# UT & RT Corrosion Report

**Do NOT use the data contained within this report for business decisions without consulting a FER representative.**

**Refinery Name: Richmond**

Report Date: May 21, 2013

**Parameters - Equipment Location Id:** f-1410 **LocStatus: Datapoint Status:** Both **Meas Method:** Both **Meas. Status:** Active and Inactive

| | | | |
|---|---|---|---|
| Functional Location: | F-1410 | Location Status: | ACTIVE |
| Equipment Type: | 291 | Functional Location Description: | REACTOR FEED FURNACE FROM E1410B TO R1410 |
| Unit ID: | 0417 | Location Type Descript: | Box Furnace |
| Unit Descript: | HV NEUT H/CRKR PLT 14 | | |

| | | | | |
|---|---|---|---|---|
| Max. CCR (Active DP): | 3.47 | at Datapoint ID: | T09-W | |
| Min. Rem Life Years (Active DP): | 103.99 | at Datapoint ID: | T09-W | |
| Last Inspect Date (Active DP): | 01/24/2007 | at Datapoint ID: | T16-W | (Multiple DPs with Last Inspection Date) |
| Next Inspect Date (Active DP): | 01/23/2017 | at Datapoint ID: | T16-W | (Multiple DPs with Next Inspection Date) |
| Retirement Date (Active DP): | 12/24/2110 | at Datapoint ID: | T09-W | |

**TML Group ID: A-16250-001**

| Datapoint ID | Meas Method | Datapoint Status | Datapoint Size | Datapoint Type | Next Inspection Date | Base Value & Date | Meas 5 Value Date & Status | Meas 4 Value Date & Status | Meas 3 Value Date & Status | Near Value & Date | Last Value & Date | Minimum Value | L.T.C.R. | S.T.C.R. | Current Corrosion Rate | Rem Life (Years) | Retire Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| N01 | UT | Active | 8.000 | NOZ | 01/23/17 | 1.090<br>08/01/87 | | | | | 1.140<br>01/24/07 | 0.282 | 0.00 | | 0.00 | | |
| N02 | UT | Active | 8.000 | NOZ | 01/23/17 | 1.080<br>08/01/87 | | | | | 1.160<br>01/24/07 | 0.282 | 0.00 | | 0.00 | | |
| T01-E | UT | Active | 8.000 | PIPE | 01/23/17 | 1.050<br>12/01/86 | 1.080<br>08/01/87<br>Active | 1.100<br>10/01/88<br>Active | 1.080<br>10/01/91<br>Active | 1.070<br>10/01/95 | 1.060<br>01/24/07 | 0.699 | 0.00 | 0.88 | 0.88 | 408.65 | 06/11/2415 |
| T01-M | UT | Active | 8.000 | PIPE | 01/23/17 | 1.050<br>12/01/86 | 1.080<br>08/01/87<br>Active | 1.100<br>10/01/88<br>Active | 1.080<br>10/01/91<br>Active | 1.110<br>10/01/95 | 1.080<br>01/24/07 | 0.699 | 0.00 | 2.65 | 2.65 | 143.82 | 10/14/2150 |
| T01-U | UT | Active | 8.000 | ELL | 01/23/17 | 1.040<br>12/01/86 | 1.010<br>08/01/87<br>Active | 1.010<br>10/01/88<br>Active | 1.020<br>10/18/91<br>Active | 1.030<br>10/02/95 | 1.080<br>01/24/07 | 0.699 | 0.00 | 0.00 | 0.00 | | |
| T01-W | UT | Active | 8.000 | PIPE | 01/23/17 | 1.050<br>12/01/86 | 1.080<br>08/01/87<br>Active | 1.100<br>10/01/88<br>Active | 1.080<br>10/01/91<br>Active | 1.100<br>10/01/95 | 1.080<br>01/24/07 | 0.699 | 0.00 | 1.77 | 1.77 | 215.77 | 09/09/2222 |

