



## Catalyst Charge Sheet

| <u>Old Module</u>                              |     |     |      |     |                 |                      |     |      |     |
|------------------------------------------------|-----|-----|------|-----|-----------------|----------------------|-----|------|-----|
| Day Shift Operator: <u>C. Polk</u>             |     |     |      |     |                 | Date: <u>3-17-02</u> |     |      |     |
| Night shift Operator: <u>Michael S. Hughes</u> |     |     |      |     |                 |                      |     |      |     |
| <u>Catalyst Type:</u>                          |     |     |      |     | <u>Changes:</u> |                      |     |      |     |
|                                                | 610 | 288 | L-10 | 554 |                 | 610                  | 288 | L-10 | 554 |
| Reactors:                                      |     |     |      |     |                 |                      |     |      |     |
| Rx-300                                         |     | 3   | 3    |     |                 |                      |     |      |     |
| Rx-400                                         |     | 3   | 3    |     |                 |                      |     |      |     |
| Rx-500                                         |     | 3   | 3    |     |                 |                      |     |      |     |
| Rx-600                                         |     | 3   | 3    |     |                 |                      |     |      |     |
| Rx-700                                         |     | 6   | 5    |     |                 |                      |     |      |     |
| <u>New Module</u>                              |     |     |      |     |                 |                      |     |      |     |
| Day Shift Operator: <u>P. Williams</u>         |     |     |      |     |                 |                      |     |      |     |
| Night shift Operator: <u>Bry Parker</u>        |     |     |      |     |                 |                      |     |      |     |
| <u>Catalyst Type:</u>                          |     |     |      |     | <u>Changes:</u> |                      |     |      |     |
|                                                | 610 | 288 | L-10 | 554 |                 | 610                  | 288 | L-10 | 554 |
| Reactors:                                      |     |     |      |     |                 |                      |     |      |     |
| Rx-741                                         |     | 3   | 3    |     |                 |                      |     |      |     |
| Rx-742                                         |     | 4   | 3    |     |                 |                      |     |      |     |
| Rx-743                                         |     | 4   | 3    |     | _____           |                      |     |      |     |
| Rx-744                                         |     | 4   | 3    |     |                 |                      |     |      |     |
| Rx-745                                         |     | 9   | 4    |     |                 |                      |     |      |     |
| Rx-746                                         |     |     | 2    | 6   |                 |                      |     |      |     |
| Rx-747                                         |     |     | 2    | 6   |                 |                      |     |      |     |
| Comments: <u>Rx743 Fluid coupling gone.</u>    |     |     |      |     |                 |                      |     |      |     |

# Leak Detection and Elimination Sheet

| Date/<br>Time   | Leak No./<br>Written up<br>By: | GC<br>Steam<br>Number(s) | GC<br>Readings     | Leak<br>Location                   | HNU<br>Readings | Notification<br>Written?/<br>Not. No. | What Repairs<br>Were Made?                | Date<br>Repaired | Repaired<br>By: | Repair<br>Verified<br>By: |
|-----------------|--------------------------------|--------------------------|--------------------|------------------------------------|-----------------|---------------------------------------|-------------------------------------------|------------------|-----------------|---------------------------|
| 3-15-02<br>1850 | 6018<br>BN                     | SC#5<br>6                | 10.0               | Nothing Found                      | 0               | 0                                     | No leak found<br>Greg Penketh             |                  |                 |                           |
| 3-16-02<br>2213 | 6019<br>BN                     | SC#1<br>5                | 6.7                | nothing found<br>T.C.              | 0               | 0                                     | nothing found<br>T Corbell                |                  |                 |                           |
| 3-16-02<br>0058 | 6020<br>GS                     | GC#3<br>4                | 5.5                | Nothing Found                      | 0               | 0                                     | No leak Found<br>Greg Penketh             |                  |                 |                           |
| 3-17-02<br>0615 | 6021<br>Ch                     | #1/35<br>#3<br>2,4,5,5   | 5.6/6.5<br>8.2/5.9 | #3 spot Liquid                     | 10              | NO                                    | pulled Lines +<br>comp. sked down         | 3/17             |                 |                           |
| 3-17-02<br>1530 | 6022<br>Ch                     | #1<br>#4                 | 9.2/5.3<br>6.9/5.1 | #3 and #9 Hatz<br>valve fine<br>CN | 5.0             | NO                                    | Charge 0 some<br>on both <del>lines</del> | 3/17             | CP              |                           |
| 3-17-02<br>1931 | 6023<br>BN                     | SC#1<br>1                | 9.8                |                                    |                 |                                       |                                           |                  |                 |                           |

