

# EMPLOYEE EXPOSURE SUMMARY

FILLED IN BY W. Herrick

DR# 0002-5070

QUARTER 3rd YEAR 1982  
IHG 100 ppm

PLANT LHC III BLOCK 68 STRESS Toluene MINIMAL DETECTABLE LIMIT AND UNIT 0.1 ppm

|     |                      | PERSONNEL     |            |              |              |      |      |         | EXCURSION          |              |      |      |         | AREA               |              |      |      |   |
|-----|----------------------|---------------|------------|--------------|--------------|------|------|---------|--------------------|--------------|------|------|---------|--------------------|--------------|------|------|---|
| NO. | JOB CLASS            | AREA/<br>TASK | *PT<br>EQ. | TWA<br>BASIS | NO.<br>SAMP. | AVG. | HIGH | **<br>C | EXCUR.<br>DURATION | NO.<br>SAMP. | AVG. | HIGH | **<br>C | SAMPLE<br>DURATION | NO.<br>SAMP. | AVG. | HIGH | * |
| 01  | OTT                  |               |            |              |              |      |      |         |                    |              |      |      |         |                    |              |      |      |   |
| 02  | OT                   |               | 3          | 8 hr.        | 4            | 2.02 | 4.17 |         |                    |              |      |      |         |                    |              |      |      |   |
| 03  | SOT                  |               | 3          | 8 hr.        | 1            | 1.32 | 1.32 |         |                    |              |      |      |         |                    |              |      |      |   |
| 04  | OS                   |               |            |              |              |      |      |         |                    |              |      |      |         |                    |              |      |      |   |
| 05  | SS                   |               | 3          | 8 hr.        | 1            | 1.58 | 1.58 |         |                    |              |      |      |         |                    |              |      |      |   |
| 06  | EDO                  |               |            |              |              |      |      |         |                    |              |      |      |         |                    |              |      |      |   |
| 07  | LAB                  |               |            |              |              |      |      |         |                    |              |      |      |         |                    |              |      |      |   |
| 09  | CLER.                |               |            |              |              |      |      |         |                    |              |      |      |         |                    |              |      |      |   |
| 10  | INSTR                |               |            |              |              |      |      |         |                    |              |      |      |         |                    |              |      |      |   |
| 11  | LABORER              |               |            |              |              |      |      |         |                    |              |      |      |         |                    |              |      |      |   |
| 13  | CONT<br>MAINT        |               |            |              |              |      |      |         |                    |              |      |      |         |                    |              |      |      |   |
| 16  | MATL<br>CONT         |               |            |              |              |      |      |         |                    |              |      |      |         |                    |              |      |      |   |
| 19  | MGRS/NON-<br>OP      |               |            |              |              |      |      |         |                    |              |      |      |         |                    |              |      |      |   |
| 20  | AREA SAMP<br>(NO JC) |               |            |              |              |      |      |         |                    |              |      |      |         |                    |              |      |      |   |
| 24  | MFG.<br>MGR.         |               |            |              |              |      |      |         |                    |              |      |      |         |                    |              |      |      |   |
| 26  | MFG<br>TECH          |               |            |              |              |      |      |         |                    |              |      |      |         |                    |              |      |      |   |
| 28  | CHEMIST<br>SET       |               |            |              |              |      |      |         |                    |              |      |      |         |                    |              |      |      |   |
| 29  | SUPV.<br>SHIP        |               |            |              |              |      |      |         |                    |              |      |      |         |                    |              |      |      |   |
| 30  | COORD.               |               |            |              |              |      |      |         |                    |              |      |      |         |                    |              |      |      |   |

\*PROTECTIVE EQUIPMENT: (1) MOUTHBIT (2) FULL FACE (3) HALF FACE OR DUST (4) AIR SUPPLY (5) HEARING PROTECTION

\*\*COMMENTS (Use reverse side)

NO. 000000  
DATE 03-03-82

# EMPLOYEE EXPOSURE SUMMARY

FILLED IN BY W. Herrick

DR# 0002-5058

QUARTER 3rd YEAR 1982

IHG 10 ppm

MINIMAL DETECTABLE

PLANT LHC III BLOCK 68 STRESS Benzene LIMIT AND UNIT 0.1 ppm

| NO. | JOB CLASS            | AREA/<br>TASK | PERSONNEL  |              |              |      |      |         | EXCURSION          |              |      |      |         | AREA               |              |      |      |
|-----|----------------------|---------------|------------|--------------|--------------|------|------|---------|--------------------|--------------|------|------|---------|--------------------|--------------|------|------|
|     |                      |               | *PT<br>EQ. | TWA<br>BASIS | NO.<br>SAMP. | AVG. | HIGH | **<br>C | EXCUR.<br>DURATION | NO.<br>SAMP. | AVG. | HIGH | **<br>C | SAMPLE<br>DURATION | NO.<br>SAMP. | AVG. | HIGH |
| 01  | OTT                  |               |            |              |              |      |      |         |                    |              |      |      |         |                    |              |      |      |
| 02  | OT                   |               | 3          | 8 hr.        | 4            | 1.14 | 2.23 |         |                    |              |      |      |         |                    |              |      |      |
| 03  | SOT                  |               | 3          | 8 hr         | 1            | 0.74 | 0.74 |         |                    |              |      |      |         |                    |              |      |      |
| 04  | OS                   |               |            |              |              |      |      |         |                    |              |      |      |         |                    |              |      |      |
| 05  | SS                   |               | 3          | 8 hr.        | 1            | 0.92 | 0.92 |         |                    |              |      |      |         |                    |              |      |      |
| 06  | EDO                  |               |            |              |              |      |      |         |                    |              |      |      |         |                    |              |      |      |
| 07  | LAB                  |               |            |              |              |      |      |         |                    |              |      |      |         |                    |              |      |      |
| 09  | CLER.                |               |            |              |              |      |      |         |                    |              |      |      |         |                    |              |      |      |
| 10  | INSTR                |               |            |              |              |      |      |         |                    |              |      |      |         |                    |              |      |      |
| 11  | LABORER              |               |            |              |              |      |      |         |                    |              |      |      |         |                    |              |      |      |
| 13  | CONT<br>MAINT        |               |            |              |              |      |      |         |                    |              |      |      |         |                    |              |      |      |
| 16  | MATL<br>CONT         |               |            |              |              |      |      |         |                    |              |      |      |         |                    |              |      |      |
| 19  | MGRS/NON-<br>OP      |               |            |              |              |      |      |         |                    |              |      |      |         |                    |              |      |      |
| 20  | AREA SAMP<br>(NO JC) |               |            |              |              |      |      |         |                    |              |      |      |         |                    |              |      |      |
| 24  | MFG.<br>MGR.         |               |            |              |              |      |      |         |                    |              |      |      |         |                    |              |      |      |
| 26  | MFG<br>TECH          |               |            |              |              |      |      |         |                    |              |      |      |         |                    |              |      |      |
| 28  | CHEMIST<br>SET       |               |            |              |              |      |      |         |                    |              |      |      |         |                    |              |      |      |
| 29  | SUPV.<br>SHIP        |               |            |              |              |      |      |         |                    |              |      |      |         |                    |              |      |      |
| 30  | COORD.               |               |            |              |              |      |      |         |                    |              |      |      |         |                    |              |      |      |

\*PROTECTIVE EQUIPMENT: (1) MOUTHBIT (2) FULL FACE (3) HALF FACE OR DUST (4) AIR SUPPLY (5) HEARING PROTECTION

\*\*COMMENTS (Use reverse side)

DO NOT WRITE  
CONFIDENTIAL

✓

EMPLOYEE EXPOSURE SUMMARY 9999-0228 QUARTER 3rd YEAR 1982

FILLED IN BY W. Herrick DR# ~~9999-0228~~ IHG 100 ppm

PLANT LHC III BLOCK 68 STRESS Ethyl Benzene MINIMAL DETECTABLE LIMIT AND UNIT 0.1 ppm

|     |                   | PERSONNEL |         |           |           |      |      |      | EXCURSION       |           |      |      |      | AREA            |           |      |      |
|-----|-------------------|-----------|---------|-----------|-----------|------|------|------|-----------------|-----------|------|------|------|-----------------|-----------|------|------|
| NO. | JOB CLASS         | AREA/TASK | *PT EQ. | TWA BASIS | NO. SAMP. | AVG. | HIGH | ** C | EXCUR. DURATION | NO. SAMP. | AVG. | HIGH | ** C | SAMPLE DURATION | NO. SAMP. | AVG. | HIGH |
| 01  | OTT               |           |         |           |           |      |      |      |                 |           |      |      |      |                 |           |      |      |
| 02  | OT                |           | 3       | 8 hr.     | 4         | 0.13 | 0.24 |      |                 |           |      |      |      |                 |           |      |      |
| 03  | SOT               |           | 3       | 8 hr.     | 1         | 0.11 | 0.11 |      |                 |           |      |      |      |                 |           |      |      |
| 04  | OS                |           |         |           |           |      |      |      |                 |           |      |      |      |                 |           |      |      |
| 05  | SS                |           | 3       | 8 h4.     | 1         | 0.08 | 0.08 |      |                 |           |      |      |      |                 |           |      |      |
| 06  | EDO               |           |         |           |           |      |      |      |                 |           |      |      |      |                 |           |      |      |
| 07  | LAB               |           |         |           |           |      |      |      |                 |           |      |      |      |                 |           |      |      |
| 09  | CLER.             |           |         |           |           |      |      |      |                 |           |      |      |      |                 |           |      |      |
| 10  | INSTR             |           |         |           |           |      |      |      |                 |           |      |      |      |                 |           |      |      |
| 11  | LABORER           |           |         |           |           |      |      |      |                 |           |      |      |      |                 |           |      |      |
| 13  | CONT MAINT        |           |         |           |           |      |      |      |                 |           |      |      |      |                 |           |      |      |
| 16  | MATL CONT         |           |         |           |           |      |      |      |                 |           |      |      |      |                 |           |      |      |
| 19  | MGRS/NON-OP       |           |         |           |           |      |      |      |                 |           |      |      |      |                 |           |      |      |
| 20  | AREA SAMP (NO JC) |           |         |           |           |      |      |      |                 |           |      |      |      |                 |           |      |      |
| 24  | MFG. MGR.         |           |         |           |           |      |      |      |                 |           |      |      |      |                 |           |      |      |
| 26  | MFG TECH          |           |         |           |           |      |      |      |                 |           |      |      |      |                 |           |      |      |
| 28  | CHEMIST SET       |           |         |           |           |      |      |      |                 |           |      |      |      |                 |           |      |      |
| 29  | SUPV. SHIP        |           |         |           |           |      |      |      |                 |           |      |      |      |                 |           |      |      |
| 30  | COORD.            |           |         |           |           |      |      |      |                 |           |      |      |      |                 |           |      |      |