| Datapoint ID | Meas Method | Datapoint Status | Datapoint Size | Datapoint Type | Next Inspection Date | Base Value & Date | Meas 5 Value Date & Status | Meas 4 Value Date & Status | Meas 3 Value Date & Status | Near Value & Date | Last Value & Date | Minimum Value | L.T.C.R. | S.T.C.R. | Current Corrosion Rate | Rem Life (Years) | Retire Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T02-E | UT | Active | 8.000 | PIPE | 01/23/17 | 1.070<br>12/01/86 | 1.110<br>08/01/87<br>Active | 1.120<br>10/01/88<br>Active | 1.110<br>10/01/91<br>Active | 1.080<br>10/01/95 | 1.060<br>01/24/07 | 0.699 | 0.50 | 1.77 | 1.77 | 204.44 | 05/15/2211 |
| T02-M | UT | Active | 8.000 | PIPE | 01/23/17 | 1.070<br>12/01/86 | 1.110<br>08/01/87<br>Active | 1.120<br>10/01/88<br>Inactive | 1.110<br>10/01/91<br>Active | 1.110<br>10/01/91 | 1.060<br>01/24/07 | 0.699 | 0.50 | 3.26 | 3.26 | 110.64 | 08/19/2117 |
| T02-U | UT | Active | 8.000 | ELL | 01/23/17 | 0.960<br>12/01/86 | 0.980<br>08/01/87<br>Active | 0.980<br>10/01/88<br>Active | 0.990<br>10/18/91<br>Active | 1.000<br>10/02/95 | 1.000<br>01/24/07 | 0.699 | 0.00 | 0.00 | 0.00 | | |
| T02-W | UT | Active | 8.000 | PIPE | 01/23/17 | 1.070<br>12/01/86 | 1.110<br>08/01/87<br>Active | 1.120<br>10/01/88<br>Active | 1.110<br>10/01/91<br>Active | 1.110<br>10/01/95 | 1.080<br>01/24/07 | 0.699 | 0.00 | 2.65 | 2.65 | 143.82 | 10/14/2150 |
| T03-E | UT | Active | 8.000 | PIPE | 01/23/17 | 1.150<br>12/01/86 | 1.160<br>08/01/87<br>Active | 1.140<br>10/01/88<br>Active | 1.160<br>10/01/91<br>Active | 1.140<br>10/01/95 | 1.120<br>01/24/07 | 0.699 | 1.49 | 1.77 | 1.77 | 238.42 | 04/29/2245 |
| T03-M | UT | Active | 8.000 | PIPE | 01/23/17 | 1.150<br>12/01/86 | 1.160<br>08/01/87<br>Active | 1.140<br>10/01/88<br>Active | 1.160<br>10/01/91<br>Active | 1.180<br>10/01/95 | 1.170<br>01/24/07 | 0.699 | 0.00 | 0.88 | 0.88 | 533.17 | 11/18/2539 |
| T03-U | UT | Active | 8.000 | ELL | 01/23/17 | 1.060<br>12/01/86 | 1.000<br>08/01/87<br>Active | 1.010<br>10/01/88<br>Active | 1.070<br>10/18/91<br>Active | 1.060<br>10/02/95 | 1.030<br>01/24/07 | 0.699 | 1.49 | 2.65 | 2.65 | 124.90 | 11/17/2131 |
| T03-W | UT | Active | 8.000 | PIPE | 01/23/17 | 1.150<br>12/01/86 | 1.160<br>08/01/87<br>Active | 1.140<br>10/01/88<br>Active | 1.160<br>10/01/91<br>Active | 1.170<br>10/01/95 | 1.160<br>01/24/07 | 0.699 | 0.00 | 0.88 | 0.88 | 521.85 | 07/26/2528 |
| T04-E | UT | Active | 8.000 | PIPE | 01/23/17 | 1.120<br>12/01/86 | 1.140<br>08/01/87<br>Active | 1.140<br>10/01/88<br>Active | 1.140<br>10/01/91<br>Active | 1.150<br>10/01/95 | 1.120<br>01/24/07 | 0.699 | 0.00 | 2.65 | 2.65 | 158.92 | 11/15/2165 |
| T04-M | UT | Active | 8.000 | PIPE | 01/23/17 | 1.120<br>12/01/86 | 1.140<br>08/01/87<br>Active | 1.140<br>10/01/88<br>Active | 1.140<br>10/01/91<br>Active | 1.130<br>10/01/95 | 1.120<br>01/24/07 | 0.699 | 0.00 | 0.88 | 0.88 | 476.57 | 04/26/2483 |
| T04-U | UT | Active | 8.000 | ELL | 01/23/17 | 1.000<br>12/01/86 | 1.000<br>08/01/87<br>Active | 1.000<br>10/01/88<br>Active | 1.000<br>10/18/91<br>Active | 1.090<br>10/02/95 | 1.070<br>01/24/07 | 0.699 | 0.00 | 1.77 | 1.77 | 209.99 | 11/28/2216 |
| T04-W | UT | Active | 8.000 | PIPE | 01/23/17 | 1.120<br>12/01/86 | 1.140<br>08/01/87<br>Active | 1.140<br>10/01/88<br>Active | 1.140<br>10/01/91<br>Active | 1.130<br>10/01/95 | 1.120<br>01/24/07 | 0.699 | 0.00 | 0.88 | 0.88 | 476.57 | 04/26/2483 |