This sheet is to be filled out in the event of one(1) reading of five (5) Parts Per Million or more on the any station of any Chronograph.  
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# Leak Detection and Elimination Sheet

| Date/<br>Time | Leak No./<br>Written up<br>By: | GC<br>Steam<br>Number(s) | GC<br>Readings | Leak<br>Location                               | HNU<br>Readings | Notification<br>Written?/<br>Not. No. | What Repairs<br>Were Made?                                                            | Date<br>Repaired | Repaired<br>By: | Repair<br>Verified<br>By: |
|---------------|--------------------------------|--------------------------|----------------|------------------------------------------------|-----------------|---------------------------------------|---------------------------------------------------------------------------------------|------------------|-----------------|---------------------------|
| 3-13-02       | 6012                           | GC-1                     |                | West side Ring Seal<br>H2O pack                | yes             | no                                    | Tightened plug<br>+ lid on pack                                                       | 3-13-02          | PW              | PW                        |
| 19100         | B                              | #8                       | 9.4            | P. W. L. T. S.                                 |                 |                                       |                                                                                       |                  |                 |                           |
| 3-14-02       | 6013                           | GC-5                     |                |                                                |                 |                                       |                                                                                       |                  |                 |                           |
| 1500          | KC                             | 101010                   | 19.10/10       | D.B.                                           |                 |                                       |                                                                                       |                  |                 |                           |
| 3-14-02       | 6014                           | GC-5                     |                |                                                | yes             | no                                    | D. A. P. H. M. in SWAMP<br>JOC Busted. Isolated.<br>Chm. Test.                        |                  |                 |                           |
| 1506          | KC                             | 1                        | 6              | H.L.                                           |                 |                                       |                                                                                       |                  |                 |                           |
| 3-14-02       | 6015                           | GC NO. 5                 |                | SOUTH STATION<br>NEW EAST UNLON.<br>INGR. H.L. | yes             | no                                    | 'Hold' in SWAMP<br>JOC - isolated pulling<br>line down - leak went<br>away chm. Test. |                  |                 |                           |
| 1630          | AS                             | 1 E 2                    | 10.0<br>6.0    | MIDDLE STATION<br>NEW EAST UNLON.<br>INGR.     |                 |                                       |                                                                                       |                  |                 |                           |
| 3-14-02       | 6016                           | #2                       | 5.4            | Not found                                      | N/A             | N/A                                   | N/A                                                                                   | N/A              | N/A             | N/A                       |
| 1730          | Ch                             | #9                       |                | Cleared next check                             |                 |                                       |                                                                                       |                  |                 |                           |
| 3-15-02       | 6017                           | 3                        | 5.3<br>7.6     | Top 74C                                        |                 |                                       |                                                                                       |                  |                 |                           |
| 1320          | Bm                             | 2                        |                |                                                |                 |                                       |                                                                                       |                  |                 |                           |

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# Leak Detection and Elimination Sheet

| Date/<br>Time | Leak No./<br>Written up<br>By: | GC<br>Steam<br>Number(s) | GC<br>Readings | Leak<br>Location   | HNU<br>Readings | Notification<br>Written?/<br>Not. No. | What Repairs<br>Were Made? | Date<br>Repaired | Repaired<br>By: | Repair<br>Verified<br>By: |
|---------------|--------------------------------|--------------------------|----------------|--------------------|-----------------|---------------------------------------|----------------------------|------------------|-----------------|---------------------------|
| 3/12-02       | 6006                           | GC#1                     | 7.7            |                    |                 |                                       |                            |                  |                 |                           |
| 1128          | BA                             | 3                        |                | DH                 |                 |                                       |                            |                  |                 |                           |
| 3/12/02       | 6007                           | GC#5                     | 6.3            |                    |                 |                                       |                            |                  |                 |                           |
| 1134          | GS                             |                          |                | Dental Hvac unit   |                 |                                       |                            |                  |                 |                           |
| 3-12-02       | 6008                           | GC#1                     | 7.5            | Nothing found      |                 | NO                                    |                            |                  |                 |                           |
| 1753          | BA                             | 5                        |                | TC Carbonyl        |                 |                                       |                            |                  |                 |                           |
| 3-12-02       | 6009                           | 5                        |                | Found nothing      |                 | NO                                    | Will be replaced           |                  |                 |                           |
| 18:24         | JS                             | 7/2                      | 10.0<br>5.0    | W.R.               |                 |                                       |                            |                  |                 |                           |
| 3-12-02       | 6010                           | 5                        |                | 13 Spot            |                 |                                       | Isolate 13 Spot            |                  |                 |                           |
| 19:20         | JS                             | 7/2                      | 10.9<br>7.1    | R.G.               |                 | 9/25                                  | 2100 R.R. by               |                  |                 |                           |
| 3-12-02       | 6011                           | GC#5                     | 8.6            | checked in station |                 |                                       | check out                  |                  |                 |                           |
| 04:21         | GS                             | 2                        |                | 14 0               |                 | XPS                                   | clean next round           |                  |                 |                           |