PROTECTIVE EQUIPMENT: (1) MOUTHBIT (2) FULL FACE (3) HALF FACE OR DUST (4) AIR SUPPLY (5) HEARING PROTECTION

\*\*COMMENTS (Use reverse side)

DO NOT WRITE IN THESE SPACES

## EMPLOYEE EXPOSURE SUMMARY

FILLED IN BY W. Herrick

DR# 0002-5058

QUARTER 3rd YEAR 1982  
IHG 10 ppm

MINIMAL DETECTABLE

|       |         |          |                |                |         |
|-------|---------|----------|----------------|----------------|---------|
| PLANT | LHC III | BLOCK 68 | STRESS Benzene | LIMIT AND UNIT | 0.1 ppm |
|-------|---------|----------|----------------|----------------|---------|

PERSONNEL

## EXCURSION

AREA

[illegible]

PROTECTIVE EQUIPMENT: (1) MOUTHBIT (2) FULL FACE (3) HALF FACE OR DUST (4) AIR SUPPLY (5) HEARING PROTECTION

## COMMENTS (Use reverse side)

COPIES OF THE REPORT

## EMPLOYEE EXPOSURE SUMMARY

FILLED IN BY W. HerrickDR# 0002-5070QUARTER 3rd YEAR 1982IHG 100 ppmPLANT LHC III BLOCK 68STRESS Toluene

MINIMAL DETECTABLE

LIMIT AND UNIT 0.1 ppm

| PERSONNEL |                   |           |         |           |           |      |      |      | EXCURSION       |           |      |      |      | AREA            |           |      |      |
|-----------|-------------------|-----------|---------|-----------|-----------|------|------|------|-----------------|-----------|------|------|------|-----------------|-----------|------|------|
| NO.       | JOB CLASS         | AREA/TASK | *PT EQ. | TWA BASIS | NO. SAMP. | AVG. | HIGH | ** C | EXCUR. DURATION | NO. SAMP. | AVG. | HIGH | ** C | SAMPLE DURATION | NO. SAMP. | AVG. | HIGH |
| 01        | OTT               |           |         |           |           |      |      |      |                 |           |      |      |      |                 |           |      |      |
| 02        | OT                |           |         |           |           |      |      |      |                 |           |      |      |      |                 |           |      |      |
| 03        | SOT               |           | 3       | 8 hr.     | 1         | 9.8  | 9.8  |      |                 |           |      |      |      |                 |           |      |      |
| 04        | OS                |           |         |           |           |      |      |      |                 |           |      |      |      |                 |           |      |      |
| 05        | SS                |           |         |           |           |      |      |      |                 |           |      |      |      |                 |           |      |      |
| 06        | EDO               |           |         |           |           |      |      |      |                 |           |      |      |      |                 |           |      |      |
| 07        | LAB               |           |         |           |           |      |      |      |                 |           |      |      |      |                 |           |      |      |
| 09        | CLER.             |           |         |           |           |      |      |      |                 |           |      |      |      |                 |           |      |      |
| 10        | INSTR             |           |         |           |           |      |      |      |                 |           |      |      |      |                 |           |      |      |
| 11        | LABORER           |           |         |           |           |      |      |      |                 |           |      |      |      |                 |           |      |      |
| 13        | CONT MAINT        |           |         |           |           |      |      |      |                 |           |      |      |      |                 |           |      |      |
| 16        | MATL CONT         |           |         |           |           |      |      |      |                 |           |      |      |      |                 |           |      |      |
| 19        | MGRS/NON-OP       |           |         |           |           |      |      |      |                 |           |      |      |      |                 |           |      |      |
| 20        | AREA SAMP (NO JC) |           |         |           |           |      |      |      |                 |           |      |      |      |                 |           |      |      |
| 24        | MFG.              |           |         |           |           |      |      |      |                 |           |      |      |      |                 |           |      |      |
| 26        | MFG TECH          |           |         |           |           |      |      |      |                 |           |      |      |      |                 |           |      |      |
| 28        | CHEMIST           |           |         |           |           |      |      |      |                 |           |      |      |      |                 |           |      |      |
| 29        | SUPV.             |           |         |           |           |      |      |      |                 |           |      |      |      |                 |           |      |      |
| 30        | COORD.            |           |         |           |           |      |      |      |                 |           |      |      |      |                 |           |      |      |

\*PROTECTIVE EQUIPMENT: (1) MOUTHBIT (2) FULL FACE (3) HALF FACE OR DUST (4) AIR SUPPLY (5) HEARING PROTECTION

\*\*COMMENTS (Use reverse side)

DO NOT WRITE IN THESE SPACES

## EMPLOYEE EXPOSURE SUMMARY

FILLED IN BY W. Herrick

DR# 0002-5070

QUARTER 1st YEAR 1982  
IHG 100 ppm

| PLANT | LHC III |
|-------|---------|
| 1     | 1       |
| 2     | 2       |
| 3     | 3       |
| 4     | 4       |
| 5     | 5       |
| 6     | 6       |
| 7     | 7       |
| 8     | 8       |
| 9     | 9       |
| 10    | 10      |
| 11    | 11      |
| 12    | 12      |
| 13    | 13      |
| 14    | 14      |
| 15    | 15      |
| 16    | 16      |
| 17    | 17      |
| 18    | 18      |
| 19    | 19      |
| 20    | 20      |
| 21    | 21      |
| 22    | 22      |
| 23    | 23      |
| 24    | 24      |
| 25    | 25      |
| 26    | 26      |
| 27    | 27      |
| 28    | 28      |
| 29    | 29      |
| 30    | 30      |
| 31    | 31      |
| 32    | 32      |
| 33    | 33      |
| 34    | 34      |
| 35    | 35      |
| 36    | 36      |
| 37    | 37      |
| 38    | 38      |
| 39    | 39      |
| 40    | 40      |
| 41    | 41      |
| 42    | 42      |
| 43    | 43      |
| 44    | 44      |
| 45    | 45      |
| 46    | 46      |
| 47    | 47      |
| 48    | 48      |
| 49    | 49      |
| 50    | 50      |
| 51    | 51      |
| 52    | 52      |
| 53    | 53      |
| 54    | 54      |
| 55    | 55      |
| 56    | 56      |
| 57    | 57      |
| 58    | 58      |
| 59    | 59      |
| 60    | 60      |
| 61    | 61      |
| 62    | 62      |
| 63    | 63      |
| 64    | 64      |
| 65    | 65      |
| 66    | 66      |
| 67    | 67      |
| 68    | 68      |
| 69    | 69      |
| 70    | 70      |
| 71    | 71      |
| 72    | 72      |
| 73    | 73      |
| 74    | 74      |
| 75    | 75      |
| 76    | 76      |
| 77    | 77      |
| 78    | 78      |
| 79    | 79      |
| 80    | 80      |
| 81    | 81      |
| 82    | 82      |
| 83    | 83      |
| 84    | 84      |
| 85    | 85      |
| 86    | 86      |
| 87    | 87      |
| 88    | 88      |
| 89    | 89      |
| 90    | 90      |
| 91    | 91      |
| 92    | 92      |
| 93    | 93      |
| 94    | 94      |
| 95    | 95      |
| 96    | 96      |
| 97    | 97      |
| 98    | 98      |
| 99    | 99      |
| 100   | 100     |

BLOCK 68

STRESS Toluene

MINIMAL DETECTABLE

LIMIT AND UNIT 0.1 ppm

PERSONNEL

## EXCURSION

AREA

[illegible]

\*PROTECTIVE EQUIPMENT: (1) MOUTHBIT (2) FULL FACE (3) HALF FACE OR DUST (4) AIR SUPPLY (5) HEARING PROTECTION

\*\*COMMENTS (Use reverse side)

|   |   |
|---|---|
| 0 | 0 |
| 0 | 0 |
| 2 | 0 |
| 7 |   |
| 4 | 0 |
| 0 | 0 |
| 1 | 0 |
| 2 | 0 |
| 4 | 0 |
| 4 | 4 |
| 1 |   |

### EMPLOYEE EXPOSURE SUMMARY

FILLED IN BY W. Herrick

DR# 0002-5070

QUARTER 2 nd YEAR 1982  
IHG 100 ppm

PLANT LHC III

BLOCK 68

STRESS Toluene

MINIMAL DETECTABLE

LIMIT AND UNIT 0.1 ppm

[illegible]

\*PROTECTIVE EQUIPMENT: (1) MOUTHBIT (2) FULL FACE (3) HALF FACE OR DUST (4) AIR SUPPLY (5) HEARING PROTECTION

\*\*COMMENTS (Use reverse side)

# EMPLOYEE EXPOSURE SUMMARY

QUARTER 2nd YEAR 1982

FILLED IN BY W. Herrick

DR# 0002-5070

IHG 100 ppm

MINIMAL DETECTABLE

PLANT LHC III

BLOCK 68

STRESS Toluene

LIMIT AND UNIT 0.1 ppm

## PERSONNEL

## EXCURSION

## AREA

| NO. | JOB CLASS          | AREA/TASK | *PT EQ. | TWA BASIS | NO. SAMP. | AVG.  | HIGH  | ** C | EXCUR. DURATION | NO. SAMP. | AVG. | HIGH | ** C | SAMPLE DURATION | NO. SAMP. | AVG. | HIGH | * |
|-----|--------------------|-----------|---------|-----------|-----------|-------|-------|------|-----------------|-----------|------|------|------|-----------------|-----------|------|------|---|
| 01  | OTT                |           |         |           |           |       |       |      |                 |           |      |      |      |                 |           |      |      |   |
| 02  | OT                 |           |         |           |           |       |       |      |                 |           |      |      |      |                 |           |      |      |   |
| 03  | SOT                |           |         |           |           |       |       |      |                 |           |      |      |      |                 |           |      |      |   |
| 04  | OS                 |           |         | 8 hr.     | 3         | 0.026 | 0.035 |      |                 |           |      |      |      |                 |           |      |      |   |
| 05  | <del>83</del> Home |           |         | 8 hr.     | 5         | 0.022 | 0.028 |      |                 |           |      |      |      |                 |           |      |      |   |
| 06  | EDO                |           |         |           |           |       |       |      |                 |           |      |      |      |                 |           |      |      |   |
| 07  | LAB                |           |         |           |           |       |       |      |                 |           |      |      |      |                 |           |      |      |   |
| 09  | CLER.              |           |         |           |           |       |       |      |                 |           |      |      |      |                 |           |      |      |   |
| 10  | INSTR              |           |         |           |           |       |       |      |                 |           |      |      |      |                 |           |      |      |   |
| 11  | LABORER            |           |         |           |           |       |       |      |                 |           |      |      |      |                 |           |      |      |   |
| 13  | CONT MAINT         |           |         |           |           |       |       |      |                 |           |      |      |      |                 |           |      |      |   |
| 16  | MATL CONT          |           |         |           |           |       |       |      |                 |           |      |      |      |                 |           |      |      |   |
| 19  | MGRS/NON-OP        |           |         |           |           |       |       |      |                 |           |      |      |      |                 |           |      |      |   |
| 20  | AREA SAMP (NO JC)  |           |         |           |           |       |       |      |                 |           |      |      |      |                 |           |      |      |   |
| 24  | MFG.               |           |         |           |           |       |       |      |                 |           |      |      |      |                 |           |      |      |   |
| 26  | MFG TECH           |           |         |           |           |       |       |      |                 |           |      |      |      |                 |           |      |      |   |
| 28  | CHEMIST            |           |         |           |           |       |       |      |                 |           |      |      |      |                 |           |      |      |   |
| 29  | SET SUPV.          |           |         |           |           |       |       |      |                 |           |      |      |      |                 |           |      |      |   |
| 30  | SHIP COORD.        |           |         |           |           |       |       |      |                 |           |      |      |      |                 |           |      |      |   |

