECWORKS FAC Version 1.0F (Build 52)
DB Name: VY

****
*** Wear Rate Analysis: Wear Predictions Report ***
****

Run Name: 2nd Pt Heater Drain
Ending Period: Cycle 20
Total Plant Operating Hours: 183618 Duty Factor (Global): 1.000
WRA Data Option: Ignore NFA Exclude Measure Wear: No
Line Correction Factor: 139.582

Component Name	Total Lifetime Wear (mils) Prd.[1]	Total Lifetime Wear (mils) Meas.	In-Service Cmp. Wear (mils) Prd.[1]	In-Service Cmp. Wear (mils) Meas.	In-Service Cmp. Tmeas,Method,Time (in)[3]	[2]	(hrs)[3]	In-Service Cmp. Thickness(mils)[4] Tp	Tm	Incremental Wear(mils)[5] PRWEAR	Time(hrs) Last Inspected
===>Grouped by Line: 044-10"-HD-03A, No Sorting.											
===>Grouped by Line: 044-16"-HD-23A, No Sorting.											
HD3ASP06	135.0	135.0	0.0	0.0	0.500	--	125911	500.0	500.0	0.4	0
===>Grouped by Line: 051-10"-HD-03B, No Sorting.											
===>Grouped by Line: 051-16"-HD-23B, No Sorting.											

Notes:
[1] Predictions are for the time of last inspection (last known meas. wear).
[2] GW = Tmeas is minimum thickness from Band, Blanket or Area Method of greatest wear.
MT = Tmeas is component minimum thickness.
PW = Tmeas is Tinit - predicted wear.
US = Tmeas is user specified.
[3] If no Tmeas has been determined from measured data, then Tmeas = Tinit and Time = current component installation time.
Tmeas is used to determine Predicted Thickness and Component Predicted Time to Tcrit.
[4] These two values are used for thickness plot.
Tp = Predicted thickness at Tmeas.
Tm = Last measured thickness (Tmeas).
[5] PRWEAR = Incremental wear from last Tmeas time to analysis ending period.

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Third Point heater drain

Company: V : Yankee Nuclear Power Corporation
Plant: Ven /ankee
Unit:
DB Name: VY

Report Date: 13-JUN-2000 Tim 30:37
Analysis Date: 13-JUN-2000 Time :28:31
CHECWORKS FAC Version 1.0P (Build 52)

****
*** Wear Rate Analysis: Thickness/Service Time Report ***
****

Run Name: 3rd Pt Heater Drain
Ending Period: Cycle 20
Total Plant Operating Hours: 183618
WRA Data Option: Ignore NFA
Line Correction Factor: 1.000

Duty Factor (Global): 1.000
Exclude Measure Wear: No

PDSS 1.

Component Name	Thickness (in) Init.	Prd.[1]	Thoop	Tcrit	Component Predicted[1] Time to Tcrit (hrs) Non-Inspected	Inspected	Component Actual Service Time (hrs)
===>Grouped by Line: 045-14"-HD-05A, No Sorting.							
HD5ASP01	0.500	0.500	0.054	0.054	99000000	------	57707
HD5ASP01A	0.500	0.500	0.053	0.053	75515464	------	57707
HD5ARD01(L/E)	0.375	0.374	0.053	0.053	43116748	------	183618
HD5ARD01(S/E)	0.375	0.373	0.047	0.047	37032484	------	183618
HD5ASP02 US	0.375	0.374	0.047	0.047	47452996	------	183618
HD5ASP02 DS	0.375	0.374	0.047	0.047	47452996	------	183618
HD5AEL01	0.375	0.373	0.047	0.047	32003280	------	183618
HD5ASP03 US	0.375	0.374	0.047	0.047	47452996	------	183618
HD5ASP03 DS	0.375	0.374	0.047	0.047	47452996	------	183618
HD5AEL02	0.375	0.373	0.047	0.047	32003280	------	183618
HD5ASP04 US	0.375	0.374	0.047	0.047	47452996	------	183618
HD5ASP04 DS	0.375	0.374	0.047	0.047	108081408	------	183618
HD5AEL03	0.375	0.373	0.047	0.047	32003280	------	183618
HD5ASP05 US	0.375	0.374	0.047	0.047	47452996	------	183618
HD5ASP05 DS	0.375	0.374	0.047	0.047	47452996	------	183618
HD5ATE01(U/S)	0.375	0.370	0.047	0.047	11849531	------	183618
HD5ATE01(D/S)	0.375	0.373	0.047	0.047	28863098	------	183618
HD5ATE01(BR.)	0.375	0.373	0.047	0.047	34843304	------	183618
HD5ASP06	0.375	0.374	0.047	0.047	59362144	------	183618
HD5ARD04(L/E)	0.375	0.375	0.047	0.047	33979804	------	46347
HD5ARD04(S/E)	0.365	0.364	0.036	0.036	22139996	------	46347
HD5ASP09 US	0.365	0.364	0.036	0.036	28352174	------	46347
HD5ASP09 DS	0.365	0.365	0.036	0.036	35451808	------	46347
HD5AEL04	0.365	0.364	0.036	0.036	19141844	------	46347
HD5ASP10 US	0.365	0.364	0.036	0.036	28352174	------	46347
HD5ASP10 DS	0.365	0.364	0.036	0.036	28352174	------	46347
HD5AEL05	0.365	0.364	0.036	0.036	19141844	------	46347
HD5ASP11 US	0.365	0.364	0.036	0.036	28352174	------	46347
HD5ASP11 DS	0.365	0.364	0.036	0.036	28352174	------	46347
HD5ARD05(L/E)	0.375	0.375	0.047	0.047	33979804	------	46347
HD5ARD05(S/E)	0.280	0.279	0.022	0.022	9097168	------	46347
HD5AVA01	0.375	0.405	0.050	0.050	25756898	------	183618
===>Grouped by Line: 045-20"-HD-24A, No Sorting.							
HD5ARD03(L/E)	0.500	0.500	0.067	0.067	99000000	------	46347
HD5ARD03(S/E)	0.432	0.432	0.022	0.022	99000000	------	46347
HD5ASP07	0.500	0.500	0.067	0.067	99000000	------	46347
===>Grouped by Line: 052-14"-HD-05B, No Sorting.							
HD5BSP01	0.500	0.500	0.054	0.054	99000000	------	57707
HD5BSP01A	0.500	0.500	0.053	0.053	75515464	------	57707
HD5BRD01(L/E)	0.375	0.374	0.053	0.053	43116748	------	183618
HD5BRD01(S/E)	0.375	0.373	0.047	0.047	37032484	------	183618
HD5BSP02 US	0.375	0.374	0.047	0.047	47452996	------	183618
HD5BSP02 DS	0.375	0.374	0.047	0.047	47452996	------	183618
HD5BEL01	0.375	0.373	0.047	0.047	32003280	------	183618
HD5BSP03 US	0.375	0.374	0.047	0.047	47452996	------	183618
HD5BSP03 DS	0.375	0.374	0.047	0.047	47452996	------	183618
HD5BEL02	0.375	0.373	0.047	0.047	32003280	------	183618
HD5BSP04	0.375	0.374	0.047	0.047	47452996	------	183618
HD5BSP05	0.375	0.374	0.047	0.047	108081408	------	183618
HD5BEL03	0.375	0.373	0.047	0.047	32003280	------	183618
HD5BSP06 US	0.375	0.374	0.047	0.047	47452996	------	183618
HD5BSP06 DS	0.375	0.374	0.047	0.047	47452996	------	183618
HD5BTE01(U/S)	0.375	0.370	0.047	0.047	11849531	------	183618