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DATE 3-17-02

100

## Vinyl Resin Flow Sheet

Shift BTime 0700Date 3-18-02

|        |           |                 |           |        |
|--------|-----------|-----------------|-----------|--------|
| 646    | Product:  |                 | Product:  | 647    |
| Level: | Blend No. | <u>Stripper</u> | Blend No. | Level: |
| %      |           | <u>Start Up</u> |           | %      |

|                        |            |
|------------------------|------------|
| Dryer # 4              | Silo:      |
| Product: <u>5305</u>   | <u>691</u> |
| Blend Tank: <u>644</u> |            |

|        |                          |                |        |
|--------|--------------------------|----------------|--------|
| 648    | Product: <u>5385M</u>    | Product:       | 649    |
| Level: | Blend No. <u>8323942</u> | Blend No.      | Level: |
| %      | <u>(0630) REG</u>        | <u>Air Off</u> | %      |
|        | <u>Washed Out</u>        |                |        |

|                        |            |
|------------------------|------------|
| Dryer # 5              | Silo:      |
| Product: <u>5305</u>   | <u>690</u> |
| Blend Tank: <u>407</u> |            |

|        |                   |           |        |
|--------|-------------------|-----------|--------|
| 650    | Product:          | Product:  | 651    |
| Level: | Blend No.         | Blend No. | Level: |
| %      | <u>Air Off</u>    |           | %      |
|        | <u>Washed Out</u> |           |        |

|                        |            |
|------------------------|------------|
| Dryer # 6              | Silo:      |
| Product: <u>5305</u>   | <u>689</u> |
| Blend Tank: <u>407</u> |            |

|        |                          |            |        |
|--------|--------------------------|------------|--------|
| 652    | Product: <u>5385M</u>    | Product:   | 653    |
| Level: | Blend No. <u>8323443</u> | Blend No.  | Level: |
| %      | <u>Early Kill</u>        | <u>REG</u> | %      |

|                        |            |
|------------------------|------------|
| Dryer # 7              | Silo:      |
| Product: <u>5305</u>   | <u>690</u> |
| Blend Tank: <u>407</u> |            |

|        |           |           |        |
|--------|-----------|-----------|--------|
| 654    | Product:  | Product:  | 655    |
| Level: | Blend No. | Blend No. | Level: |
| %      |           |           | %      |

|                        |            |
|------------------------|------------|
| Dryer # 8              | Silo:      |
| Product: <u>5305</u>   | <u>689</u> |
| Blend Tank: <u>407</u> |            |

|        |                            |
|--------|----------------------------|
| 644    | Product: <u>5305</u>       |
| Level: | Blend No. <u>Lo Moist.</u> |
| %      | <u>Start Up</u>            |

|                |                      |
|----------------|----------------------|
| 502            | Product: <u>5385</u> |
| <u>8324245</u> | <u>REG</u>           |
| <u>1209130</u> |                      |
| <u>1209250</u> |                      |
| <u>1209370</u> |                      |
| <u>1209440</u> |                      |

|                 |              |
|-----------------|--------------|
| Fluid Bed Dryer |              |
| Product:        | <u>5385M</u> |
| Blend Tank:     | <u>747</u>   |
| North:          | <u>687</u>   |
| South:          | <u>686</u>   |

|                |                      |
|----------------|----------------------|
| 407            | Product: <u>5305</u> |
| <u>8324647</u> | <u>REG</u>           |
| <u>8324846</u> |                      |
|                |                      |
|                |                      |
|                |                      |
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|                |                      |
|                |                      |

|                        |            |
|------------------------|------------|
| Dryer # 10             | Silo:      |
| Product: <u>5385</u>   | <u>680</u> |
| Blend Tank: <u>502</u> |            |

|                        |            |
|------------------------|------------|
| Dryer # 11             | Silo:      |
| Product: <u>5385</u>   | <u>675</u> |
| Blend Tank: <u>502</u> |            |

|                |                      |
|----------------|----------------------|
| 501            | Product: <u>5415</u> |
| <u>1207060</u> | <u>1/1</u>           |
|                |                      |
|                |                      |
|                |                      |
|                |                      |
|                |                      |
|                |                      |
|                |                      |