| Datapoint ID | Meas Method | Datapoint Status | Datapoint Size | Datapoint Type | Next Inspection Date | Base Value & Date | Meas 5 Value Date & Status | Meas 4 Value Date & Status | Meas 3 Value Date & Status | Near Value & Date | Last Value & Date | Minimum Value | L.T.C.R. | S.T.C.R. | Current Corrosion Rate | Rem Life (Years) | Retire Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T05-E | UT | Active | 8.000 | PIPE | 01/23/17 | 1.110<br>12/01/86 | 1.090<br>08/01/87<br>Active | 1.090<br>10/01/88<br>Active | 1.130<br>10/01/91<br>Active | 1.140<br>10/01/95 | 1.120<br>01/24/07 | 0.699 | 0.00 | 1.77 | 1.77 | 238.42 | 04/29/2245 |
| T05-M | UT | Active | 8.000 | PIPE | 01/23/17 | 1.110<br>12/01/86 | 1.090<br>08/01/87<br>Active | 1.090<br>10/01/88<br>Active | 1.130<br>10/01/91<br>Active | 1.130<br>10/01/95 | 1.120<br>01/24/07 | 0.699 | 0.00 | 0.88 | 0.88 | 476.57 | 04/26/2483 |
| T05-U | UT | Active | 8.000 | ELL | 01/23/17 | 1.020<br>12/01/86 | 1.010<br>08/01/87<br>Active | 1.020<br>10/01/88<br>Active | 1.050<br>10/18/91<br>Active | 1.040<br>10/02/95 | 1.020<br>01/24/07 | 0.699 | 0.00 | 1.77 | 1.77 | 181.69 | 08/17/2188 |
| T05-W | UT | Active | 8.000 | PIPE | 01/23/17 | 1.110<br>12/01/86 | 1.090<br>08/01/87<br>Active | 1.090<br>10/01/88<br>Active | 1.130<br>10/01/91<br>Active | 1.100<br>10/01/95 | 1.080<br>01/24/07 | 0.699 | 1.49 | 1.77 | 1.77 | 215.77 | 09/09/2222 |
| T06-E | UT | Active | 8.000 | PIPE | 01/23/17 | 1.140<br>12/01/86 | 1.060<br>08/01/87<br>Active | 1.140<br>10/01/88<br>Active | 1.140<br>10/01/91<br>Active | 1.140<br>10/01/95 | 1.120<br>01/24/07 | 0.699 | 0.99 | 1.77 | 1.77 | 238.42 | 04/29/2245 |