3rd PT HD

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HD5BTE01(D	0.375	0.373	0.047	0.047	28863098	------	[illegible].8
HD5BTE01(B.	0.375	0.373	0.047	0.047	34843304	------	[illegible]618
HD5BSP07	0.375	0.374	0.047	0.047	59362144	------	183618
HD5BSP09	0.375	0.375	0.047	0.047	59499412	------	46347
HD5BEL04	0.375	0.375	0.047	0.047	32140550	------	46347
HD5BSP10 US	0.375	0.375	0.047	0.047	47590268	------	46347
HD5BSP10 DS	0.375	0.375	0.047	0.047	47590268	------	46347
HD5BRD02(L/E)	0.375	0.375	0.047	0.047	33979804	------	46347
HD5BRD02(S/E)	0.280	0.279	0.022	0.022	9097168	------	46347
HD5BVA01	0.432	0.423	0.024	0.024	8500245	------	183618

===>Grouped by Line: 052-20"-HD-24B, No Sorting.

HD5BSP08	0.432	0.432	0.020	0.020	99000000	------	46347
HD5BRD03(L/E)	0.500	0.500	0.067	0.067	99000000	------	46347
HD5BRD03(S/E)	0.432	0.432	0.022	0.022	99000000	------	46347
HD5BSP09	0.500	0.500	0.067	0.067	99000000	------	46347

Note:
[1] Predictions are based on last Tmeas to analysis ending period.

3RD PT. HD

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Company: V : Yankee Nuclear Power Corporation
Plant: Vern. Yankee
Unit:
DB Name: VY

Report Date: 13-JUN-2000 Tim .30:35
Analysis Date: 13-JUN-2000 Time: 14:28:31
CHECWORKS FAC Version 1.0F (Build 52)

****
*** Wear Rate Analysis: Wear Rates/Input Data Report ***
****

Run Name: 3rd Pt Heater Drain
Ending Period: Cycle 20
Total Plant Operating Hours: 183618
WRA Data Option: Ignore NFA
Line Correction Factor: 1.000