|                |                       |
|----------------|-----------------------|
| 747            | Product: <u>5385M</u> |
| <u>8324741</u> | <u>REG</u>            |
| <u>8324942</u> |                       |
| <u>8325043</u> |                       |
| <u>8325144</u> |                       |
|                |                       |
|                |                       |
|                |                       |
|                |                       |

|                       |            |             |
|-----------------------|------------|-------------|
| Product Transferring: |            |             |
| From:                 | To:        |             |
| <u>281</u>            | <u>492</u> | <u>5415</u> |
| <u>282</u>            | <u>491</u> | <u>5395</u> |
|                       |            |             |
|                       |            |             |
|                       |            |             |
|                       |            |             |
|                       |            |             |

Date: 3-17-02

Vinyl Sample Results

| Product | Blend # | PARTICLE SIZE |    |      |      |      |      |      |      |     |      | Past 140 | HP | Bulk Density | Fluff | Flow | "L" Color | "A" Color | "B" Color | FTIR | PVA    | RVCM | Run Time |
|---------|---------|---------------|----|------|------|------|------|------|------|-----|------|----------|----|--------------|-------|------|-----------|-----------|-----------|------|--------|------|----------|
|         |         | Micron        | 40 | 60   | 80   | 100  | 120  | 140  | 200  | 300 | 400  |          |    |              |       |      |           |           |           |      |        |      |          |
| 5385    | 8321141 | → 196         | 0  | 16.7 | 43.3 | 18.4 | 11.4 | 5.2  | 3.7  | 0.9 | 4.5  |          |    | .580         | .608  | 10.4 | 98.37     | -1.3      | 2.02      | 524  | 137    | 1850 | 417      |
| 5385    | 8321243 |               |    |      |      |      |      |      |      |     |      |          |    |              |       |      |           |           |           |      | 141    | 2498 | 359      |
| 5305    | 8321347 | → 161         | 0  | 5.2  | 21.2 | 26.3 | 26.5 | 13.3 | 6.8  | 0.7 | 7.5  |          |    | .560         |       | 6.5  | 97.46     | .43       | 2.66      |      | 101/54 | 0    | 313      |
| 5305    | 8321446 |               |    |      |      |      |      |      |      |     |      |          |    |              |       |      |           |           |           |      | 101/   | 0    | 254      |
| 5385    | 8321545 |               |    |      |      |      |      |      |      |     |      |          |    |              |       |      |           |           |           |      | 217    | 3503 | 333      |
| 5385    | 8321644 |               |    |      |      |      |      |      |      |     |      |          |    |              |       |      |           |           |           |      | 136    | 1562 | 354      |
| 5385    | 8321742 |               |    |      |      |      |      |      |      |     |      |          |    |              |       |      |           |           |           |      | 137    | 1439 | 409      |
| 5305    | 8321847 |               |    |      |      |      |      |      |      |     |      |          |    |              |       |      |           |           |           |      | 102/50 | 0    | 313      |
| 5385M   | 8321941 | → 185         | 0  | 11.4 | 37.9 | 23.5 | 15.3 | 6.7  | 4.3  | 0.8 | 5.1  |          |    | .630         | .631  | 8.8  | 97.85     | -1.8      | 1.69      | 418  | 91/84  | 1805 | 413      |
| 5385M   | 8322043 |               |    |      |      |      |      |      |      |     |      |          |    |              |       |      |           |           |           |      | 93/82  | 2198 | 402      |
| 5305    | 8322146 | → 194         | 0  | 13.9 | 45.6 | 20.5 | 11.4 | 4.7  | 3.1  | 0.8 | 3.9  |          |    | .573         | .586  | 8.1  | 98.41     | -0.5      | 2.05      | 719  | 100/50 | 0    | 259      |
| 5385    | 8322245 |               |    |      |      |      |      |      |      |     |      |          |    |              |       |      |           |           |           |      | 219    | 3141 | 335      |
| 5385M   | 8322344 |               |    |      |      |      |      |      |      |     |      |          |    |              |       |      |           |           |           |      | 92/82  | 1421 | 408      |
| 5385M   | 8322442 |               |    |      |      |      |      |      |      |     |      |          |    |              |       |      |           |           |           |      | 91/81  | 2405 | 439      |
| 5305    | 8322547 |               |    |      |      |      |      |      |      |     |      |          |    |              |       |      |           |           |           |      | 102/51 | 0    | 257      |
| 5305    | 8322646 | → 171         | 0  | 5.1  | 32.3 | 28.6 | 20.4 | 8.4  | 4.3  | 1   | 5.3  |          |    | .562         |       | 16.6 | 97.5      | .04       | 2.68      |      | 105/20 | 0    | 257      |