| T06-M | UT | Active | 8.000 | PIPE | 01/23/17 | 1.140<br>12/01/86 | 1.060<br>08/01/87<br>Active | 1.140<br>10/01/88<br>Active | 1.140<br>10/01/91<br>Active | 1.130<br>10/01/95 | 1.120<br>01/24/07 | 0.699 | 0.99 | 0.88 | 0.99 | 424.26 | 01/15/2431 |
| T06-U | UT | Active | 8.000 | ELL | 01/23/17 | 1.000<br>12/01/86 | 1.000<br>08/01/87<br>Active | 1.020<br>10/01/88<br>Active | 1.000<br>10/18/91<br>Active | 1.000<br>10/02/95 | 0.980<br>01/24/07 | 0.699 | 0.99 | 1.77 | 1.77 | 159.05 | 01/01/2166 |
| T06-W | UT | Active | 8.000 | PIPE | 01/23/17 | 1.140<br>12/01/86 | 1.060<br>08/01/87<br>Active | 1.140<br>10/01/88<br>Active | 1.140<br>10/01/91<br>Active | 1.120<br>10/01/95 | 1.100<br>01/24/07 | 0.699 | 1.98 | 1.77 | 1.98 | 202.15 | 01/31/2209 |
| T07-E | UT | Active | 8.000 | PIPE | 01/23/17 | 1.160<br>12/01/86 | 1.180<br>08/01/87<br>Active | 1.180<br>10/01/88<br>Active | 1.180<br>10/01/91<br>Active | 1.150<br>10/01/95 | 1.140<br>01/24/07 | 0.699 | 0.99 | 0.88 | 0.99 | 444.41 | 03/07/2451 |
| T07-M | UT | Active | 8.000 | PIPE | 01/23/17 | 1.160<br>12/01/86 | 1.180<br>08/01/87<br>Active | 1.180<br>10/01/88<br>Active | 1.180<br>10/01/91<br>Active | 1.160<br>10/01/95 | 1.140<br>01/24/07 | 0.699 | 0.99 | 1.77 | 1.77 | 249.75 | 08/23/2256 |
| T07-U | UT | Active | 8.000 | ELL | 01/23/17 | 1.020<br>12/01/86 | 0.990<br>08/01/87<br>Active | 1.040<br>10/01/88<br>Active | 1.000<br>10/18/91<br>Active | 0.980<br>10/02/95 | 0.980<br>01/24/07 | 0.699 | 1.98 | 0.00 | 1.98 | 141.66 | 08/17/2148 |
| T07-W | UT | Active | 8.000 | PIPE | 01/23/17 | 1.160<br>12/01/86 | 1.180<br>08/01/87<br>Active | 1.180<br>10/01/88<br>Active | 1.180<br>10/01/91<br>Active | 1.160<br>10/01/95 | 1.150<br>01/24/07 | 0.699 | 0.50 | 0.88 | 0.88 | 510.53 | 04/03/2517 |