Duty Factor (Global): 1.000
Exclude Measure Wear: No

Component Name	Geom. Code	Average Wear Rate (mils/year)	Current Wear Rate (mils/year)	Temp. (F)	Velocity (ft/s)	Steam Quality	Diameter (in)
===>Grouped by Line: 045-14"-HD-05A, No Sorting.							
HD5ASP01	31	0.000	0.000	239.3	3.119	0.000	16.000
HD5ASP01A	61	0.052	0.052	239.3	3.119	0.000	16.000
HD5ARD01(L/E)	7	0.065	0.065	239.3	3.017	0.000	16.000
HD5ARD01(S/E)	7	0.077	0.077	239.3	3.997	0.000	14.000
HD5ASP02 US	57	0.060	0.060	239.3	3.997	0.000	14.000
HD5ASP02 DS	57	0.060	0.060	239.3	3.997	0.000	14.000
HD5AEL01	2	0.089	0.089	239.3	3.997	0.000	14.000
HD5ASP03 US	52	0.060	0.060	239.3	3.997	0.000	14.000
HD5ASP03 DS	52	0.060	0.060	239.3	3.997	0.000	14.000
HD5AEL02	2	0.089	0.089	239.3	3.997	0.000	14.000
HD5ASP04 US	52	0.060	0.060	239.3	3.997	0.000	14.000
HD5ASP04 DS	9	0.027	0.027	239.3	3.997	0.000	14.000
HD5AEL03	2	0.089	0.089	239.3	3.997	0.000	14.000
HD5ASP05 US	52	0.060	0.060	239.3	3.997	0.000	14.000
HD5ASP05 DS	52	0.060	0.060	239.3	3.997	0.000	14.000
HD5ATE01(U/S)	12	0.239	0.239	294.7	8.198	0.000	14.000
HD5ATE01(D/S)	12	0.099	0.099	239.3	3.997	0.000	14.000
HD5ATE01(BR.)	12	0.082	0.082	239.3	3.997	0.000	14.000
HD5ASP06	62	0.048	0.048	239.3	3.997	0.000	14.000
HD5ARD04(L/E)	7	0.085	0.085	239.3	3.997	0.000	14.000
HD5ARD04(S/E)	7	0.130	0.130	239.3	6.989	0.000	10.750
HD5ASP09 US	57	0.102	0.102	239.3	6.989	0.000	10.750
HD5ASP09 DS	62	0.081	0.081	239.3	6.989	0.000	10.750
HD5AEL04	2	0.150	0.150	239.3	6.989	0.000	10.750
HD5ASP10 US	52	0.102	0.102	239.3	6.989	0.000	10.750
HD5ASP10 DS	52	0.102	0.102	239.3	6.989	0.000	10.750
HD5AEL05	2	0.150	0.150	239.3	6.989	0.000	10.750
HD5ASP11 US	52	0.102	0.102	239.3	6.989	0.000	10.750
HD5ASP11 DS	52	0.102	0.102	239.3	6.989	0.000	10.750
HD5ARD05(L/E)	7	0.085	0.085	239.3	3.997	0.000	14.000
HD5ARD05(S/E)	7	0.247	0.247	239.3	19.076	0.000	6.625
HD5AVA01	20	0.121	0.121	239.3	3.997	0.000	14.000
===>Grouped by Line: 045-20"-HD-24A, No Sorting.							
HD5ARD03(L/E)	18	0.001	0.001	234.0	107.063	0.006	20.000
HD5ARD03(S/E)	18	0.002	0.002	234.0	63.808	0.006	6.625
HD5ASP07	30	0.001	0.001	234.0	4.805	0.006	20.000
===>Grouped by Line: 052-14"-HD-05B, No Sorting.							
HD5BSP01	31	0.000	0.000	239.3	3.119	0.000	16.000
HD5BSP01A	61	0.052	0.052	239.3	3.119	0.000	16.000
HD5BRD01(L/E)	7	0.065	0.065	239.3	3.017	0.000	16.000
HD5BRD01(S/E)	7	0.077	0.077	239.3	3.997	0.000	14.000
HD5BSP02 US	57	0.060	0.060	239.3	3.997	0.000	14.000
HD5BSP02 DS	57	0.060	0.060	239.3	3.997	0.000	14.000
HD5BEL01	2	0.089	0.089	239.3	3.997	0.000	14.000
HD5BSP03 US	52	0.060	0.060	239.3	3.997	0.000	14.000
HD5BSP03 DS	52	0.060	0.060	239.3	3.997	0.000	14.000
HD5BEL02	2	0.089	0.089	239.3	3.997	0.000	14.000
HD5BSP04	52	0.060	0.060	239.3	3.997	0.000	14.000
HD5BSP05	9	0.027	0.027	239.3	3.997	0.000	14.000
HD5BEL03	2	0.089	0.089	239.3	3.997	0.000	14.000
HD5BSP06 US	52	0.060	0.060	239.3	3.997	0.000	14.000
HD5BSP06 DS	52	0.060	0.060	239.3	3.997	0.000	14.000
HD5BTE01(U/S)	12	0.239	0.239	294.7	8.198	0.000	14.000

3RD PT. HD.

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HD5BTE01(D	12	0.099	0.099	239.3	3.997	0.000	.000
HD5BTE01(B	12	0.082	0.082	239.3	3.997	0.000	14.000
HD5BSP07	62	0.048	0.048	239.3	3.997	0.000	14.000
HD5BSP09	62	0.048	0.048	239.3	3.997	0.000	14.000
HD5BEL04	2	0.089	0.089	239.3	3.997	0.000	14.000
HD5BSP10 US	52	0.060	0.060	239.3	3.997	0.000	14.000
HD5BSP10 DS	52	0.060	0.060	239.3	3.997	0.000	14.000
HD5BRD02(L/E)	7	0.085	0.085	239.3	3.997	0.000	14.000
HD5BRD02(S/E)	7	0.247	0.247	239.3	19.076	0.000	6.625
HD5BVA01	20	0.412	0.412	239.3	21.142	0.000	6.625

===>Grouped by Line: 052-20"-HD-24B, No Sorting.

HD5BSP08	70	0.003	0.003	234.0	63.808	0.006	6.625
HD5BRD03(L/E)	18	0.001	0.001	234.0	107.063	0.006	20.000
HD5BRD03(S/E)	18	0.002	0.002	234.0	63.808	0.006	6.625
HD5BSP09	30	0.001	0.001	234.0	4.805	0.006	20.000

300 PT. HP.

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Fourth Point Heater drains

Company: V Yankee Nuclear Power Corporation
Plant: Ver. Yankee
Unit:
DB Name: VY

Report Date: 13-JUN-2000 Time 44:48
Analysis Date: 13-JUN-2000 Time 44:01
CHECWORKS FAC Version 1.0F (Build 52)

DD53 1

****
*** Wear Rate Analysis: Thickness/Service Time Report ***
****

Run Name: 4th Pt Heater Drain
Ending Period: Cycle 20
Total Plant Operating Hours: 183618
WRA Data Option: Ignore NFA
Line Correction Factor: 48.377