*Change*

\*PROTECTIVE EQUIPMENT: (1) MOUTHBIT (2) FULL FACE (3) HALF FACE OR DUST (4) AIR SUPPLY (5) HEARING PROTECTION

\*\*COMMENTS (Use reverse side)

00 139956  
CONTINUED

*Has been listed*

# EMPLOYEE EXPOSURE SUMMARY

QUARTER 2nd YEAR 1982

FILLED IN BY W. Herrick

DR# 0002-5070

IHG 100 ppm

MINIMAL DETECTABLE

PLANT LHC III BLOCK 68 STRESS Toluene LIMIT AND UNIT 0.1 ppm

| PERSONNEL |                      |               |            |              |              |      |      |         | EXCURSION          |              |      |      |         | AREA               |              |      |      |
|-----------|----------------------|---------------|------------|--------------|--------------|------|------|---------|--------------------|--------------|------|------|---------|--------------------|--------------|------|------|
| NO.       | JOB CLASS            | AREA/<br>TASK | *PT<br>EQ. | TWA<br>BASIS | NO.<br>SAMP. | AVG. | HIGH | **<br>C | EXCUR.<br>DURATION | NO.<br>SAMP. | AVG. | HIGH | **<br>C | SAMPLE<br>DURATION | NO.<br>SAMP. | AVG. | HIGH |
| 01        | OTT                  |               |            |              |              |      |      |         |                    |              |      |      |         |                    |              |      |      |
| 02        | OT                   |               |            |              |              |      |      |         |                    |              |      |      |         |                    |              |      |      |
| 03        | SOT                  |               |            |              |              |      |      |         |                    |              |      |      |         |                    |              |      |      |
| 04        | OS                   |               |            |              |              |      |      |         |                    |              |      |      |         |                    |              |      |      |
| 05        | SS                   |               |            |              |              |      |      |         |                    |              |      |      |         |                    |              |      |      |
| 06        | EDO                  |               |            | 8 hr.        | 6            | 0.11 | 0.23 | -       | and                |              |      |      |         | 0002-5058          |              |      |      |
| 07        | LAB                  |               |            |              |              |      |      |         |                    |              |      |      |         |                    |              |      |      |
| 09        | CLER.                |               |            |              |              |      |      |         |                    |              |      |      |         |                    |              |      |      |
| 10        | INSTR                |               |            |              |              |      |      |         |                    |              |      |      |         |                    |              |      |      |
| 11        | LABORER              |               |            |              |              |      |      |         |                    |              |      |      |         |                    |              |      |      |
| 13        | CONT                 |               |            |              |              |      |      |         |                    |              |      |      |         |                    |              |      |      |
| 13        | MAINT                |               |            |              |              |      |      |         |                    |              |      |      |         |                    |              |      |      |
| 16        | MATL                 |               |            |              |              |      |      |         |                    |              |      |      |         |                    |              |      |      |
| 16        | CONT                 |               |            |              |              |      |      |         |                    |              |      |      |         |                    |              |      |      |
| 19        | MGRS/NON-<br>OP      |               |            |              |              |      |      |         |                    |              |      |      |         |                    |              |      |      |
| 20        | AREA SAMP<br>(NO JC) |               |            |              |              |      |      |         |                    |              |      |      |         |                    |              |      |      |
| 24        | MFG.                 |               |            |              |              |      |      |         |                    |              |      |      |         |                    |              |      |      |
| 24        | MGR.                 |               |            |              |              |      |      |         |                    |              |      |      |         |                    |              |      |      |
| 26        | MFG                  |               |            |              |              |      |      |         |                    |              |      |      |         |                    |              |      |      |
| 26        | TECH                 |               |            |              |              |      |      |         |                    |              |      |      |         |                    |              |      |      |
| 28        | CHEMIST              |               |            |              |              |      |      |         |                    |              |      |      |         |                    |              |      |      |
| 29        | SET                  |               |            |              |              |      |      |         |                    |              |      |      |         |                    |              |      |      |
| 29        | SUPV.                |               |            |              |              |      |      |         |                    |              |      |      |         |                    |              |      |      |
| 30        | SHIP                 |               |            |              |              |      |      |         |                    |              |      |      |         |                    |              |      |      |
| 30        | COORD.               |               |            |              |              |      |      |         |                    |              |      |      |         |                    |              |      |      |

\*PROTECTIVE EQUIPMENT: (1) MOUTHBIT (2) FULL FACE (3) HALF FACE OR DUST (4) AIR SUPPLY (5) HEARING PROTECTION

\*\*COMMENTS (Use reverse side)

*Change*

DO NOT WRITE IN THESE SPACES

### EMPLOYEE EXPOSURE SUMMARY

FILLED IN BY W. Herrick

DR# 0002-8020

QUARTER 1st YEAR 1982  
IHG 100 ppm

| PLANT LHC III |  |  |  | BLOCK 68 |  | STRESS Toluene |  | MINIMAL DETECTABLE LIMIT AND UNIT |  |
|---------------|--|--|--|----------|--|----------------|--|-----------------------------------|--|
| 0681          |  |  |  |          |  |                |  | .01 cm                            |  |

MINIMAL DETECTABLE

## LIMIT AND UNIT

10/20/20

[illegible]

\*PROTECTIVE EQUIPMENT: (1) MOUTHBIT (2) FULL FACE (3) HALF FACE OR DUST (4) AIR SUPPLY (5) HEARING PROTECTION

\*\*COMMENTS (Use reverse side)

+ Worked Ethylene Board

# EMPLOYEE EXPOSURE SUMMARY

FILLED IN BY W. Herrick

DR# 0002-5070

QUARTER 1st YEAR 1982

PLANT LHC III 0681 BLOCK 68

STRESS Toluene

MINIMAL DETECTABLE  
LIMIT AND UNIT .01 ppm

IHG 100 ppm

| PERSONNEL |                      |               |            |              |              |       |      | EXCURSION |                    |              |      |      | AREA    |                    |              |      |      |         |
|-----------|----------------------|---------------|------------|--------------|--------------|-------|------|-----------|--------------------|--------------|------|------|---------|--------------------|--------------|------|------|---------|
| NO.       | JOB CLASS            | AREA/<br>TASK | *PT<br>EQ. | TWA<br>BASIS | NO.<br>SAMP. | AVG.  | HIGH | **<br>C   | EXCUR.<br>DURATION | NO.<br>SAMP. | AVG. | HIGH | **<br>C | SAMPLE<br>DURATION | NO.<br>SAMP. | AVG. | HIGH | **<br>C |
| 01        | OTT                  |               |            |              |              |       |      |           |                    |              |      |      |         |                    |              |      |      |         |
| 02        | OT                   |               |            |              |              |       |      |           |                    |              |      |      |         |                    |              |      |      |         |
| 03        | SOT                  |               |            |              |              |       |      |           |                    |              |      |      |         |                    |              |      |      |         |
| 04        | OS                   |               |            | 8 hr.        | 2            | 0.067 | 0.10 | +         |                    |              |      |      |         |                    |              |      |      |         |
| 05        | SS                   |               |            |              |              |       |      |           |                    |              |      |      |         |                    |              |      |      |         |
| 06        | EDO                  |               |            |              |              |       |      |           |                    |              |      |      |         |                    |              |      |      |         |
| 07        | LAB                  |               |            |              |              |       |      |           |                    |              |      |      |         |                    |              |      |      |         |
| 09        | CLER.                |               |            |              |              |       |      |           |                    |              |      |      |         |                    |              |      |      |         |
| 10        | INSTR                |               |            |              |              |       |      |           |                    |              |      |      |         |                    |              |      |      |         |
| 11        | LABORER              |               |            |              |              |       |      |           |                    |              |      |      |         |                    |              |      |      |         |
| 13        | CONT                 |               |            |              |              |       |      |           |                    |              |      |      |         |                    |              |      |      |         |
| 16        | MAINT                |               |            |              |              |       |      |           |                    |              |      |      |         |                    |              |      |      |         |
| 16        | MATL                 |               |            |              |              |       |      |           |                    |              |      |      |         |                    |              |      |      |         |
| 16        | CONT                 |               |            |              |              |       |      |           |                    |              |      |      |         |                    |              |      |      |         |
| 19        | MGRS/NON-<br>OP      |               |            |              |              |       |      |           |                    |              |      |      |         |                    |              |      |      |         |
| 20        | AREA SAMP<br>(NO JC) |               |            |              |              |       |      |           |                    |              |      |      |         |                    |              |      |      |         |
| 24        | MFG.                 |               |            |              |              |       |      |           |                    |              |      |      |         |                    |              |      |      |         |
| 24        | MGR.                 |               |            |              |              |       |      |           |                    |              |      |      |         |                    |              |      |      |         |
| 26        | MFG                  |               |            |              |              |       |      |           |                    |              |      |      |         |                    |              |      |      |         |
| 26        | TECH                 |               |            |              |              |       |      |           |                    |              |      |      |         |                    |              |      |      |         |
| 28        | CHEMIST              |               |            |              |              |       |      |           |                    |              |      |      |         |                    |              |      |      |         |
| 29        | SET                  |               |            |              |              |       |      |           |                    |              |      |      |         |                    |              |      |      |         |
| 29        | SUPV.                |               |            |              |              |       |      |           |                    |              |      |      |         |                    |              |      |      |         |
| 30        | SHIP                 |               |            |              |              |       |      |           |                    |              |      |      |         |                    |              |      |      |         |
| 30        | COORD.               |               |            |              |              |       |      |           |                    |              |      |      |         |                    |              |      |      |         |

\*PROTECTIVE EQUIPMENT: (1) MOUTHBIT (2) FULL FACE (3) HALF FACE OR DUST (4) AIR SUPPLY (5) HEARING PROTECTION

\*\*COMMENTS (Use reverse side)