| Datapoint ID | Meas Method | Datapoint Status | Datapoint Size | Datapoint Type | Next Inspection Date | Base Value & Date | Meas 5 Value Date & Status | Meas 4 Value Date & Status | Meas 3 Value Date & Status | Near Value & Date | Last Value & Date | Minimum Value | L.T.C.R. | S.T.C.R. | Current Corrosion Rate | Rem Life (Years) | Retire Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T08-E | UT | Active | 8.000 | PIPE | 01/23/17 | 1.120<br>12/01/86 | 1.120<br>08/01/87<br>Active | 1.160<br>10/01/88<br>Active | 1.120<br>10/01/91<br>Active | 1.090<br>10/01/95 | 1.070<br>01/24/07 | 0.699 | 2.48 | 1.77 | 2.48 | 149.58 | 07/17/2156 |
| T08-M | UT | Active | 8.000 | PIPE | 01/23/17 | 1.120<br>12/01/86 | 1.120<br>08/01/87<br>Active | 1.160<br>10/01/88<br>Active | 1.120<br>10/01/91<br>Active | 1.150<br>10/01/95 | 1.130<br>01/24/07 | 0.699 | 0.00 | 1.77 | 1.77 | 244.08 | 12/26/2250 |
| T08-U | UT | Active | 8.000 | ELL | 01/23/17 | 1.000<br>12/01/86 | 1.020<br>08/01/87<br>Active | 1.040<br>10/01/88<br>Active | 1.040<br>10/18/91<br>Active | 1.030<br>10/02/95 | 1.000<br>01/24/07 | 0.699 | 0.00 | 2.65 | 2.65 | 113.58 | 07/25/2120 |
| T08-W | UT | Active | 8.000 | PIPE | 01/23/17 | 1.120<br>12/01/86 | 1.120<br>08/01/87<br>Active | 1.160<br>10/01/88<br>Active | 1.120<br>10/01/91<br>Active | 1.150<br>10/01/95 | 1.130<br>01/24/07 | 0.699 | 0.00 | 1.77 | 1.77 | 244.08 | 12/26/2250 |
| T09-E | UT | Active | 8.000 | PIPE | 01/23/17 | 1.130<br>12/01/86 | 1.130<br>08/01/87<br>Active | 1.150<br>10/01/88<br>Active | 1.100<br>10/01/91<br>Active | 1.110<br>10/01/95 | 1.080<br>01/24/07 | 0.699 | 2.48 | 2.65 | 2.65 | 143.82 | 10/14/2150 |
| T09-M | UT | Active | 8.000 | PIPE | 01/23/17 | 1.130<br>12/01/86 | 1.130<br>08/01/87<br>Active | 1.150<br>10/01/88<br>Active | 1.100<br>10/01/91<br>Active | 1.120<br>10/01/95 | 1.100<br>01/24/07 | 0.699 | 1.49 | 1.77 | 1.77 | 227.09 | 01/03/2234 |
| T09-U | UT | Active | 8.000 | ELL | 01/23/17 | 0.980<br>12/01/86 | 0.980<br>08/01/87<br>Active | 0.980<br>10/01/88<br>Active | 0.990<br>10/18/91<br>Active | 0.970<br>10/02/95 | 0.950<br>01/24/07 | 0.699 | 1.49 | 1.77 | 1.77 | 142.07 | 01/12/2149 |
| T09-W | UT | Active | 8.000 | PIPE | 01/23/17 | 1.130<br>12/01/86 | 1.130<br>08/01/87<br>Active | 1.150<br>10/01/88<br>Active | 1.100<br>10/01/91<br>Active | 1.090<br>10/01/95 | 1.060<br>01/24/07 | 0.699 | 3.47 | 2.65 | 3.47 | 103.99 | 12/24/2110 |
| T10-E | UT | Active | 8.000 | PIPE | 01/23/17 | 1.050<br>12/01/86 | 1.060<br>08/01/87<br>Active | 1.080<br>10/01/88<br>Active | 1.070<br>10/01/91<br>Active | 1.040<br>10/01/95 | 1.050<br>01/24/07 | 0.699 | 0.00 | 0.00 | 0.00 | | |
| T10-M | UT | Active | 8.000 | PIPE | 01/23/17 | 1.050<br>12/01/86 | 1.060<br>08/01/87<br>Active | 1.080<br>10/01/88<br>Active | 1.070<br>10/01/91<br>Active | 1.080<br>10/01/95 | 1.070<br>01/24/07 | 0.699 | 0.00 | 0.88 | 0.88 | 419.97 | 10/03/2426 |
| T10-U | UT | Active | 8.000 | ELL | 01/23/17 | 1.020<br>12/01/86 | 1.040<br>08/01/87<br>Active | 1.080<br>10/01/88<br>Active | 1.040<br>10/18/91<br>Active | 1.040<br>10/02/95 | 1.030<br>01/24/07 | 0.699 | 0.00 | 0.88 | 0.88 | 374.69 | 07/04/2381 |
| T10-W | UT | Active | 8.000 | PIPE | 01/23/17 | 1.050<br>12/01/86 | 1.060<br>08/01/87<br>Active | 1.080<br>10/01/88<br>Active | 1.070<br>10/01/91<br>Active | 1.100<br>10/01/95 | 1.080<br>01/24/07 | 0.699 | 0.00 | 1.77 | 1.77 | 215.77 | 09/09/2222 |