Duty Factor (Global): 1.000
Exclude Measure Wear: No

Component Name	Thickness (in) Init.	Prd.[1]	Thoop	Tcrit	Component Predicted[1] Time to Tcrit (hrs) Non-Inspected	Inspected	Component Actual Service Time (hrs)
===>Grouped by Line: 046-16"-HD-07A, No Sorting..							
HD7ASP01	0.500	0.500	0.029	0.029	216412848	------	46347
HD7ASP01A	0.500	0.486	0.030	0.030	1477367	------	46347
HD7ARD01(L/E)	0.375	0.336	0.030	0.030	1458230	------	183618
HD7ARD01(S/E)	0.375	0.331	0.027	0.027	1258082	------	183618
HD7AEL01	0.375	0.324	0.027	0.027	1063258	------	183618
HD7ASP02 US	0.375	0.331	0.027	0.027	1258082	------	183618
HD7ASP02 DS	0.375	0.331	0.027	0.027	1258082	------	183618
HD7ATE01(U/S)	0.375	0.318	0.027	0.027	941611	------	183618
HD7ATE01(D/S)	0.375	0.215	0.027	0.027	217002	------	183618
HD7ATE01(BR.)	0.375	0.328	0.027	0.027	1173276	------	183618
HD7AEL02	0.375	0.324	0.027	0.027	1063258	------	183618
HD7ASP03 US	0.375	0.331	0.027	0.027	1258082	------	183618
HD7ASP03 DS	0.375	0.331	0.027	0.027	1258082	------	183618
HD7AVA01	0.375	0.306	0.029	0.029	734039	------	183618
HD7AEL03	0.375	0.324	0.027	0.027	1063258	------	183618
HD7AEL04	0.375	0.324	0.027	0.027	1063258	------	183618
HD7ASP04	0.375	0.331	0.027	0.027	1258082	------	183618
HD7AEL05	0.375	0.324	0.027	0.027	1063258	------	183618
HD7ASP05 US	0.375	0.340	0.027	0.027	1661759	------	183618
HD7ASP05 DS	0.375	0.340	0.027	0.027	1661759	------	183618
HD7ATE02(U/S)	0.375	0.333	0.027	0.027	1354196	------	183618
HD7ATE02(D/S)	0.375	0.333	0.027	0.027	1354196	------	183618
HD7ASP06 US	0.375	0.347	0.027	0.027	2123104	------	183618
HD7ASP06 DS	0.375	0.347	0.027	0.027	2123104	------	183618
HD7AEL06	0.375	0.324	0.027	0.027	1063258	------	183618
HD7ASP07 US	0.375	0.340	0.027	0.027	1661759	------	183618
HD7ASP07 DS	0.375	0.340	0.027	0.027	1661759	------	183618
HD7AEL07	0.375	0.324	0.027	0.027	1063258	------	183618
HD7ASP08 US	0.375	0.340	0.027	0.027	1661759	------	183618
HD7ASP08 DS	0.375	0.340	0.027	0.027	1661759	------	183618
HD7AEL08	0.375	0.329	0.027	0.027	1214395	------	183618
HD7ASP09 US	0.375	0.344	0.027	0.027	1913401	------	183618
HD7ASP09 DS	0.375	0.344	0.027	0.027	1913401	------	183618
HD7AEL09	0.375	0.324	0.027	0.027	1063258	------	183618
HD7ASP10 US	0.375	0.340	0.027	0.027	1661759	------	183618
HD7ASP10 DS	0.375	0.340	0.027	0.027	1661759	------	183618
HD7ATE03(U/S)	0.375	0.333	0.027	0.027	1354196	------	183618
HD7ATE03(D/S)	0.375	0.333	0.027	0.027	1354196	------	183618
HD7ACP01	0.322	0.320	0.014	0.014	31878724	------	183618
HD7ASP11 US	0.375	0.347	0.027	0.027	2123104	------	183618
HD7ASP11 DS	0.375	0.347	0.027	0.027	2123104	------	183618
HD7AEL10	0.375	0.324	0.027	0.027	1063258	------	183618
HD7ASP12 US	0.375	0.340	0.027	0.027	1661759	------	183618
HD7ASP12 DS	0.375	0.360	0.027	0.027	4010421	------	183618
HD7AEL11	0.375	0.324	0.027	0.027	1063258	------	183618
HD7ASP13 US	0.375	0.340	0.027	0.027	1661759	------	183618
HD7ASP13 DS	0.375	0.340	0.027	0.027	1661759	------	183618
HD7ARD02(L/E)	0.375	0.340	0.027	0.027	1661759	------	183618
HD7ARD02(S/E)	0.375	0.343	0.023	0.023	1808534	------	183618
HD7AVA02A	0.375	0.339	0.023	0.023	1609319	------	183618
HD7AVA02	0.750	0.883	0.019	0.019	214245552	------	183618
===>Grouped by Line: 046-20"-HD-25A, No Sorting.							
HD25VA02B	0.750	0.617	0.023	0.023	------	819875	183618
HD25RD01(L/E)	0.500	0.542	0.032	0.032	76182368	------	183618
HD25RD01(S/E)	0.500	0.735	0.022	0.022	103992752	------	183618

4TH PT. HEATER DRAIN

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HD25SP01	0.500	0.517	0.032	0.032	72445976	------	.8

===>Grouped by Line: 053-16"-HD-07B, No Sorting.

HD7BSP01	0.500	0.500	0.029	0.029	216412848	------	46347
HD7BSP01A	0.500	0.486	0.030	0.030	1477367	------	46347
HD7BRD01(L/E)	0.375	0.336	0.030	0.030	1458230	------	183618
HD7BRD01(S/E)	0.375	0.331	0.027	0.027	1258082	------	183618
HD7BEL01	0.375	0.324	0.027	0.027	1063258	------	183618
HD7BEL02	0.375	0.326	0.027	0.027	1134508	------	183618
HD7BSP02 US	0.375	0.340	0.027	0.027	1661759	------	183618
HD7BSP02 DS	0.375	0.340	0.027	0.027	1661759	------	183618
HD7BTE01(U/S)	0.375	0.318	0.027	0.027	941611	------	183618
HD7BTE01(D/S)	0.375	0.215	0.027	0.027	217002	------	183618
HD7BTE01(BR.)	0.375	0.328	0.027	0.027	1173276	------	183618
HD7BSP03 US	0.375	0.347	0.027	0.027	2123104	------	183618
HD7BSP03 DS	0.375	0.347	0.027	0.027	2123104	------	183618
HD7BTE02(U/S)	0.375	0.318	0.027	0.027	941611	------	183618
HD7BTE02(D/S)	0.375	0.215	0.027	0.027	217002	------	183618
HD7BTE02(BR.)	0.375	0.328	0.027	0.027	1173276	------	183618
HD7BVA01	0.375	0.306	0.029	0.029	734039	------	183618
HD7BSP04 DS	0.375	0.344	0.027	0.027	1913401	------	183618
HD7BSP04 DS	0.375	0.344	0.027	0.027	1913401	------	183618
HD7BEL03	0.375	0.324	0.027	0.027	1063258	------	183618
HD7BSP05	0.375	0.340	0.027	0.027	1661759	------	183618
HD7BEL04	0.375	0.324	0.027	0.027	1063258	------	183618
HD7BSP06 US	0.375	0.331	0.027	0.027	1258082	------	183618
HD7BSP06 DS	0.375	0.331	0.027	0.027	1258082	------	183618
HD7BTE03(U/S)	0.375	0.318	0.027	0.027	941611	------	183618
HD7BTE03(D/S)	0.375	0.215	0.027	0.027	217002	------	183618
HD7BTE03(BR.)	0.375	0.328	0.027	0.027	1173276	------	183618
HD7BSP07 US	0.375	0.347	0.027	0.027	2123104	------	183618
HD7BSP07 DS	0.375	0.347	0.027	0.027	2123104	------	183618
HD7BEL05	0.375	0.324	0.027	0.027	1063258	------	183618
HD7BSP08 US	0.375	0.340	0.027	0.027	1661759	------	183618
HD7BSP08 DS	0.375	0.340	0.027	0.027	1661759	------	183618
HD7BEL06	0.375	0.329	0.027	0.027	1214395	------	183618
HD7BSP09 US	0.375	0.344	0.027	0.027	1913401	------	183618
HD7BSP09 DS	0.375	0.344	0.027	0.027	1913401	------	183618
HD7BEL07	0.375	0.329	0.027	0.027	1214395	------	183618
HD7BSP10 US	0.375	0.344	0.027	0.027	1913401	------	183618
HD7BSP10 DS	0.375	0.344	0.027	0.027	1913401	------	183618
HD7BEL08	0.375	0.324	0.027	0.027	1063258	------	183618
HD7BSP11 US	0.375	0.340	0.027	0.027	1661759	------	183618
HD7BSP11 DS	0.375	0.340	0.027	0.027	1661759	------	183618
HD7BRD02(L/E)	0.375	0.340	0.027	0.027	1661759	------	183618
HD7BRD02(S/E)	0.375	0.343	0.023	0.023	1808534	------	183618
HD7BVA02A	0.375	0.339	0.023	0.023	1609319	------	183618
HD7BVA02	0.750	0.749	0.019	0.019	181124240	------	183618