| 5385M   | 8322741 |               |    |      |      |      |      |      |      |     |      |          |    |              |       |      |           |           |           |      | 1      | -    | 456      |
| 5385M   | 8322843 |               |    |      |      |      |      |      |      |     |      |          |    |              |       |      |           |           |           |      | 93/83  | 2394 | 416      |
| 5385M   | 8322944 | → 170         | 0  | 5.6  | 33   | 26.4 | 13.8 | 8.9  | 6    | 1.4 | 7.3  |          |    | .628         | .657  | 7    | 98.28     | 7.34      | 2.08      | 440  | -      | -    | 359      |
| 5305    | 8323047 |               |    |      |      |      |      |      |      |     |      |          |    |              |       |      |           |           |           |      | 101/51 | 0    | 304      |
| 5385    | 8323145 | → 193         | 0  | 12   | 48   | 21.3 | 11.1 | 4.2  | 2.7  | 0.8 | 3.4  |          |    | .565         | .583  | 7.4  | 98.14     | 7.03      | 2.00      | 237  | 217    | 3501 | 341      |
| 5305    | 8323246 | → 157         | 0  | 4.8  | 24.4 | 21.4 | 20.1 | 14   | 13.3 | 2.1 | 15.4 |          |    | .559         |       | 7.1  | 96.18     | 4.6       | 2.55      |      | 106/4  | 0    | 257      |
| 5385M   | 8323342 |               |    |      |      |      |      |      |      |     |      |          |    |              |       |      |           |           |           |      | 92/82  | 2406 | 432      |
| 5385M   | 8323443 |               |    |      |      |      |      |      |      |     |      |          |    |              |       |      |           |           |           |      | 92/83  | 2399 | -        |
| 5385M   | 8323541 |               |    |      |      |      |      |      |      |     |      |          |    |              |       |      |           |           |           |      | 93/82  | 2269 | 410      |
| 5305    | 8323647 |               |    |      |      |      |      |      |      |     |      |          |    |              |       |      |           |           |           |      | 101/55 | 0    | 300      |
| 5385M   | 8323744 |               |    |      |      |      |      |      |      |     |      |          |    |              |       |      |           |           |           |      | 92/83  | 2462 | 400      |
| 5305    | 8323846 |               |    |      |      |      |      |      |      |     |      |          |    |              |       |      |           |           |           |      | 104/52 | 0    | 258      |
| 5385M   | 8323942 |               |    |      |      |      |      |      |      |     |      |          |    |              |       |      |           |           |           |      | 94/83  | 2406 | 410      |
| 5305    | 8324047 | → 157         | 0  | 1.1  | 27.8 | 25.8 | 22.1 | 12.5 | 9.2  | 1.5 | 10.7 |          |    | .555         |       | 6.9  | 94.58     | 4.4       | 2.65      |      | 107/54 | 0    | 307      |
| 5385M   | 8324141 | → 170         | 0  | 5.7  | 33.4 | 25.8 | 18.4 | 9    | 6.3  | 1.4 | 7.7  |          |    | .639         | .645  | 9.9  | 98        | 7.27      | 2.16      | 240  | 95/84  | 2403 | 355      |
| 5385    | 8324245 |               |    |      |      |      |      |      |      |     |      |          |    |              |       |      |           |           |           |      | 218    | 3502 | 356      |
| 5385M   | 8324343 |               |    |      |      |      |      |      |      |     |      |          |    |              |       |      |           |           |           |      | 95/84  | 2405 | 355      |
| 5305    | 8324446 |               |    |      |      |      |      |      |      |     |      |          |    |              |       |      |           |           |           |      | 107    | 0    | 300      |
| 5385M   | 8324544 |               |    |      |      |      |      |      |      |     |      |          |    |              |       |      |           |           |           |      | 94/84  | 2322 | 401      |
| 5385M   | 8323942 | 190           | 0  | 9.8  | 46.5 | 25   | 12.7 | 4    | 1.8  | 0.3 | 2.1  |          |    |              |       |      |           |           |           |      |        |      |          |
|         |         |               |    |      |      |      |      |      |      |     |      |          |    |              |       |      |           |           |           |      |        |      |          |
|         |         |               |    |      |      |      |      |      |      |     |      |          |    |              |       |      |           |           |           |      |        |      |          |
|         |         |               |    |      |      |      |      |      |      |     |      |          |    |              |       |      |           |           |           |      |        |      |          |
|         |         |               |    |      |      |      |      |      |      |     |      |          |    |              |       |      |           |           |           |      |        |      |          |
|         |         |               |    |      |      |      |      |      |      |     |      |          |    |              |       |      |           |           |           |      |        |      |          |