DO NOT WRITE IN THESE SPACES

## EMPLOYEE EXPOSURE SUMMARY

QUARTER 1st YEAR 1982

FILLED IN BY W. Herrick

DR# 0002-5070

IHG 100 ppm

MINIMAL DETECTABLE

PLANT LHC III 0681 BLOCK 68 STRESS Toluene LIMIT AND UNIT ppm

|     |                   | PERSONNEL |         |           |           |      |      |      | EXCURSION       |           |      |      |      | AREA            |           |      |      |      |
|-----|-------------------|-----------|---------|-----------|-----------|------|------|------|-----------------|-----------|------|------|------|-----------------|-----------|------|------|------|
| NO. | JOB CLASS         | AREA/TASK | *PT EQ. | TWA BASIS | NO. SAMP. | AVG. | HIGH | ** C | EXCUR. DURATION | NO. SAMP. | AVG. | HIGH | ** C | SAMPLE DURATION | NO. SAMP. | AVG. | HIGH | ** C |
| 01  | OTT               |           |         |           |           |      |      |      |                 |           |      |      |      |                 |           |      |      |      |
| 02  | OT                |           |         |           |           |      |      |      |                 |           |      |      |      |                 |           |      |      |      |
| 03  | SOT               |           |         | 8 hr      | 1         | .02  | .02  | (+)  |                 |           |      |      |      |                 |           |      |      |      |
| 04  | OS                |           |         |           |           |      |      |      |                 |           |      |      |      |                 |           |      |      |      |
| 05  | SS                |           |         |           |           |      |      |      |                 |           |      |      |      |                 |           |      |      |      |
| 06  | EDO               |           |         |           |           |      |      |      |                 |           |      |      |      |                 |           |      |      |      |
| 07  | LAB               |           |         |           |           |      |      |      |                 |           |      |      |      |                 |           |      |      |      |
| 09  | CLER.             |           |         |           |           |      |      |      |                 |           |      |      |      |                 |           |      |      |      |
| 10  | INSTR             |           |         |           |           |      |      |      |                 |           |      |      |      |                 |           |      |      |      |
| 11  | LABORER           |           |         |           |           |      |      |      |                 |           |      |      |      |                 |           |      |      |      |
| 13  | CONT MAINT        |           |         |           |           |      |      |      |                 |           |      |      |      |                 |           |      |      |      |
| 16  | MATL CONT         |           |         |           |           |      |      |      |                 |           |      |      |      |                 |           |      |      |      |
| 19  | MGRS/NON-OP       |           |         |           |           |      |      |      |                 |           |      |      |      |                 |           |      |      |      |
| 20  | AREA SAMP (NO JC) |           |         |           |           |      |      |      |                 |           |      |      |      |                 |           |      |      |      |
| 24  | MFG. MGR.         |           |         |           |           |      |      |      |                 |           |      |      |      |                 |           |      |      |      |
| 26  | MFG TECH          |           |         |           |           |      |      |      |                 |           |      |      |      |                 |           |      |      |      |
| 28  | CHEMIST           |           |         |           |           |      |      |      |                 |           |      |      |      |                 |           |      |      |      |
| 29  | SET SUPV.         |           |         |           |           |      |      |      |                 |           |      |      |      |                 |           |      |      |      |
| 30  | SHIP COORD.       |           |         |           |           |      |      |      |                 |           |      |      |      |                 |           |      |      |      |

\*PROTECTIVE EQUIPMENT: (1) MOUTHBIT (2) FULL FACE (3) HALF FACE OR DUST (4) AIR SUPPLY (5) HEARING PROTECTION

\*\*COMMENTS (Use reverse side)

+ Worked inside C-54 2/26/82

DC 100000  
CONFIDENTIAL

FILLED IN BY W. Herrick

## EMPLOYEE EXPOSURE SUMMARY

QUARTER 1st YEAR 1982PLANT LHC III 0681BLOCK 68 STRESS TolueneMINIMAL DETECTABLE  
LIMIT AND UNIT100 ppb  
01 ppb

| NO. | JOB CLASS            | AREA/<br>TASK | PERSONNEL   |              |                |       |      | AREA               |                |      |      | EXCURSION          |                |      |      |
|-----|----------------------|---------------|-------------|--------------|----------------|-------|------|--------------------|----------------|------|------|--------------------|----------------|------|------|
|     |                      |               | *PT.<br>EQ. | TWA<br>BASIS | NO.<br>SAMPLES | AVG.  | HIGH | SAMPLE<br>DURATION | NO.<br>SAMPLES | AVG. | HIGH | EXCUR.<br>DURATION | NO.<br>SAMPLES | AVG. | HIGH |
| 01  | OTT                  |               |             |              |                |       |      |                    |                |      |      |                    |                |      |      |
| 02  | OT                   |               | 3           | 8 Hr.        | 4              | 0.165 | .19  | C                  |                |      |      |                    |                |      |      |
| 03  | SOT                  |               | 3           | 8 Hr.        | 1              | 0.17  | 0.17 | C                  |                |      |      |                    |                |      |      |
| 04  | OS                   |               |             |              |                |       |      |                    |                |      |      |                    |                |      |      |
| 05  | SS                   |               |             |              |                |       |      |                    |                |      |      |                    |                |      |      |
| 06  | EDO                  |               |             |              |                |       |      |                    |                |      |      |                    |                |      |      |
| 07  | LAB                  |               |             |              |                |       |      |                    |                |      |      |                    |                |      |      |
| 08  | TECH                 |               |             |              |                |       |      |                    |                |      |      |                    |                |      |      |
| 09  | CLER.                |               |             |              |                |       |      |                    |                |      |      |                    |                |      |      |
| 10  | INSTR                |               |             |              |                |       |      |                    |                |      |      |                    |                |      |      |
| 11  | LABORER              |               |             |              |                |       |      |                    |                |      |      |                    |                |      |      |
| 12  | SUMMER               |               |             |              |                |       |      |                    |                |      |      |                    |                |      |      |
| 13  | CONT MAINT           |               |             |              |                |       |      |                    |                |      |      |                    |                |      |      |
| 14  | NON-OS<br>SPEC.      |               |             |              |                |       |      |                    |                |      |      |                    |                |      |      |
| 15  | SECUR.               |               |             |              |                |       |      |                    |                |      |      |                    |                |      |      |
| 16  | MATL CONT            |               |             |              |                |       |      |                    |                |      |      |                    |                |      |      |
| 17  | LOADING              |               |             |              |                |       |      |                    |                |      |      |                    |                |      |      |
| 18  | T/C CLNG             |               |             |              |                |       |      |                    |                |      |      |                    |                |      |      |
| 19  | MGRS/NON-<br>OP      |               |             |              |                |       |      |                    |                |      |      |                    |                |      |      |
| 20  | AREA SAMP<br>(NO JC) |               |             |              |                |       |      |                    |                |      |      |                    |                |      |      |

PROTECTIVE EQUIPMENT: (1) Mouthbit (2) Full Face (3) Half or Dust Face (4) Air Supply (5) Hearing Protection

DO 105961  
CONFIDENTIAL

### EMPLOYEE EXPOSURE SUMMARY

FILLED IN BY W. Herrick

DR# 0002-5058

| QUARTER | 1st | YEAR | 1982 |
|---------|-----|------|------|
|---------|-----|------|------|

ING 10 ppm

PLANT LHC III BLOCK 68

STRESS Benzene

MINIMAL DETECTABLE  
LIMIT AND UNIT 0.1 ppm

[illegible]

\*PROTECTIVE EQUIPMENT: (1) MOUTHBIT (2) FULL FACE (3) HALF FACE OR DUST (4) AIR SUPPLY (5) HEARING PROTECTION

\*\*COMMENTS (Use reverse side)

# EMPLOYEE EXPOSURE SUMMARY

FILLED IN BY W. Herrick

DR# 0002-5058

QUARTER 2nd YEAR 1982

IHG 10 ppm

MINIMAL DETECTABLE

PLANT LHC III

BLOCK 68

STRESS Benzene

LIMIT AND UNIT 0.1

|     |                   | PERSONNEL |         |           |           |      |      |      | EXCURSION       |           |      |      |      | AREA            |           |      |      |
|-----|-------------------|-----------|---------|-----------|-----------|------|------|------|-----------------|-----------|------|------|------|-----------------|-----------|------|------|
| NO. | JOB CLASS         | AREA/TASK | *PT EQ. | TWA BASIS | NO. SAMP. | AVG. | HIGH | ** C | EXCUR. DURATION | NO. SAMP. | AVG. | HIGH | ** C | SAMPLE DURATION | NO. SAMP. | AVG. | HIGH |
| 01  | OTT               |           |         |           |           |      |      |      |                 |           |      |      |      |                 |           |      |      |
| 02  | OT                |           |         |           |           |      |      |      |                 |           |      |      |      |                 |           |      |      |
| 03  | SOT               |           |         |           |           |      |      |      |                 |           |      |      |      |                 |           |      |      |
| 04  | OS                |           |         |           |           |      |      |      |                 |           |      |      |      |                 |           |      |      |
| 05  | SS                |           |         |           |           |      |      |      |                 |           |      |      |      |                 |           |      |      |
| 06  | EDO               |           |         | 8 hr.     | 6         | 0.38 | 0.42 |      |                 |           |      |      |      |                 |           |      |      |
| 07  | LAB               |           |         |           |           |      |      |      |                 |           |      |      |      |                 |           |      |      |
| 09  | CLER.             |           |         |           |           |      |      |      |                 |           |      |      |      |                 |           |      |      |
| 10  | INSTR             |           |         |           |           |      |      |      |                 |           |      |      |      |                 |           |      |      |
| 11  | LABORER           |           |         |           |           |      |      |      |                 |           |      |      |      |                 |           |      |      |
| 13  | CONT MAINT        |           |         |           |           |      |      |      |                 |           |      |      |      |                 |           |      |      |
| 16  | MATL CONT         |           |         |           |           |      |      |      |                 |           |      |      |      |                 |           |      |      |
| 19  | MGRS/NON-OP       |           |         |           |           |      |      |      |                 |           |      |      |      |                 |           |      |      |
| 20  | AREA SAMP (NO JC) |           |         |           |           |      |      |      |                 |           |      |      |      |                 |           |      |      |
| 24  | MFG. MGR.         |           |         |           |           |      |      |      |                 |           |      |      |      |                 |           |      |      |
| 26  | MFG TECH          |           |         |           |           |      |      |      |                 |           |      |      |      |                 |           |      |      |
| 28  | CHEMIST SET       |           |         |           |           |      |      |      |                 |           |      |      |      |                 |           |      |      |
| 29  | SUPV. SHIP        |           |         |           |           |      |      |      |                 |           |      |      |      |                 |           |      |      |
| 30  | COORD.            |           |         |           |           |      |      |      |                 |           |      |      |      |                 |           |      |      |