===>Grouped by Line: 053-20"-HD-25B, No Sorting.

HD7BVA02B	0.750	0.617	0.023	0.023	819875	------	183618
HD25RD02(L/E)	0.500	0.499	0.032	0.032	69790608	------	183618
HD25RD02(S/E)	0.500	0.499	0.022	0.022	69567344	------	183618
HD25SP02	0.500	0.499	0.032	0.032	69790608	------	183618

Note:
[1] Predictions are based on last Tmeas to analysis ending period.

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JCRTB

Company: V : Yankee Nuclear Power Corporation Report Date: 13-JUN-2000 Tim :44:45
Plant: Ver. Yankee Analysis Date: 13-JUN-2000 Time: 4:44:01
Unit: CHECWORKS FAC Version 1.0F (Build 52)
DB Name: VY

****
*** Wear Rate Analysis: Wear Rates/Input Data Report ***
****

Run Name: 4th Pt Heater Drain
Ending Period: Cycle 20
Total Plant Operating Hours: 183618 Duty Factor (Global): 1.000
WRA Data Option: Ignore NFA Exclude Measure Wear: No
Line Correction Factor: 48.377

Component Name	Geom. Code	Average Wear Rate (mils/year)	Current Wear Rate (mils/year)	Temp. (F)	Velocity (ft/s)	Steam Quality	Diameter (in)
===>Grouped by Line: 046-16"-HD-07A, No Sorting.							
HD7ASP01	31	0.019	0.019	173.2	2.902	0.000	18.000
HD7ASP01A	31	2.702	2.702	173.2	2.902	0.000	18.000
HD7ARD01(L/E)	7	1.841	1.841	173.2	2.819	0.000	18.000
HD7ARD01(S/E)	7	2.117	2.117	173.2	3.607	0.000	16.000
HD7AEL01	4	2.447	2.447	173.2	3.607	0.000	16.000
HD7ASP02 US	54	2.117	2.117	173.2	3.607	0.000	16.000
HD7ASP02 DS	54	2.117	2.117	173.2	3.607	0.000	16.000
HD7ATE01(U/S)	12	2.712	2.712	173.2	3.607	0.000	16.000
HD7ATE01(D/S)	12	7.617	7.617	229.0	7.356	0.000	16.000
HD7ATE01(BR.)	12	2.249	2.249	173.2	3.607	0.000	16.000
HD7AEL02	4	2.447	2.447	173.2	3.607	0.000	16.000
HD7ASP03 US	54	2.117	2.117	173.2	3.607	0.000	16.000
HD7ASP03 DS	54	2.117	2.117	173.2	3.607	0.000	16.000
HD7AVA01	22	3.307	3.307	173.2	3.607	0.000	16.000
HD7AEL03	4	2.447	2.447	173.2	3.607	0.000	16.000
HD7AEL04	4	2.447	2.447	173.2	3.607	0.000	16.000
HD7ASP04	54	2.117	2.117	173.2	3.607	0.000	16.000
HD7AEL05	2	2.447	2.447	173.2	3.607	0.000	16.000
HD7ASP05 US	52	1.654	1.654	173.2	3.607	0.000	16.000
HD7ASP05 DS	52	1.654	1.654	173.2	3.607	0.000	16.000
HD7ATE02(U/S)	15	1.984	1.984	173.2	3.607	0.000	16.000
HD7ATE02(D/S)	15	1.984	1.984	173.2	3.607	0.000	16.000
HD7ASP06 US	65	1.323	1.323	173.2	3.607	0.000	16.000
HD7ASP06 DS	65	1.323	1.323	173.2	3.607	0.000	16.000
HD7AEL06	2	2.447	2.447	173.2	3.607	0.000	16.000
HD7ASP07 US	52	1.654	1.654	173.2	3.607	0.000	16.000
HD7ASP07 DS	52	1.654	1.654	173.2	3.607	0.000	16.000
HD7AEL07	2	2.447	2.447	173.2	3.607	0.000	16.000
HD7ASP08 US	52	1.654	1.654	173.2	3.607	0.000	16.000
HD7ASP08 DS	52	1.654	1.654	173.2	3.607	0.000	16.000
HD7AEL08	1	2.183	2.183	173.2	3.607	0.000	16.000
HD7ASP09 US	51	1.455	1.455	173.2	3.607	0.000	16.000
HD7ASP09 DS	51	1.455	1.455	173.2	3.607	0.000	16.000
HD7AEL09	2	2.447	2.447	173.2	3.607	0.000	16.000
HD7ASP10 US	52	1.654	1.654	173.2	3.607	0.000	16.000
HD7ASP10 DS	52	1.654	1.654	173.2	3.607	0.000	16.000
HD7ATE03(U/S)	15	1.984	1.984	173.2	3.607	0.000	16.000
HD7ATE03(D/S)	15	1.984	1.984	173.2	3.607	0.000	16.000
HD7ACP01	65	0.084	0.084	173.2	0.132	0.000	8.625
HD7ASP11 US	65	1.323	1.323	173.2	3.607	0.000	16.000
HD7ASP11 DS	65	1.323	1.323	173.2	3.607	0.000	16.000
HD7AEL10	2	2.447	2.447	173.2	3.607	0.000	16.000
HD7ASP12 US	52	1.654	1.654	173.2	3.607	0.000	16.000
HD7ASP12 DS	9	0.728	0.728	173.2	3.607	0.000	16.000
HD7AEL11	2	2.447	2.447	173.2	3.607	0.000	16.000
HD7ASP13 US	52	1.654	1.654	173.2	3.607	0.000	16.000
HD7ASP13 DS	52	1.654	1.654	173.2	3.607	0.000	16.000
HD7ARD02(L/E)	17	1.654	1.654	173.2	3.607	0.000	16.000
HD7ARD02(S/E)	17	1.547	1.547	173.2	4.778	0.000	14.000
HD7AVA02A	67	1.718	1.718	173.2	4.778	0.000	14.000
HD7AVA02	24	0.035	0.035	173.2	5.368	0.000	14.000
===>Grouped by Line: 046-20"-HD-25A, No Sorting.							
HD25VA02B	58	6.344	6.344	168.1	28.178	0.005	14.000
HD25RD01(L/E)	18	0.059	0.059	168.1	10.577	0.005	20.000
HD25RD01(S/E)	18	0.060	0.060	168.1	25.847	0.005	14.000