| Datapoint ID | Meas Method | Datapoint Status | Datapoint Size | Datapoint Type | Next Inspection Date | Base Value & Date | Meas 5 Value Date & Status | Meas 4 Value Date & Status | Meas 3 Value Date & Status | Near Value & Date | Last Value & Date | Minimum Value | L.T.C.R. | S.T.C.R. | Current Corrosion Rate | Rem Life (Years) | Retire Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T11-E | UT | Active | 8.000 | PIPE | 01/23/17 | 1.150<br>12/01/86 | 1.140<br>08/01/87<br>Active | 1.180<br>10/01/88<br>Active | 1.160<br>10/01/91<br>Active | 1.050<br>10/01/95 | 1.130<br>01/24/07 | 0.699 | 0.99 | 0.00 | 0.99 | 434.34 | 02/09/2441 |
| T11-M | UT | Active | 8.000 | PIPE | 01/23/17 | 1.150<br>12/01/86 | 1.140<br>08/01/87<br>Active | 1.180<br>10/01/88<br>Active | 1.160<br>10/01/91<br>Active | 1.170<br>10/01/95 | 1.140<br>01/24/07 | 0.699 | 0.50 | 2.65 | 2.65 | 166.47 | 06/02/2173 |
| T11-U | UT | Active | 8.000 | ELL | 01/23/17 | 1.040<br>08/01/84 | 1.000<br>08/01/87<br>Active | 1.040<br>10/01/88<br>Active | 1.020<br>10/18/91<br>Active | 1.010<br>10/02/95 | 1.000<br>01/24/07 | 0.699 | 1.78 | 0.88 | 1.78 | 169.31 | 04/05/2176 |
| T11-W | UT | Active | 8.000 | PIPE | 01/23/17 | 1.150<br>12/01/86 | 1.140<br>08/01/87<br>Active | 1.180<br>10/01/88<br>Active | 1.160<br>10/01/91<br>Active | 1.160<br>10/01/95 | 1.140<br>01/24/07 | 0.699 | 0.50 | 1.77 | 1.77 | 249.75 | 08/23/2256 |
| T12-E | UT | Active | 8.000 | PIPE | 01/23/17 | 1.160<br>08/01/84 | 1.190<br>10/01/88<br>Active | 1.170<br>10/01/91<br>Active | 1.210<br>08/01/94<br>Active | 1.170<br>10/01/95 | 1.150<br>01/24/07 | 0.699 | 0.44 | 1.77 | 1.77 | 255.41 | 04/21/2262 |
| T12-M | UT | Active | 8.000 | PIPE | 01/23/17 | 1.160<br>08/01/84 | 1.190<br>10/01/88<br>Active | 1.170<br>10/01/91<br>Active | 1.200<br>08/01/94<br>Active | 1.160<br>10/01/95 | 1.130<br>01/24/07 | 0.699 | 1.33 | 2.65 | 2.65 | 162.69 | 08/24/2169 |
| T12-U | UT | Active | 8.000 | ELL | 01/23/17 | 1.020<br>08/01/84 | 1.010<br>10/01/88<br>Active | 1.010<br>10/18/91<br>Active | 1.010<br>08/01/94<br>Active | 0.980<br>10/02/95 | 0.980<br>01/24/07 | 0.699 | 1.78 | 0.00 | 1.78 | 158.06 | 01/07/2165 |
| T12-W | UT | Active | 8.000 | PIPE | 01/23/17 | 1.160<br>08/01/84 | 1.190<br>10/01/88<br>Active | 1.170<br>10/01/91<br>Active | 1.190<br>08/01/94<br>Active | 1.150<br>10/01/95 | 1.130<br>01/24/07 | 0.699 | 1.33 | 1.77 | 1.77 | 244.08 | 12/26/2250 |
| T13-E | UT | Active | 8.000 | PIPE | 01/23/17 | 1.140<br>08/01/84 | 1.150<br>10/01/88<br>Active | 1.140<br>10/01/91<br>Active | 1.140<br>08/01/94<br>Active | 1.140<br>10/01/95 | 1.110<br>01/24/07 | 0.699 | 1.33 | 2.65 | 2.65 | 155.14 | 02/06/2162 |
| T13-M | UT | Active | 8.000 | PIPE | 01/23/17 | 1.140<br>08/01/84 | 1.150<br>10/01/88<br>Active | 1.140<br>10/01/91<br>Active | 1.150<br>08/01/94<br>Active | 1.130<br>10/01/95 | 1.110<br>01/24/07 | 0.699 | 1.33 | 1.77 | 1.77 | 232.76 | 09/01/2239 |
| T13-U | UT | Active | 8.000 | ELL | 01/23/17 | 1.020<br>08/01/84 | 1.010<br>10/01/88<br>Active | 1.010<br>10/18/91<br>Active | 1.030<br>08/01/94<br>Active | 1.000<br>10/02/95 | 1.000<br>01/24/07 | 0.699 | 0.89 | 0.00 | 0.89 | 338.43 | 04/10/2345 |
| T13-W | UT | Active | 8.000 | PIPE | 01/23/17 | 1.140<br>08/01/84 | 1.150<br>10/01/88<br>Active | 1.140<br>10/01/91<br>Active | 1.150<br>08/01/94<br>Active | 1.120<br>10/01/95 | 1.100<br>01/24/07 | 0.699 | 1.78 | 1.77 | 1.78 | 225.56 | 06/23/2232 |