\*PROTECTIVE EQUIPMENT: (1) MOUTHBIT (2) FULL FACE (3) HALF FACE OR DUST (4) AIR SUPPLY (5) HEARING PROTECTION

\*\*COMMENTS (Use reverse side)

00 0000  
CONTINUED

## EMPLOYEE EXPOSURE SUMMARY

QUARTER 2 nd YEAR 1982FILLED IN BY W. HerrickDR# 0002-5058IHG 10 ppm

MINIMAL DETECTABLE

PLANT LHC III BLOCK 68 STRESS Benzene LIMIT AND UNIT 0.1 ppm

|     |                      | PERSONNEL     |            |              |              |      |      |         | EXCURSION          |              |      |      |         | AREA               |              |      |      |
|-----|----------------------|---------------|------------|--------------|--------------|------|------|---------|--------------------|--------------|------|------|---------|--------------------|--------------|------|------|
| NO. | JOB CLASS            | AREA/<br>TASK | *PT<br>EQ. | TWA<br>BASIS | NO.<br>SAMP. | AVG. | HIGH | **<br>C | EXCUR.<br>DURATION | NO.<br>SAMP. | AVG. | HIGH | **<br>C | SAMPLE<br>DURATION | NO.<br>SAMP. | AVG. | HIGH |
| 01  | OTT                  |               |            |              |              |      |      |         |                    |              |      |      |         |                    |              |      |      |
| 02  | OT                   |               |            |              |              |      |      |         |                    |              |      |      |         |                    |              |      |      |
| 03  | SOT                  |               |            |              |              |      |      |         |                    |              |      |      |         |                    |              |      |      |
| 04  | OS                   |               |            |              |              |      |      |         |                    |              |      |      |         |                    |              |      |      |
| 05  | SS                   |               |            |              |              |      |      |         |                    |              |      |      |         |                    |              |      |      |
| 06  | EDO                  |               | ✓          | 8 hr.        | 4            | 0.02 | 0.03 |         |                    |              |      |      |         |                    |              |      |      |
| 07  | LAB                  |               |            |              |              |      |      |         |                    |              |      |      |         |                    |              |      |      |
| 09  | CLER.                |               |            |              |              |      |      |         |                    |              |      |      |         |                    |              |      |      |
| 10  | INSTR                |               |            |              |              |      |      |         |                    |              |      |      |         |                    |              |      |      |
| 11  | LABORER              |               |            |              |              |      |      |         |                    |              |      |      |         |                    |              |      |      |
| 13  | CONT<br>MAINT        |               |            |              |              |      |      |         |                    |              |      |      |         |                    |              |      |      |
| 16  | MATL<br>CONT         |               |            |              |              |      |      |         |                    |              |      |      |         |                    |              |      |      |
| 19  | MGRS/NON-<br>OP      |               |            |              |              |      |      |         |                    |              |      |      |         |                    |              |      |      |
| 20  | AREA SAMP<br>(NO JC) |               |            |              |              |      |      |         |                    |              |      |      |         |                    |              |      |      |
| 24  | MFG.<br>MGR.         |               |            |              |              |      |      |         |                    |              |      |      |         |                    |              |      |      |
| 26  | MFG<br>TECH          |               |            |              |              |      |      |         |                    |              |      |      |         |                    |              |      |      |
| 28  | CHEMIST              |               |            |              |              |      |      |         |                    |              |      |      |         |                    |              |      |      |
| 29  | SET<br>SUPV.         |               |            |              |              |      |      |         |                    |              |      |      |         |                    |              |      |      |
| 30  | SHIP<br>COORD.       |               |            |              |              |      |      |         |                    |              |      |      |         |                    |              |      |      |

\*PROTECTIVE EQUIPMENT: (1) MOUTHBIT (2) FULL FACE (3) HALF FACE OR DUST (4) AIR SUPPLY (5) HEARING PROTECTION

\*\*COMMENTS (Use reverse side)

# EMPLOYEE EXPOSURE SUMMARY

FILLED IN BY W. Herrick

DR# 0002-5058

QUARTER 2nd YEAR 1982  
IHG 10 ppm

MINIMAL DETECTABLE

PLANT LHC III BLOCK 68 STRESS Benzene LIMIT AND UNIT 0.1 ppm.

| PERSONNEL |                      |           |         |           |           |      |      |      | EXCURSION       |           |      |      |      | AREA            |           |      |      |
|-----------|----------------------|-----------|---------|-----------|-----------|------|------|------|-----------------|-----------|------|------|------|-----------------|-----------|------|------|
| NO.       | JOB CLASS            | AREA/TASK | *PT EQ. | TWA BASIS | NO. SAMP. | AVG. | HIGH | ** C | EXCUR. DURATION | NO. SAMP. | AVG. | HIGH | ** C | SAMPLE DURATION | NO. SAMP. | AVG. | HIGH |
| 01        | OTT                  |           |         |           |           |      |      |      |                 |           |      |      |      |                 |           |      |      |
| 02        | OT                   |           |         |           |           |      |      |      |                 |           |      |      |      |                 |           |      |      |
| 03        | SOT                  |           |         |           |           |      |      |      |                 |           |      |      |      |                 |           |      |      |
| 04        | OS                   |           | ✓       | 8 hr.     | 3         | 0.01 | 0.02 |      |                 |           |      |      |      |                 |           |      |      |
| 05        | <del>ES</del> x Home |           | ✓       | 8 hr.     | 5         | 0.01 | 0.01 |      |                 |           |      |      |      |                 |           |      |      |
| 06        | EDO                  |           |         |           |           |      |      |      |                 |           |      |      |      |                 |           |      |      |
| 07        | LAB                  |           |         |           |           |      |      |      |                 |           |      |      |      |                 |           |      |      |
| 09        | CLER.                |           |         |           |           |      |      |      |                 |           |      |      |      |                 |           |      |      |
| 10        | INSTR                |           |         |           |           |      |      |      |                 |           |      |      |      |                 |           |      |      |
| 11        | LABORER              |           |         |           |           |      |      |      |                 |           |      |      |      |                 |           |      |      |
| 13        | CONT MAINT           |           |         |           |           |      |      |      |                 |           |      |      |      |                 |           |      |      |
| 16        | MATL CONT            |           |         |           |           |      |      |      |                 |           |      |      |      |                 |           |      |      |
| 19        | MGRS/NON-OP          |           |         |           |           |      |      |      |                 |           |      |      |      |                 |           |      |      |
| 20        | AREA SAMP (NO JC)    |           |         |           |           |      |      |      |                 |           |      |      |      |                 |           |      |      |
| 24        | MFG.                 |           |         |           |           |      |      |      |                 |           |      |      |      |                 |           |      |      |
| 26        | MGR.                 |           |         |           |           |      |      |      |                 |           |      |      |      |                 |           |      |      |
| 28        | TECH                 |           |         |           |           |      |      |      |                 |           |      |      |      |                 |           |      |      |
| 28        | CHEMIST              |           |         |           |           |      |      |      |                 |           |      |      |      |                 |           |      |      |
| 29        | SET SUPV.            |           |         |           |           |      |      |      |                 |           |      |      |      |                 |           |      |      |
| 30        | SHIP COORD.          |           |         |           |           |      |      |      |                 |           |      |      |      |                 |           |      |      |

\*PROTECTIVE EQUIPMENT: (1) MOUTHBIT (2) FULL FACE (3) HALF FACE OR DUST (4) AIR SUPPLY (5) HEARING PROTECTION

\*\*COMMENTS (Use reverse side)

# EMPLOYEE EXPOSURE SUMMARY

QUARTER 1st YEAR 1982

FILLED IN BY W. Herrick

DR# 0002-5058

IHG 10 ppm C

PLANT LHC III 0681 BLOCK 68

STRESS Benzene

MINIMAL DETECTABLE  
LIMIT AND UNIT .01 ppm

| PERSONNEL |                      |               |            |              |              |      |      |         | EXCURSION          |              |      |      |         | AREA               |              |      |      |         |
|-----------|----------------------|---------------|------------|--------------|--------------|------|------|---------|--------------------|--------------|------|------|---------|--------------------|--------------|------|------|---------|
| NO.       | JOB CLASS            | AREA/<br>TASK | *PT<br>EQ. | TWA<br>BASIS | NO.<br>SAMP. | AVG. | HIGH | **<br>C | EXCUR.<br>DURATION | NO.<br>SAMP. | AVG. | HIGH | **<br>C | SAMPLE<br>DURATION | NO.<br>SAMP. | AVG. | HIGH | **<br>C |
| 01        | OTT                  |               |            |              |              |      |      |         |                    |              |      |      |         |                    |              |      |      |         |
| 02        | OT                   |               |            | 8 hr.        | 2            | 0.04 | .046 | +       |                    |              |      |      |         |                    |              |      |      |         |
| 03        | SOT                  |               |            |              |              |      |      |         |                    |              |      |      |         |                    |              |      |      |         |
| 04        | OS                   |               |            |              |              |      |      |         |                    |              |      |      |         |                    |              |      |      |         |
| 05        | SS                   |               |            |              |              |      |      |         |                    |              |      |      |         |                    |              |      |      |         |
| 06        | EDO                  |               |            |              |              |      |      |         |                    |              |      |      |         |                    |              |      |      |         |
| 07        | LAB                  |               |            |              |              |      |      |         |                    |              |      |      |         |                    |              |      |      |         |
| 09        | CLER.                |               |            |              |              |      |      |         |                    |              |      |      |         |                    |              |      |      |         |
| 10        | INSTR                |               |            |              |              |      |      |         |                    |              |      |      |         |                    |              |      |      |         |
| 11        | LABORER              |               |            |              |              |      |      |         |                    |              |      |      |         |                    |              |      |      |         |
| 13        | CONT<br>MAINT        |               |            |              |              |      |      |         |                    |              |      |      |         |                    |              |      |      |         |
| 16        | MATL<br>CONT         |               |            |              |              |      |      |         |                    |              |      |      |         |                    |              |      |      |         |
| 19        | MGRS/NON-<br>OP      |               |            |              |              |      |      |         |                    |              |      |      |         |                    |              |      |      |         |
| 20        | AREA SAMP<br>(NO JC) |               |            |              |              |      |      |         |                    |              |      |      |         |                    |              |      |      |         |
| 24        | MFG.<br>MGR.         |               |            |              |              |      |      |         |                    |              |      |      |         |                    |              |      |      |         |
| 26        | MFG<br>TECH          |               |            |              |              |      |      |         |                    |              |      |      |         |                    |              |      |      |         |
| 28        | CHEMIST<br>SET       |               |            |              |              |      |      |         |                    |              |      |      |         |                    |              |      |      |         |
| 29        | SUPV.<br>SHIP        |               |            |              |              |      |      |         |                    |              |      |      |         |                    |              |      |      |         |
| 30        | COORD.               |               |            |              |              |      |      |         |                    |              |      |      |         |                    |              |      |      |         |