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JCATZ

HD25SP01	30	0.059	0.059	168.1	10.577	0.005	.000

===>Grouped by Line: 053-16"-HD-07B, No Sorting.

HD7BSP01	31	0.019	0.019	173.2	2.902	0.000	18.000
HD7BSP01A	31	2.702	2.702	173.2	2.902	0.000	18.000
HD7BRD01(L/E)	7	1.841	1.841	173.2	2.819	0.000	18.000
HD7BRD01(S/E)	7	2.117	2.117	173.2	3.607	0.000	16.000
HD7BEL01	4	2.447	2.447	173.2	3.607	0.000	16.000
HD7BEL02	3	2.315	2.315	173.2	3.607	0.000	16.000
HD7BSP02 US	53	1.654	1.654	173.2	3.607	0.000	16.000
HD7BSP02 DS	53	1.654	1.654	173.2	3.607	0.000	16.000
HD7BTE01(U/S)	12	2.712	2.712	173.2	3.607	0.000	16.000
HD7BTE01(D/S)	12	7.617	7.617	229.0	7.356	0.000	16.000
HD7BTE01(BR.)	12	2.249	2.249	173.2	3.607	0.000	16.000
HD7BSP03 US	62	1.323	1.323	173.2	3.607	0.000	16.000
HD7BSP03 DS	62	1.323	1.323	173.2	3.607	0.000	16.000
HD7BTE02(U/S)	12	2.712	2.712	173.2	3.607	0.000	16.000
HD7BTE02(D/S)	12	7.617	7.617	229.0	7.356	0.000	16.000
HD7BTE02(BR.)	12	2.249	2.249	173.2	3.607	0.000	16.000
HD7BVA01	22	3.307	3.307	173.2	3.607	0.000	16.000
HD7BSP04 DS	58	1.455	1.455	173.2	3.607	0.000	16.000
HD7BSP04 DS	58	1.455	1.455	173.2	3.607	0.000	16.000
HD7BEL03	2	2.447	2.447	173.2	3.607	0.000	16.000
HD7BSP05	52	1.654	1.654	173.2	3.607	0.000	16.000
HD7BEL04	4	2.447	2.447	173.2	3.607	0.000	16.000
HD7BSP06 US	54	2.117	2.117	173.2	3.607	0.000	16.000
HD7BSP06 DS	54	2.117	2.117	173.2	3.607	0.000	16.000
HD7BTE03(U/S)	12	2.712	2.712	173.2	3.607	0.000	16.000
HD7BTE03(D/S)	12	7.617	7.617	229.0	7.356	0.000	16.000
HD7BTE03(BR.)	12	2.249	2.249	173.2	3.607	0.000	16.000
HD7BSP07 US	62	1.323	1.323	173.2	3.607	0.000	16.000
HD7BSP07 DS	62	1.323	1.323	173.2	3.607	0.000	16.000
HD7BEL05	2	2.447	2.447	173.2	3.607	0.000	16.000
HD7BSP08 US	52	1.654	1.654	173.2	3.607	0.000	16.000
HD7BSP08 DS	52	1.654	1.654	173.2	3.607	0.000	16.000
HD7BEL06	1	2.183	2.183	173.2	3.607	0.000	16.000
HD7BSP09 US	51	1.455	1.455	173.2	3.607	0.000	16.000
HD7BSP09 DS	51	1.455	1.455	173.2	3.607	0.000	16.000
HD7BEL07	1	2.183	2.183	173.2	3.607	0.000	16.000
HD7BSP10 US	51	1.455	1.455	173.2	3.607	0.000	16.000
HD7BSP10 DS	51	1.455	1.455	173.2	3.607	0.000	16.000
HD7BEL08	2	2.447	2.447	173.2	3.607	0.000	16.000
HD7BSP11 US	52	1.654	1.654	173.2	3.607	0.000	16.000
HD7BSP11 DS	52	1.654	1.654	173.2	3.607	0.000	16.000
HD7BRD02(L/E)	17	1.654	1.654	173.2	3.607	0.000	16.000
HD7BRD02(S/E)	17	1.547	1.547	173.2	4.778	0.000	14.000
HD7BVA02A	67	1.718	1.718	173.2	4.778	0.000	14.000
HD7BVA02	24	0.035	0.035	173.2	5.368	0.000	14.000

===>Grouped by Line: 053-20"-HD-25B, No Sorting.