| Datapoint ID | Meas Method | Datapoint Status | Datapoint Size | Datapoint Type | Next Inspection Date | Base Value & Date | Meas 5 Value Date & Status | Meas 4 Value Date & Status | Meas 3 Value Date & Status | Near Value & Date | Last Value & Date | Minimum Value | L.T.C.R. | S.T.C.R. | Current Corrosion Rate | Rem Life (Years) | Retire Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T14-E | UT | Active | 8.000 | PIPE | 01/23/17 | 1.130<br>08/01/84 | 1.150<br>10/01/88<br>Active | 1.130<br>10/01/91<br>Active | 1.150<br>08/01/94<br>Active | 1.150<br>10/01/95 | 1.140<br>01/24/07 | 0.699 | 0.00 | 0.88 | 0.88 | 499.21 | 12/10/2505 |
| T14-M | UT | Active | 8.000 | PIPE | 01/23/17 | 1.130<br>08/01/84 | 1.150<br>10/01/88<br>Active | 1.130<br>10/01/91<br>Active | 1.200<br>08/01/94<br>Active | 1.160<br>10/01/95 | 1.160<br>01/24/07 | 0.699 | 0.00 | 0.00 | 0.00 | | |
| T14-U | UT | Active | 8.000 | ELL | 01/23/17 | 1.000<br>08/01/84 | 1.010<br>10/01/88<br>Active | 1.000<br>10/18/91<br>Active | 0.970<br>08/01/94<br>Active | 0.960<br>10/02/95 | 0.960<br>01/24/07 | 0.699 | 1.78 | 0.00 | 1.78 | 146.81 | 10/11/2153 |
| T14-W | UT | Active | 8.000 | PIPE | 01/23/17 | 1.130<br>08/01/84 | 1.150<br>10/01/88<br>Active | 1.130<br>10/01/91<br>Active | 1.190<br>08/01/94<br>Active | 1.150<br>10/01/95 | 1.120<br>01/24/07 | 0.699 | 0.44 | 2.65 | 2.65 | 158.92 | 11/15/2165 |
| T15-E | UT | Active | 8.000 | ELL | 01/23/17 | 1.160<br>08/01/84 | 1.130<br>10/01/88<br>Active | 1.150<br>10/01/91<br>Active | 1.160<br>08/01/94<br>Active | 1.110<br>10/01/95 | 1.120<br>01/24/07 | 0.699 | 1.78 | 0.00 | 1.78 | 236.81 | 09/20/2243 |
| T15-M | UT | Active | 8.000 | ELL | 01/23/17 | 1.160<br>08/01/84 | 1.130<br>10/01/88<br>Active | 1.150<br>10/01/91<br>Active | 1.200<br>08/01/94<br>Active | 1.170<br>10/01/95 | 1.170<br>01/24/07 | 0.699 | 0.00 | 0.00 | 0.00 | | |
| T15-U | UT | Active | 8.000 | ELL | 01/23/17 | 1.040<br>08/01/84 | 1.010<br>10/01/88<br>Active | 1.030<br>10/18/91<br>Active | 1.030<br>08/01/94<br>Active | 1.020<br>10/02/95 | 1.010<br>01/24/07 | 0.699 | 1.33 | 0.88 | 1.33 | 233.29 | 03/14/2240 |
| T15-W | UT | Active | 8.000 | ELL | 01/23/17 | 1.160<br>08/01/84 | 1.130<br>10/01/88<br>Active | 1.150<br>10/01/91<br>Active | 1.210<br>08/01/94<br>Active | 1.170<br>10/01/95 | 1.150<br>01/24/07 | 0.699 | 0.44 | 1.77 | 1.77 | 255.41 | 04/21/2262 |
| T16-E | UT | Active | 8.000 | ELL | 01/23/17 | 1.080<br>08/01/84 | 1.080<br>10/01/88<br>Active | 1.100<br>10/01/91<br>Active | 1.140<br>08/01/94<br>Active | 1.110<br>10/01/95 | 1.100<br>01/24/07 | 0.699 | 0.00 | 0.88 | 0.88 | 453.93 | 09/09/2460 |
| T16-M | UT | Active | 8.000 | ELL | 01/23/17 | 1.080<br>08/01/84 | 1.080<br>10/01/88<br>Active | 1.100<br>10/01/91<br>Active | 1.100<br>08/01/94<br>Active | 1.090<br>10/01/95 | 1.110<br>01/24/07 | 0.699 | 0.00 | 0.00 | 0.00 | | |
| T16-W | UT | Active | 8.000 | ELL | 01/23/17 | 1.080<br>08/01/84 | 1.080<br>10/01/88<br>Active | 1.100<br>10/01/91<br>Active | 1.100<br>08/01/94<br>Active | 1.090<br>10/01/95 | 1.100<br>01/24/07 | 0.699 | 0.00 | 0.00 | 0.00 | | |