\*PROTECTIVE EQUIPMENT: (1) MOUTHBIT (2) FULL FACE (3) HALF FACE OR DUST (4) AIR SUPPLY (5) HEARING PROTECTION

\*\*COMMENTS (Use reverse side)

DO NOT WRITE  
CONFIDENTIAL

# EMPLOYEE EXPOSURE SUMMARY

FILLED IN BY W. Herrick

DR# 0002-5058

QUARTER 1st YEAR 1982  
IHG 10 ppm - C

PLANT LHC III 0691 BLOCK 68

STRESS Benzene

MINIMAL DETECTABLE

LIMIT AND UNIT .01 ppm

| PERSONNEL |                      |               |            |              |              |       |      |         | EXCURSION          |              |      |      |         | AREA               |              |      |      |         |
|-----------|----------------------|---------------|------------|--------------|--------------|-------|------|---------|--------------------|--------------|------|------|---------|--------------------|--------------|------|------|---------|
| NO.       | JOB CLASS            | AREA/<br>TASK | *PT<br>EQ. | TWA<br>BASIS | NO.<br>SAMP. | AVG.  | HIGH | **<br>C | EXCUR.<br>DURATION | NO.<br>SAMP. | AVG. | HIGH | **<br>C | SAMPLE<br>DURATION | NO.<br>SAMP. | AVG. | HIGH | **<br>C |
| 01        | OTT                  |               |            |              |              |       |      |         |                    |              |      |      |         |                    |              |      |      |         |
| 02        | OT                   |               |            |              |              |       |      |         |                    |              |      |      |         |                    |              |      |      |         |
| 03        | SOT                  |               |            |              |              |       |      |         |                    |              |      |      |         |                    |              |      |      |         |
| 04        | OS                   |               |            | 8 hr.        | 2            | 0.025 | 0.03 | +       |                    |              |      |      |         |                    |              |      |      |         |
| 05        | SS                   |               |            |              |              |       |      |         |                    |              |      |      |         |                    |              |      |      |         |
| 06        | EDO                  |               |            |              |              |       |      |         |                    |              |      |      |         |                    |              |      |      |         |
| 07        | LAB                  |               |            |              |              |       |      |         |                    |              |      |      |         |                    |              |      |      |         |
| 09        | CLER.                |               |            |              |              |       |      |         |                    |              |      |      |         |                    |              |      |      |         |
| 10        | INSTR                |               |            |              |              |       |      |         |                    |              |      |      |         |                    |              |      |      |         |
| 11        | LABORER              |               |            |              |              |       |      |         |                    |              |      |      |         |                    |              |      |      |         |
| 13        | CONT                 |               |            |              |              |       |      |         |                    |              |      |      |         |                    |              |      |      |         |
| 16        | MAINT                |               |            |              |              |       |      |         |                    |              |      |      |         |                    |              |      |      |         |
| 19        | MATL                 |               |            |              |              |       |      |         |                    |              |      |      |         |                    |              |      |      |         |
| 20        | CONT                 |               |            |              |              |       |      |         |                    |              |      |      |         |                    |              |      |      |         |
| 24        | MGRS/NON-<br>OP      |               |            |              |              |       |      |         |                    |              |      |      |         |                    |              |      |      |         |
| 26        | AREA SAMP<br>(NO JC) |               |            |              |              |       |      |         |                    |              |      |      |         |                    |              |      |      |         |
| 28        | MFG.                 |               |            |              |              |       |      |         |                    |              |      |      |         |                    |              |      |      |         |
| 29        | MGR.                 |               |            |              |              |       |      |         |                    |              |      |      |         |                    |              |      |      |         |
| 30        | MFG                  |               |            |              |              |       |      |         |                    |              |      |      |         |                    |              |      |      |         |
|           | TECH                 |               |            |              |              |       |      |         |                    |              |      |      |         |                    |              |      |      |         |
|           | CHEMIST              |               |            |              |              |       |      |         |                    |              |      |      |         |                    |              |      |      |         |
|           | SET                  |               |            |              |              |       |      |         |                    |              |      |      |         |                    |              |      |      |         |
|           | SUPV.                |               |            |              |              |       |      |         |                    |              |      |      |         |                    |              |      |      |         |
|           | SHIP                 |               |            |              |              |       |      |         |                    |              |      |      |         |                    |              |      |      |         |
|           | COORD.               |               |            |              |              |       |      |         |                    |              |      |      |         |                    |              |      |      |         |

\*PROTECTIVE EQUIPMENT: (1) MOUTHBIT (2) FULL FACE (3) HALF FACE OR DUST (4) AIR SUPPLY (5) HEARING PROTECTION

\*\*COMMENTS (Use reverse side)

+ Worked Ethylene Board

DO NOT WRITE IN THESE SPACES



# EMPLOYEE EXPOSURE SUMMARY

QUARTER 1st YEAR 1982

FILLED IN BY W. Herrick

0002-5058

PLANT LHC III 0681

BLOCK 68 STRESS Benzene

MINIMAL DETECTABLE .01 ppm 10 ppm  
LIMIT AND UNIT PPM

| NO. | JOB CLASS         | AREA/TASK | PERSONNEL |           |             |      |      | AREA            |             |      |      | EXCURSION       |             |      |      |
|-----|-------------------|-----------|-----------|-----------|-------------|------|------|-----------------|-------------|------|------|-----------------|-------------|------|------|
|     |                   |           | *PT. EQ.  | TWA BASIS | NO. SAMPLES | AVG. | HIGH | SAMPLE DURATION | NO. SAMPLES | AVG. | HIGH | EXCUR. DURATION | NO. SAMPLES | AVG. | HIGH |
| 01  | OTT               |           |           |           |             |      |      |                 |             |      |      |                 |             |      |      |
| 02  | OT                |           | 3         | 8 hr.     | 4           | 0.72 | .75  | C               |             |      |      |                 |             |      |      |
| 03  | SOT               |           | 3         | 8 hr.     | 1           | 0.79 | 0.79 | C               |             |      |      |                 |             |      |      |
| 04  | OS                |           |           |           |             |      |      |                 |             |      |      |                 |             |      |      |
| 05  | SS                |           |           |           |             |      |      |                 |             |      |      |                 |             |      |      |
| 06  | EDO               |           |           |           |             |      |      |                 |             |      |      |                 |             |      |      |
| 07  | LAB               |           |           |           |             |      |      |                 |             |      |      |                 |             |      |      |
| 08  | TECH              |           |           |           |             |      |      |                 |             |      |      |                 |             |      |      |
| 09  | CLER.             |           |           |           |             |      |      |                 |             |      |      |                 |             |      |      |
| 10  | INSTR             |           |           |           |             |      |      |                 |             |      |      |                 |             |      |      |
| 11  | LABORER           |           |           |           |             |      |      |                 |             |      |      |                 |             |      |      |
| 12  | SUMMER            |           |           |           |             |      |      |                 |             |      |      |                 |             |      |      |
| 13  | CONT MAINT        |           |           |           |             |      |      |                 |             |      |      |                 |             |      |      |
| 14  | NON-OS SPEC.      |           |           |           |             |      |      |                 |             |      |      |                 |             |      |      |
| 15  | SECUR.            |           |           |           |             |      |      |                 |             |      |      |                 |             |      |      |
| 16  | MATL CONT         |           |           |           |             |      |      |                 |             |      |      |                 |             |      |      |
| 17  | LOADING           |           |           |           |             |      |      |                 |             |      |      |                 |             |      |      |
| 18  | T/C CLNG          |           |           |           |             |      |      |                 |             |      |      |                 |             |      |      |
| 19  | MGRS/NON-OP       |           |           |           |             |      |      |                 |             |      |      |                 |             |      |      |
| 20  | AREA SAMP (NO JC) |           |           |           |             |      |      |                 |             |      |      |                 |             |      |      |

DO NOT WRITE IN THESE SPACES  
CONFIDENTIAL

# EMPLOYEE EXPOSURE SUMMARY

FILLED IN BY W. Herrick

DR# 0002-505-8

QUARTER 3 rd YEAR 1982

IHG 10 ppm

MINIMAL DETECTABLE

PLANT LHC III BLOCK 68 STRESS Benzene LIMIT AND UNIT 0.1 ppm

|     |                   | PERSONNEL |         |           |           |      |      |      | EXCURSION       |           |      |      |      | AREA            |           |      |      |
|-----|-------------------|-----------|---------|-----------|-----------|------|------|------|-----------------|-----------|------|------|------|-----------------|-----------|------|------|
| NO. | JOB CLASS         | AREA/TASK | *PT EQ. | TWA BASIS | NO. SAMP. | AVG. | HIGH | ** C | EXCUR. DURATION | NO. SAMP. | AVG. | HIGH | ** C | SAMPLE DURATION | NO. SAMP. | AVG. | HIGH |
| 01  | OTT               |           |         |           |           |      |      |      |                 |           |      |      |      |                 |           |      |      |
| 02  | OT                |           | 3       | 8 hr.     | 2         | 4.25 | 4.87 |      |                 |           |      |      |      |                 |           |      |      |
| 03  | SOT               |           | 3       | 8 hr.     | 2         | 5.11 | 8.32 |      |                 |           |      |      |      |                 |           |      |      |
| 04  | OS                |           | 3       | 8 hr.     | 2         | 7.96 | 13.5 |      |                 |           |      |      |      |                 |           |      |      |
| 05  | SS                |           |         |           |           |      |      |      |                 |           |      |      |      |                 |           |      |      |
| 06  | EDO               |           |         |           |           |      |      |      |                 |           |      |      |      |                 |           |      |      |
| 07  | LAB               |           |         |           |           |      |      |      |                 |           |      |      |      |                 |           |      |      |
| 09  | CLER.             |           |         |           |           |      |      |      |                 |           |      |      |      |                 |           |      |      |
| 10  | INSTR             |           |         |           |           |      |      |      |                 |           |      |      |      |                 |           |      |      |
| 11  | LABORER           |           |         |           |           |      |      |      |                 |           |      |      |      |                 |           |      |      |
| 13  | CONT MAINT        |           |         |           |           |      |      |      |                 |           |      |      |      |                 |           |      |      |
| 16  | MATL CONT         |           |         |           |           |      |      |      |                 |           |      |      |      |                 |           |      |      |
| 19  | MGRS/NON-OP       |           |         |           |           |      |      |      |                 |           |      |      |      |                 |           |      |      |
| 20  | AREA SAMP (NO JC) |           |         |           |           |      |      |      |                 |           |      |      |      |                 |           |      |      |
| 24  | MFG. MGR.         |           |         |           |           |      |      |      |                 |           |      |      |      |                 |           |      |      |
| 26  | MFG TECH          |           |         |           |           |      |      |      |                 |           |      |      |      |                 |           |      |      |
| 28  | CHEMIST SET       |           |         |           |           |      |      |      |                 |           |      |      |      |                 |           |      |      |
| 29  | SUPV. SHIP        |           |         |           |           |      |      |      |                 |           |      |      |      |                 |           |      |      |
| 30  | COORD.            |           |         |           |           |      |      |      |                 |           |      |      |      |                 |           |      |      |