|         |         |               |    |      |      |      |      |      |      |     |      |          |    |              |       |      |           |           |           |      |        |      |          |
|         |         |               |    |      |      |      |      |      |      |     |      |          |    |              |       |      |           |           |           |      |        |      |          |
|         |         |               |    |      |      |      |      |      |      |     |      |          |    |              |       |      |           |           |           |      |        |      |          |
|         |         |               |    |      |      |      |      |      |      |     |      |          |    |              |       |      |           |           |           |      |        |      |          |
|         |         |               |    |      |      |      |      |      |      |     |      |          |    |              |       |      |           |           |           |      |        |      |          |
|         |         |               |    |      |      |      |      |      |      |     |      |          |    |              |       |      |           |           |           |      |        |      |          |
|         |         |               |    |      |      |      |      |      |      |     |      |          |    |              |       |      |           |           |           |      |        |      |          |
|         |         |               |    |      |      |      |      |      |      |     |      |          |    |              |       |      |           |           |           |      |        |      |          |
|         |         |               |    |      |      |      |      |      |      |     |      |          |    |              |       |      |           |           |           |      |        |      |          |
|         |         |               |    |      |      |      |      |      |      |     |      |          |    |              |       |      |           |           |           |      |        |      |          |
|         |         |               |    |      |      |      |      |      |      |     |      |          |    |              |       |      |           |           |           |      |        |      |          |
|         |         |               |    |      |      |      |      |      |      |     |      |          |    |              |       |      |           |           |           |      |        |      |          |
|         |         |               |    |      |      |      |      |      |      |     |      |          |    |              |       |      |           |           |           |      |        |      |          |
|         |         |               |    |      |      |      |      |      |      |     |      |          |    |              |       |      |           |           |           |      |        |      |          |
|         |         |               |    |      |      |      |      |      |      |     |      |          |    |              |       |      |           |           |           |      |        |      |          |
|         |         |               |    |      |      |      |      |      |      |     |      |          |    |              |       |      |           |           |           |      |        |      |          |
|         |         |               |    |      |      |      |      |      |      |     |      |          |    |              |       |      |           |           |           |      |        |      |          |
|         |         |               |    |      |      |      |      |      |      |     |      |          |    |              |       |      |           |           |           |      |        |      |          |
|         |         |               |    |      |      |      |      |      |      |     |      |          |    |              |       |      |           |           |           |      |        |      |          |
|         |         |               |    |      |      |      |      |      |      |     |      |          |    |              |       |      |           |           |           |      |        |      |          |
|         |         |               |    |      |      |      |      |      |      |     |      |          |    |              |       |      |           |           |           |      |        |      |          |
|         |         |               |    |      |      |      |      |      |      |     |      |          |    |              |       |      |           |           |           |      |        |      |          |
|         |         |               |    |      |      |      |      |      |      |     |      |          |    |              |       |      |           |           |           |      |        |      |          |
|         |         |               |    |      |      |      |      |      |      |     |      |          |    |              |       |      |           |           |           |      |        |      |          |