HD7BVA02B	58	6.344	6.344	168.1	28.178	0.005	14.000
HD25RD02(L/E)	18	0.059	0.059	168.1	10.577	0.005	20.000
HD25RD02(S/E)	18	0.060	0.060	168.1	25.847	0.005	14.000
HD25SP02	30	0.059	0.059	168.1	10.577	0.005	20.000

4th PT. HTR DRAINS
Pr AREA

Fifth point heater drain

Company: V Yankee Nuclear Power Corporation
Plant: Verm. Yankee
Unit:
DB Name: VY

Report Date: 13-JUN-2000 Time 57:39
Analysis Date: 13-JUN-2000 Time 56:52
CHECWORKS FAC Version 1.0F (Build 52)

****
*** Wear Rate Analysis: Thickness/Service Time Report ***
****

Run Name: 5th Pt Heater Drains
Ending Period: Cycle 20
Total Plant Operating Hours: 183618
WRA Data Option: Ignore NFA
Line Correction Factor: 1.000

Duty Factor (Global): 1.000
Exclude Measure Wear: No

Component Name	Thickness (in) Init.	Prd.[1]	Thoop	Tcrit	Component Predicted[1] Time to Tcrit (hrs) Non-Inspected	Inspected	Component Actual Service Time (hrs)
===>Grouped by Line: 049-16"-HD-14A, No Sorting.							
HD14SP05	0.375	0.356	0.027	0.027	3133105	------	183618
HD14VA02A	0.375	0.356	0.027	0.027	3133105	------	183618
HD14VA02	0.500	0.500	0.022	0.022	239142448	------	183618
===>Grouped by Line: 049-20"-HD-14A, No Sorting.							
HD14SP01	0.375	0.371	0.033	0.033	1983856	------	23147
HD14EL01	0.375	0.372	0.033	0.033	2689019	------	23147
HD14SP02 US	0.375	0.372	0.033	0.033	3112796	------	23147
HD14SP02 DS	0.375	0.372	0.033	0.033	3112796	------	23147
HD14EL02	0.375	0.372	0.033	0.033	3017767	------	23147
HD14SP03 US	0.375	0.361	0.033	0.033	4377754	------	183618
HD14SP03 DS	0.375	0.361	0.033	0.033	4377754	------	183618
HD14TE01(U/S)	0.375	0.356	0.033	0.033	3161388	------	183618
HD14TE01(D/S)	0.375	0.356	0.033	0.033	3161388	------	183618
HD14SP04	0.375	0.362	0.033	0.033	4833892	------	183618
HD14EL03	0.375	0.352	0.033	0.033	2528549	------	183618
HD14RD01(L/E)	0.375	0.353	0.033	0.033	2683530	------	183618
HD14RD01(S/E)	0.375	0.344	0.027	0.027	1889333	------	183618
HD14VA01	0.500	0.500	0.022	0.022	239142448	------	183618
===>Grouped by Line: 049-24"-HD-17A, No Sorting.							
HD17RD01(L/E)	0.500	0.444	0.040	0.040	1321921	------	183618
HD17RD01(S/E)	0.500	0.383	0.027	0.027	557815	------	183618
HD17SP01	0.500	0.425	0.040	0.040	945536	------	183618
===>Grouped by Line: 049-24"-HD-17C, No Sorting.							
HD14VA02B	0.844	0.743	0.027	0.027	1308706	------	183618
HD17RD03(L/E)	0.500	0.444	0.040	0.040	1321921	------	183618
HD17RD03(S/E)	0.500	0.383	0.027	0.027	557815	------	183618
HD17SP03	0.500	0.425	0.040	0.040	945536	------	183618
===>Grouped by Line: 056-16"-HD-14B, No Sorting.							
HD15SP10	0.375	0.356	0.027	0.027	3133105	------	183618
HD14VA04A	0.375	0.356	0.027	0.027	3133105	------	183618
HD14VA04	0.500	0.500	0.022	0.022	239142448	------	183618
===>Grouped by Line: 056-20"-HD-14B, No Sorting.							
HD14SP06	0.375	0.371	0.033	0.033	1983856	------	23147
HD14EL04	0.375	0.372	0.033	0.033	2689019	------	23147
HD14SP07 US	0.375	0.372	0.033	0.033	3112796	------	23147
HD14SP07 DS	0.375	0.372	0.033	0.033	3112796	------	23147
HD14EL05	0.375	0.372	0.033	0.033	3017767	------	23147
HD14SP08 US	0.375	0.361	0.033	0.033	4377754	------	183618
HD14SP08 DS	0.375	0.361	0.033	0.033	4377754	------	183618
HD14TE02(U/S)	0.375	0.356	0.033	0.033	3161388	------	183618
HD14TE02(D/S)	0.375	0.356	0.033	0.033	3161388	------	183618
HD14SP09	0.375	0.362	0.033	0.033	4833892	------	183618
HD14EL06	0.375	0.352	0.033	0.033	2528549	------	183618
HD14RD02(L/E)	0.375	0.353	0.033	0.033	2683530	------	183618
HD14RD02(S/E)	0.375	0.344	0.027	0.027	1889333	------	183618
HD14VA03	0.500	0.500	0.022	0.022	239142448	------	183618

Run on 6/13/00

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===>Groupe ,ine: 056-24"-HD-17B, No Sorting.

HD17RD02(L/E)	0.500	0.444	0.040	0.040	1321921	------	183618
HD17RD02(S/E)	0.500	0.383	0.027	0.027	557815	------	183618
HD17SP02	0.500	0.425	0.040	0.040	945536	------	183618

===>Grouped by Line: 056-24"-HD-17D, No Sorting.