\*PROTECTIVE EQUIPMENT: (1) MOUTHBIT (2) FULL FACE (3) HALF FACE OR DUST (4) AIR SUPPLY (5) HEARING PROTECTION

\*\*COMMENTS (Use reverse side)

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CONFIDENTIAL

# EMPLOYEE EXPOSURE SUMMARY

FILLED IN BY W. Herrick

DR# 0002-5070

QUARTER 3rd YEAR 1982

IHG 100 ppm

PLANT LHC III

BLOCK 68

STRESS Toluene

MINIMAL DETECTABLE

LIMIT AND UNIT 0.1 ppm

|     |                   | PERSONNEL |         |           |           |      |      |      | EXCURSION       |           |      |      |      | AREA            |           |      |      |
|-----|-------------------|-----------|---------|-----------|-----------|------|------|------|-----------------|-----------|------|------|------|-----------------|-----------|------|------|
| NO. | JOB CLASS         | AREA/TASK | *PT EQ. | TWA BASIS | NO. SAMP. | AVG. | HIGH | ** C | EXCUR. DURATION | NO. SAMP. | AVG. | HIGH | ** C | SAMPLE DURATION | NO. SAMP. | AVG. | HIGH |
| 01  | OTT               |           |         |           |           |      |      |      |                 |           |      |      |      |                 |           |      |      |
| 02  | OT                |           | 3       | 8 hr.     | 2         | 1.51 | 1.72 |      |                 |           |      |      |      |                 |           |      |      |
| 03  | SOT               |           | 3       | 8 hr.     | 2         | 1.56 | 2.31 |      |                 |           |      |      |      |                 |           |      |      |
| 04  | OS                |           | 3       | 8 hr.     | 2         | 3.31 | 4.97 |      |                 |           |      |      |      |                 |           |      |      |
| 05  | SS                |           |         |           |           |      |      |      |                 |           |      |      |      |                 |           |      |      |
| 06  | EDO               |           |         |           |           |      |      |      |                 |           |      |      |      |                 |           |      |      |
| 07  | LAB               |           |         |           |           |      |      |      |                 |           |      |      |      |                 |           |      |      |
| 09  | CLER.             |           |         |           |           |      |      |      |                 |           |      |      |      |                 |           |      |      |
| 10  | INSTR             |           |         |           |           |      |      |      |                 |           |      |      |      |                 |           |      |      |
| 11  | LABORER           |           |         |           |           |      |      |      |                 |           |      |      |      |                 |           |      |      |
| 13  | CONT MAINT        |           |         |           |           |      |      |      |                 |           |      |      |      |                 |           |      |      |
| 16  | MATL CONT         |           |         |           |           |      |      |      |                 |           |      |      |      |                 |           |      |      |
| 19  | MGRS/NON-OP       |           |         |           |           |      |      |      |                 |           |      |      |      |                 |           |      |      |
| 20  | AREA SAMP (NO JC) |           |         |           |           |      |      |      |                 |           |      |      |      |                 |           |      |      |
| 24  | MFG.              |           |         |           |           |      |      |      |                 |           |      |      |      |                 |           |      |      |
| 26  | MFG TECH          |           |         |           |           |      |      |      |                 |           |      |      |      |                 |           |      |      |
| 28  | CHEMIST           |           |         |           |           |      |      |      |                 |           |      |      |      |                 |           |      |      |
| 29  | SET SUPV.         |           |         |           |           |      |      |      |                 |           |      |      |      |                 |           |      |      |
| 30  | SHIP COORD.       |           |         |           |           |      |      |      |                 |           |      |      |      |                 |           |      |      |

\*PROTECTIVE EQUIPMENT: (1) MOUTHBIT (2) FULL FACE (3) HALF FACE OR DUST (4) AIR SUPPLY (5) HEARING PROTECTION

\*\*COMMENTS (Use reverse side)

DO 139971  
CONFIDENTIAL

# EMPLOYEE EXPOSURE SUMMARY

FILLED IN BY W. Herrick

DR# 0002-5058

QUARTER 3rd YEAR 1982

IHG 10 ppm

MINIMAL DETECTABLE

PLANT LHC III BLOCK 68 STRESS Benzene LIMIT AND UNIT 0.1 ppm

|     |                      | PERSONNEL     |            |              |              |      |      |         | EXCURSION          |              |      |      |         | AREA               |              |      |      |         |
|-----|----------------------|---------------|------------|--------------|--------------|------|------|---------|--------------------|--------------|------|------|---------|--------------------|--------------|------|------|---------|
| NO. | JOB CLASS            | AREA/<br>TASK | *PT<br>EQ. | TWA<br>BASIS | NO.<br>SAMP. | AVG. | HIGH | **<br>C | EXCUR.<br>DURATION | NO.<br>SAMP. | AVG. | HIGH | **<br>C | SAMPLE<br>DURATION | NO.<br>SAMP. | AVG. | HIGH | **<br>C |
| 01  | OTT                  |               |            |              |              |      |      |         |                    |              |      |      |         |                    |              |      |      |         |
| 02  | OT                   |               | 3          | 8 hr.        | 3            | 1.14 | 1.67 |         |                    |              |      |      |         |                    |              |      |      |         |
| 03  | SOT                  |               |            |              |              |      |      |         |                    |              |      |      |         |                    |              |      |      |         |
| 04  | OS                   |               |            |              |              |      |      |         |                    |              |      |      |         |                    |              |      |      |         |
| 05  | SS                   |               |            |              |              |      |      |         |                    |              |      |      |         |                    |              |      |      |         |
| 06  | EDO                  |               |            |              |              |      |      |         |                    |              |      |      |         |                    |              |      |      |         |
| 07  | LAB                  |               |            |              |              |      |      |         |                    |              |      |      |         |                    |              |      |      |         |
| 09  | CLER.                |               |            |              |              |      |      |         |                    |              |      |      |         |                    |              |      |      |         |
| 10  | INSTR                |               |            |              |              |      |      |         |                    |              |      |      |         |                    |              |      |      |         |
| 11  | LABORER              |               |            |              |              |      |      |         |                    |              |      |      |         |                    |              |      |      |         |
| 13  | CONT                 |               |            |              |              |      |      |         |                    |              |      |      |         |                    |              |      |      |         |
| 13  | MAINT                |               |            |              |              |      |      |         |                    |              |      |      |         |                    |              |      |      |         |
| 16  | MATL                 |               |            |              |              |      |      |         |                    |              |      |      |         |                    |              |      |      |         |
| 16  | CONT                 |               |            |              |              |      |      |         |                    |              |      |      |         |                    |              |      |      |         |
| 19  | MGRS/NON-<br>OP      |               |            |              |              |      |      |         |                    |              |      |      |         |                    |              |      |      |         |
| 20  | AREA SAMP<br>(NO JC) |               |            |              |              |      |      |         |                    |              |      |      |         |                    |              |      |      |         |
| 24  | MFG.                 |               |            |              |              |      |      |         |                    |              |      |      |         |                    |              |      |      |         |
| 24  | MGR.                 |               |            |              |              |      |      |         |                    |              |      |      |         |                    |              |      |      |         |
| 26  | MFG                  |               |            |              |              |      |      |         |                    |              |      |      |         |                    |              |      |      |         |
| 26  | TECH                 |               |            |              |              |      |      |         |                    |              |      |      |         |                    |              |      |      |         |
| 28  | CHEMIST              |               |            |              |              |      |      |         |                    |              |      |      |         |                    |              |      |      |         |
| 29  | SET                  |               |            |              |              |      |      |         |                    |              |      |      |         |                    |              |      |      |         |
| 29  | SUPV.                |               |            |              |              |      |      |         |                    |              |      |      |         |                    |              |      |      |         |
| 30  | SHIP                 |               |            |              |              |      |      |         |                    |              |      |      |         |                    |              |      |      |         |
| 30  | COORD.               |               |            |              |              |      |      |         |                    |              |      |      |         |                    |              |      |      |         |

\*PROTECTIVE EQUIPMENT: (1) MOUTHBIT (2) FULL FACE (3) HALF FACE OR DUST (4) AIR SUPPLY (5) HEARING PROTECTION

\*\*COMMENTS (Use reverse side).

DO NOT WRITE  
CONFIDENTIAL

### EMPLOYEE EXPOSURE SUMMARY

| QUARTER | 2nd | YEAR | 1982 |
|---------|-----|------|------|
|---------|-----|------|------|

FILLED IN BY W. Herrick

DR# 0002-5058

IHG 10 ppm

MINIMAL DETECTABLE

|       |         |       |    |        |         |                |         |
|-------|---------|-------|----|--------|---------|----------------|---------|
| PLANT | LHC III | BLOCK | 68 | STRESS | Benzene | LIMIT AND UNIT | 0.1 ppm |
|-------|---------|-------|----|--------|---------|----------------|---------|

PERSONNEL

## EXCURSION

**AREA**

[illegible]

\*PROTECTIVE EQUIPMENT: (1) MOUTHBIT (2) FULL FACE (3) HALF FACE OR DUST (4) AIR SUPPLY (5) HEARING PROTECTION

\*\*COMMENTS (Use reverse side)