Slurry

## Vinyl Sample Results

Date: 3-17-02

| Product | Blend # | PARTICLE SIZE |    |      |      |      |      |     |     |     |     | Past | HP  | Bulk Density | Fluff | Flow | "L" Color | "A" Color | "B" Color | FTIR | PVA  | RVClvl | Run Time |
|---------|---------|---------------|----|------|------|------|------|-----|-----|-----|-----|------|-----|--------------|-------|------|-----------|-----------|-----------|------|------|--------|----------|
|         |         | Micron        | 40 | 60   | 80   | 100  | 120  | 140 | 200 | 300 | 400 |      |     |              |       |      |           |           |           |      |      |        |          |
| 5415    | 1206660 | 173           | 0  | 4.6  | 36.9 | 28.1 | 17.8 | 7.3 | 4.3 | 1.2 | 5.4 | 7.4  | 7.4 | .482         |       | 6.9  | 98.23     | -1.2      | 208       | 354  | 8043 | 1390   | 422      |
| 5415    | 1206730 |               |    |      |      |      |      |     |     |     |     |      |     |              |       |      |           |           |           |      | 7942 | 1369   | 421      |
| 5415    | 1206840 |               |    |      |      |      |      |     |     |     |     |      |     |              |       |      |           |           |           |      | 8141 | 924    | 427      |
| 5415    | 1206950 |               |    |      |      |      |      |     |     |     |     |      |     |              |       |      |           |           |           |      | 7910 | 1129   | 418      |
| 5415    | 1207060 |               |    |      |      |      |      |     |     |     |     |      |     |              |       |      |           |           |           |      | 7912 | 1406   | 411      |
| 5385    | 1207170 | 194           | 0  | 13.9 | 45.6 | 20.5 | 11.4 | 4.7 | 3.1 | 0.8 | 3.9 |      |     | .573         | .586  | 8.1  | 98.41     | -1.05     | 205       | 749  | 231  | 1808   | 335      |
| 5385    | 1207230 |               |    |      |      |      |      |     |     |     |     |      |     |              |       |      |           |           |           |      | 126  | 1408   | 355      |
| 5385    | 1207340 |               |    |      |      |      |      |     |     |     |     |      |     |              |       |      |           |           |           |      | 126  | 1110   | 407      |
| 5385    | 1207450 |               |    |      |      |      |      |     |     |     |     |      |     |              |       |      |           |           |           |      | 127  | 1209   | 404      |
| 5385    | 1207560 |               |    |      |      |      |      |     |     |     |     |      |     |              |       |      |           |           |           |      | 126  | 1408   | 407      |
| 5385    | 1207630 |               |    |      |      |      |      |     |     |     |     |      |     |              |       |      |           |           |           |      | 129  | 1410   | 355      |
| 5385    | 1207740 |               |    |      |      |      |      |     |     |     |     |      |     |              |       |      |           |           |           |      | 125  | 1407   | 406      |
| 5385    | 1207850 |               |    |      |      |      |      |     |     |     |     |      |     |              |       |      |           |           |           |      | 125  | 1382   | 402      |
| 5385    | 1207970 |               |    |      |      |      |      |     |     |     |     |      |     |              |       |      |           |           |           |      | 236  | 1003   | 334      |
| 5385    | 1208060 | 193           | 0  | 12   | 48   | 21.3 | 11.1 | 4.2 | 2.7 | 0.8 | 3.4 |      |     | .565         | .583  | 7.4  | 98.14     | -1.03     | 200       | 237  | 157  | 900    | 401      |
| 5385    | 1208130 |               |    |      |      |      |      |     |     |     |     |      |     |              |       |      |           |           |           |      | 125  | 780    | 355      |
| 5385    | 1208250 |               |    |      |      |      |      |     |     |     |     |      |     |              |       |      |           |           |           |      | 129  | 1218   | 359      |
| 5385    | 1208370 |               |    |      |      |      |      |     |     |     |     |      |     |              |       |      |           |           |           |      | 228  | 1605   | 342      |
| 5385    | 1208440 |               |    |      |      |      |      |     |     |     |     |      |     |              |       |      |           |           |           |      | 127  | 253    | 355      |
| 5385    | 1208560 |               |    |      |      |      |      |     |     |     |     |      |     |              |       |      |           |           |           |      | 127  | 1207   | 359      |
| 5385    | 1208630 | 189           | 0  | 10.3 | 46.6 | 22   | 12.1 | 4.9 | 3.2 | 1   | 4.2 |      |     | .547         | .584  | 13.8 | 98.38     | -1.1      | 194       | 283  | 127  | 1152   | 402      |
| 5385    | 1208750 |               |    |      |      |      |      |     |     |     |     |      |     |              |       |      |           |           |           |      | 123  | 1143   | 405      |
| 5385    | 1208870 |               |    |      |      |      |      |     |     |     |     |      |     |              |       |      |           |           |           |      | 230  | 497    | 343      |
| 5385    | 1208940 |               |    |      |      |      |      |     |     |     |     |      |     |              |       |      |           |           |           |      | 125  | 592    | 357      |
| 5385    | 1209060 |               |    |      |      |      |      |     |     |     |     |      |     |              |       |      |           |           |           |      | 123  | 853    | 401      |

Date 3-17-02

# REACTOR DAILY PRODUCTION AND STATUS REPORT

| Equipment | 0500 | 0600 | 0700 | 0800 | 0900 | 1000 | 1100 | 1200 | 1300 | 1400 | 1500 | 1600 | 1700 | 1800 | 1900 | 2000 | 2100 | 2200 | 2300 | 2400 | 0100 | 0200 | 0300 | 0400 |
|-----------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 300       |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 400       |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 500       |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 600       |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 700       |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| stripper  | 240  | 140  | 360  | 502  | 280  | 200  |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| strainer  |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| cleaning  |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |

300 lost 30 min. product change  
700 lost 1:20 502 Full

lost 50 min. 300 charge, Bad weather  
lost 15 min. dump 700, dumping 500  
lost 35 min. dump 400, dumping 700 & H.D.T.L.  
lost 35 min. dump 700, dumping 500 & H.D.T.L.  
lost 50 min. dump 400, dumping 700 & H.D.T.L., 501 full  
lost 45 min. dump 600, dumping 400, H.D.T.L.