HD14VA04B	0.500	0.408	0.027	0.027	760024	------	183618
HD17RD04(L/E)	0.500	0.444	0.040	0.040	1321921	------	183618
HD17RD04(S/E)	0.500	0.383	0.027	0.027	557815	------	183618
HD17SP04	0.500	0.425	0.040	0.040	945536	------	183618

Note:
[1] Predictions are based on last Tmeas to analysis ending period.

5th Point HD

P42OPA

Company: V . Yankee Nuclear Power Corporation Report Date: 13-JUN-2000 Tim .57:36
Plant: Ver. Yankee Analysis Date: 13-JUN-2000 Time: :56:52
Unit: CHECWORKS FAC Version 1.0F (Build 52)
DB Name: VY

****
*** Wear Rate Analysis: Wear Rates/Input Data Report ***
****

Run Name: 5th Pt Heater Drains
Ending Period: Cycle 20
Total Plant Operating Hours: 183618 Duty Factor (Global): 1.000
WRA Data Option: Ignore NFA Exclude Measure Wear: No
Line Correction Factor: 1.000

Component Name	Geom. Code	Average Wear Rate (mils/year)	Current Wear Rate (mils/year)	Temp. (F)	Velocity (ft/s)	Steam Quality	Diameter (in)
===>Grouped by Line: 049-16"-HD-14A, No Sorting.							
HD14SP05	63	0.920	0.920	117.2	4.305	0.000	16.000
HD14VA02A	63	0.920	0.920	117.2	4.305	0.000	16.000
HD14VA02	24	0.017	0.017	117.2	4.449	0.000	16.000
===>Grouped by Line: 049-20"-HD-14A, No Sorting.							
HD14SP01	31	1.491	1.491	117.2	2.702	0.000	20.000
HD14EL01	4	1.104	1.104	117.2	2.702	0.000	20.000
HD14SP02 US	54	0.955	0.955	117.2	2.702	0.000	20.000
HD14SP02 DS	54	0.955	0.955	117.2	2.702	0.000	20.000
HD14EL02	1	0.984	0.984	117.2	2.702	0.000	20.000
HD14SP03 US	51	0.656	0.656	117.2	2.702	0.000	20.000
HD14SP03 DS	51	0.656	0.656	117.2	2.702	0.000	20.000
HD14TE01(U/S)	15	0.895	0.895	117.2	2.702	0.000	20.000
HD14TE01(D/S)	15	0.895	0.895	117.2	2.702	0.000	20.000
HD14SP04	65	0.597	0.597	117.2	2.702	0.000	20.000
HD14EL03	4	1.104	1.104	117.2	2.702	0.000	20.000
HD14RD01(L/E)	7	1.044	1.044	117.2	2.702	0.000	20.000
HD14RD01(S/E)	7	1.472	1.472	117.2	4.305	0.000	16.000
HD14VA01	24	0.017	0.017	117.2	4.449	0.000	16.000
===>Grouped by Line: 049-24"-HD-17A, No Sorting.							
HD17RD01(L/E)	18	2.677	2.677	105.3	36.111	0.011	24.000
HD17RD01(S/E)	18	5.593	5.593	105.3	104.446	0.011	16.000
HD17SP01	30	3.569	3.569	105.3	36.111	0.011	24.000
===>Grouped by Line: 049-24"-HD-17C, No Sorting.							
HD14VA02B	58	4.798	4.798	105.3	116.049	0.011	16.000
HD17RD03(L/E)	18	2.677	2.677	105.3	36.111	0.011	24.000
HD17RD03(S/E)	18	5.593	5.593	105.3	104.446	0.011	16.000
HD17SP03	30	3.569	3.569	105.3	36.111	0.011	24.000
===>Grouped by Line: 056-16"-HD-14B, No Sorting.							
HD15SP10	63	0.920	0.920	117.2	4.305	0.000	16.000
HD14VA04A	63	0.920	0.920	117.2	4.305	0.000	16.000
HD14VA04	24	0.017	0.017	117.2	4.449	0.000	16.000
===>Grouped by Line: 056-20"-HD-14B, No Sorting.							
HD14SP06	31	1.491	1.491	117.2	2.702	0.000	20.000
HD14EL04	4	1.104	1.104	117.2	2.702	0.000	20.000
HD14SP07 US	54	0.955	0.955	117.2	2.702	0.000	20.000
HD14SP07 DS	54	0.955	0.955	117.2	2.702	0.000	20.000
HD14EL05	1	0.984	0.984	117.2	2.702	0.000	20.000
HD14SP08 US	51	0.656	0.656	117.2	2.702	0.000	20.000
HD14SP08 DS	51	0.656	0.656	117.2	2.702	0.000	20.000
HD14TE02(U/S)	15	0.895	0.895	117.2	2.702	0.000	20.000
HD14TE02(D/S)	15	0.895	0.895	117.2	2.702	0.000	20.000
HD14SP09	65	0.597	0.597	117.2	2.702	0.000	20.000
HD14EL06	4	1.104	1.104	117.2	2.702	0.000	20.000
HD14RD02(L/E)	7	1.044	1.044	117.2	2.702	0.000	20.000
HD14RD02(S/E)	7	1.472	1.472	117.2	4.305	0.000	16.000
HD14VA03	24	0.017	0.017	117.2	4.449	0.000	16.000

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===>Groupe ,ine: 056-24"-HD-17B, No Sorting.

HD17RD02(L/E)	18	2.677	2.677	105.3	36.111	0.011	24.000
HD17RD02(S/E)	18	5.593	5.593	105.3	104.446	0.011	16.000
HD17SP02	30	3.569	3.569	105.3	36.111	0.011	24.000

===>Grouped by Line: 056-24"-HD-17D, No Sorting.

HD14VA04B	58	4.394	4.394	105.3	104.446	0.011	16.000
HD17RD04(L/E)	18	2.677	2.677	105.3	36.111	0.011	24.000
HD17RD04(S/E)	18	5.593	5.593	105.3	104.446	0.011	16.000
HD17SP04	30	3.569	3.569	105.3	36.111	0.011	24.000

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