12

23

0

Lo-Mo Charges =

23

Li-Mo Charges =

Total Charges =

## REACTOR DAILY PRODUCTION AND STATUS REPORT

Date 3/17/02

| Equipment                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 0500 | 0600 | 0700 | 0800 | 0900 | 1000 | 1100 | 1200 | 1300 | 1400 | 1500                  | 1600 | 1700 | 1800 | 1900 | 2000 | 2100 | 2200 | 2300 | 2400 | 0100               | 0200 | 0300 | 0400 |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------|------|------|------|------|------|------|------|------|-----------------------|------|------|------|------|------|------|------|------|------|--------------------|------|------|------|
| 741                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |      |      |      |      |      |      |      |      |      |                       |      |      |      |      |      |      |      |      |      |                    |      |      |      |
| 742                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |      |      |      |      |      |      |      |      |      |                       |      |      |      |      |      |      |      |      |      |                    |      |      |      |
| 743                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |      |      |      |      |      |      |      |      |      |                       |      |      |      |      |      |      |      |      |      |                    |      |      |      |
| 744                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |      |      |      |      |      |      |      |      |      |                       |      |      |      |      |      |      |      |      |      |                    |      |      |      |
| 745                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |      |      |      |      |      |      |      |      |      |                       |      |      |      |      |      |      |      |      |      |                    |      |      |      |
| 746                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |      |      |      |      |      |      |      |      |      |                       |      |      |      |      |      |      |      |      |      |                    |      |      |      |
| 747                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |      |      |      |      |      |      |      |      |      |                       |      |      |      |      |      |      |      |      |      |                    |      |      |      |
| Hi-Mol                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |      |      |      |      |      |      |      |      |      |      |                       |      |      |      |      |      |      |      |      |      |                    |      |      |      |
| Stripper                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 400  | 420  | 420  | 420  | 300  | 200  | 240  | 240  | 240  | 220  | 220                   | 280  | 240  | 240  | 240  | 140  | 140  | 140  | 140  | 140  | 200                | 300  | 160  | 160  |
| Lo-Mol                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |      |      |      |      |      |      |      |      |      |      |                       |      |      |      |      |      |      |      |      |      |                    |      |      |      |
| Stripper                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 200  |      |      | 220  |      |      |      | 220  | 220  | 220  | 220                   | 220  | 220  | 220  | 220  | 220  | 200  | 200  | 200  | 200  | 200                | 190  | 190  | 190  |
| Strainer                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |      |      |      |      |      |      |      |      |      |                       |      |      |      |      |      |      |      |      |      |                    |      |      |      |
| Cleaning                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |      |      |      |      |      |      |      |      |      |                       |      |      |      |      |      |      |      |      |      |                    |      |      |      |
| <p> 743 lost 20 min 744 dumping 745<br/> 747 lost 10 min 747 dumping 741<br/> 747 lost 10 min 741 charging 746 </p>                                                                                                                                                                                                                                                                                                                                                              |      |      |      |      |      |      |      |      |      |      |                       |      |      |      |      |      |      |      |      |      |                    |      |      |      |
| <p> 743 lost 120 mins, recovering 745, receivers full.<br/> 747 lost 15 mins, post program.<br/> 745 lost 45 mins, dump line plugging, dumping 747.<br/> 745 lost 40 mins, charging 747 &amp; 741<br/> 741 lost 40 mins, post program charging 747<br/> 743 lost 15 mins, charging 745.<br/> 742 lost 50 mins, charging 741 &amp; 746, pasting 741.<br/> 745 lost 25 mins, receivers full.<br/> 745 lost 90 mins, blend tank level.<br/> 746 lost 15 mins, dump tank level. </p> |      |      |      |      |      |      |      |      |      |      |                       |      |      |      |      |      |      |      |      |      |                    |      |      |      |
| Hi-Mo Charges =                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | + 9  |      |      |      |      |      |      |      |      |      | Lo-Mo Charges = 6 + 6 |      |      |      |      |      |      |      |      |      | Total Charges = 32 |      |      |      |