# EMPLOYEE EXPOSURE SUMMARY

QUARTER 3 rd YEAR 1982

FILLED IN BY W. Herrick

DR# 0002-5058

IHG 10 ppm

MINIMAL DETECTABLE

PLANT LHC III BLOCK 68 STRESS Benzene LIMIT AND UNIT 0.1 ppm

|     |                      | PERSONNEL     |            |              |              |      |      |         | EXCURSION          |              |      |      |         | AREA               |              |      |      |         |
|-----|----------------------|---------------|------------|--------------|--------------|------|------|---------|--------------------|--------------|------|------|---------|--------------------|--------------|------|------|---------|
| NO. | JOB CLASS            | AREA/<br>TASK | *PT<br>EQ. | TWA<br>BASIS | NO.<br>SAMP. | AVG. | HIGH | **<br>C | EXCUR.<br>DURATION | NO.<br>SAMP. | AVG. | HIGH | **<br>C | SAMPLE<br>DURATION | NO.<br>SAMP. | AVG. | HIGH | **<br>C |
| 01  | OTT                  |               |            |              |              |      |      |         |                    |              |      |      |         |                    |              |      |      |         |
| 02  | OT                   |               |            | 8 hr.        | 3            | 0.18 | 0.35 |         |                    |              |      |      |         |                    |              |      |      |         |
| 03  | SOT                  |               | +          | 8 hr.        | 3            | 0.45 | .92  |         |                    |              |      |      |         |                    |              |      |      |         |
| 04  | OS                   |               |            |              |              |      |      |         |                    |              |      |      |         |                    |              |      |      |         |
| 05  | SS                   |               |            |              |              |      |      |         |                    |              |      |      |         |                    |              |      |      |         |
| 06  | EDO                  |               |            |              |              |      |      |         |                    |              |      |      |         |                    |              |      |      |         |
| 07  | LAB                  |               |            |              |              |      |      |         |                    |              |      |      |         |                    |              |      |      |         |
| 09  | CLER.                |               |            |              |              |      |      |         |                    |              |      |      |         |                    |              |      |      |         |
| 10  | INSTR                |               |            |              |              |      |      |         |                    |              |      |      |         |                    |              |      |      |         |
| 11  | LABORER              |               |            |              |              |      |      |         |                    |              |      |      |         |                    |              |      |      |         |
| 13  | CONT                 |               |            |              |              |      |      |         |                    |              |      |      |         |                    |              |      |      |         |
| 13  | MAINT                |               |            |              |              |      |      |         |                    |              |      |      |         |                    |              |      |      |         |
| 16  | MATL                 |               |            |              |              |      |      |         |                    |              |      |      |         |                    |              |      |      |         |
| 16  | CONT                 |               |            |              |              |      |      |         |                    |              |      |      |         |                    |              |      |      |         |
| 19  | MGRS/NON-<br>OP      |               |            |              |              |      |      |         |                    |              |      |      |         |                    |              |      |      |         |
| 20  | AREA SAMP<br>(NO JC) |               |            |              |              |      |      |         |                    |              |      |      |         |                    |              |      |      |         |
| 24  | MFG.                 |               |            |              |              |      |      |         |                    |              |      |      |         |                    |              |      |      |         |
| 24  | MGR.                 |               |            |              |              |      |      |         |                    |              |      |      |         |                    |              |      |      |         |
| 26  | MFG                  |               |            |              |              |      |      |         |                    |              |      |      |         |                    |              |      |      |         |
| 26  | TECH                 |               |            |              |              |      |      |         |                    |              |      |      |         |                    |              |      |      |         |
| 28  | CHEMIST              |               |            |              |              |      |      |         |                    |              |      |      |         |                    |              |      |      |         |
| 28  | SET                  |               |            |              |              |      |      |         |                    |              |      |      |         |                    |              |      |      |         |
| 29  | SUPV.                |               |            |              |              |      |      |         |                    |              |      |      |         |                    |              |      |      |         |
| 29  | SHIP                 |               |            |              |              |      |      |         |                    |              |      |      |         |                    |              |      |      |         |
| 30  | COORD.               |               |            |              |              |      |      |         |                    |              |      |      |         |                    |              |      |      |         |

\*PROTECTIVE EQUIPMENT: (1) MOUTHBIT (2) FULL FACE (3) HALF FACE OR DUST (4) AIR SUPPLY (5) HEARING PROTECTION

\*\*COMMENTS (Use reverse side) +Note: Benzene SOT wore respirator while making his rounds.

CO-11 Steam contaminated with BTX - Tube leak in E-520 7-4-82

DO 109975  
CONTINUED

# EMPLOYEE EXPOSURE SUMMARY

QUARTER 3 rd YEAR 1982

FILLED IN BY W. Herrick

DR# 0002-505-8  
MINIMAL DETECTABLE  
LIMIT AND UNIT 0.1 ppm

IHG 10 ppm

PLANT LHC III BLOCK 68 STRESS Benzene

| NO. | JOB CLASS            | AREA/<br>TASK | PERSONNEL  |              |              |      |      | EXCURSION |                    |              |      |      | AREA    |                    |              |      |      |
|-----|----------------------|---------------|------------|--------------|--------------|------|------|-----------|--------------------|--------------|------|------|---------|--------------------|--------------|------|------|
|     |                      |               | *PT<br>EQ. | TWA<br>BASIS | NO.<br>SAMP. | AVG. | HIGH | **<br>C   | EXCUR.<br>DURATION | NO.<br>SAMP. | AVG. | HIGH | **<br>C | SAMPLE<br>DURATION | NO.<br>SAMP. | AVG. | HIGH |
| 01  | OTT                  |               |            |              |              |      |      |           |                    |              |      |      |         |                    |              |      |      |
| 02  | OT                   |               | 3          | 8 hr.        | 2            | 4.25 | 4.87 |           |                    |              |      |      |         |                    |              |      |      |
| 03  | SOT                  |               | 3          | 8 hr.        | 2            | 5.11 | 8.32 |           |                    |              |      |      |         |                    |              |      |      |
| 04  | OS                   |               | 3          | 8 hr.        | 2            | 7.96 | 13.5 |           |                    |              |      |      |         |                    |              |      |      |
| 05  | SS                   |               |            |              |              |      |      |           |                    |              |      |      |         |                    |              |      |      |
| 06  | EDO                  |               |            |              |              |      |      |           |                    |              |      |      |         |                    |              |      |      |
| 07  | LAB                  |               |            |              |              |      |      |           |                    |              |      |      |         |                    |              |      |      |
| 09  | CLER.                |               |            |              |              |      |      |           |                    |              |      |      |         |                    |              |      |      |
| 10  | INSTR                |               |            |              |              |      |      |           |                    |              |      |      |         |                    |              |      |      |
| 11  | LABORER              |               |            |              |              |      |      |           |                    |              |      |      |         |                    |              |      |      |
| 13  | CONT<br>MAINT        |               |            |              |              |      |      |           |                    |              |      |      |         |                    |              |      |      |
| 16  | MATL<br>CONT         |               |            |              |              |      |      |           |                    |              |      |      |         |                    |              |      |      |
| 19  | MGRS/NON-<br>OP      |               |            |              |              |      |      |           |                    |              |      |      |         |                    |              |      |      |
| 20  | AREA SAMP<br>(NO JC) |               |            |              |              |      |      |           |                    |              |      |      |         |                    |              |      |      |
| 24  | MFG.<br>MGR.         |               |            |              |              |      |      |           |                    |              |      |      |         |                    |              |      |      |
| 26  | MFG<br>TECH          |               |            |              |              |      |      |           |                    |              |      |      |         |                    |              |      |      |
| 28  | CHEMIST              |               |            |              |              |      |      |           |                    |              |      |      |         |                    |              |      |      |
| 29  | SET<br>SUPV.         |               |            |              |              |      |      |           |                    |              |      |      |         |                    |              |      |      |
| 30  | SHIP<br>COORD.       |               |            |              |              |      |      |           |                    |              |      |      |         |                    |              |      |      |

\*PROTECTIVE EQUIPMENT: (1) MOUTHBIT (2) FULL FACE (3) HALF FACE OR DUST (4) AIR SUPPLY (5) HEARING PROTECTION

\*\*COMMENTS (Use reverse side)

Clean-up of oil from ditch by E-9's valve broke on P-10 July 7, 1982

DO NOT WRITE IN THESE SPACES

# EMPLOYEE EXPOSURE SUMMARY

FILLED IN BY W. Herrick

DR# 0002-5058

QUARTER 1st YEAR 1982

IHG 10 ppm

PLANT LHC III

BLOCK 68

STRESS Benzene

MINIMAL DETECTABLE

LIMIT AND UNIT 0.1 ppm

|     |                      | PERSONNEL     |            |              |              |      |      |         | EXCURSION          |              |      |      |         | AREA               |              |      |      |
|-----|----------------------|---------------|------------|--------------|--------------|------|------|---------|--------------------|--------------|------|------|---------|--------------------|--------------|------|------|
| NO. | JOB CLASS            | AREA/<br>TASK | *PT<br>EQ. | TWA<br>BASIS | NO.<br>SAMP. | AVG. | HIGH | **<br>C | EXCUR.<br>DURATION | NO.<br>SAMP. | AVG. | HIGH | **<br>C | SAMPLE<br>DURATION | NO.<br>SAMP. | AVG. | HIGH |
| 01  | OTT                  |               |            |              |              |      |      |         |                    |              |      |      |         |                    |              |      |      |
| 02  | OT                   |               |            |              |              |      |      |         |                    |              |      |      |         |                    |              |      |      |
| 03  | SOT                  |               |            |              |              |      |      |         |                    |              |      |      |         |                    |              |      |      |
| 04  | OS                   |               |            |              |              |      |      |         |                    |              |      |      |         |                    |              |      |      |
| 05  | SS                   |               |            |              |              |      |      |         |                    |              |      |      |         |                    |              |      |      |
| 06  | EDO                  |               |            | 8 hr.        | 4            | 0.1  | 0.21 |         |                    |              |      |      |         |                    |              |      |      |
| 07  | LAB                  |               |            |              |              |      |      |         |                    |              |      |      |         |                    |              |      |      |
| 09  | CLER.                |               |            |              |              |      |      |         |                    |              |      |      |         |                    |              |      |      |
| 10  | INSTR                |               |            |              |              |      |      |         |                    |              |      |      |         |                    |              |      |      |
| 11  | LABORER              |               |            |              |              |      |      |         |                    |              |      |      |         |                    |              |      |      |
| 13  | CONT                 |               |            |              |              |      |      |         |                    |              |      |      |         |                    |              |      |      |
| 16  | MATL                 |               |            |              |              |      |      |         |                    |              |      |      |         |                    |              |      |      |
| 19  | CONT                 |               |            |              |              |      |      |         |                    |              |      |      |         |                    |              |      |      |
| 19  | MGRS/NON-<br>OP      |               |            |              |              |      |      |         |                    |              |      |      |         |                    |              |      |      |
| 20  | AREA SAMP<br>(NO JC) |               |            |              |              |      |      |         |                    |              |      |      |         |                    |              |      |      |
| 24  | MFG.                 |               |            |              |              |      |      |         |                    |              |      |      |         |                    |              |      |      |
| 24  | MGR.                 |               |            |              |              |      |      |         |                    |              |      |      |         |                    |              |      |      |
| 26  | MFG                  |               |            |              |              |      |      |         |                    |              |      |      |         |                    |              |      |      |
| 26  | TECH                 |               |            |              |              |      |      |         |                    |              |      |      |         |                    |              |      |      |
| 28  | CHEMIST              |               |            |              |              |      |      |         |                    |              |      |      |         |                    |              |      |      |
| 29  | SET                  |               |            |              |              |      |      |         |                    |              |      |      |         |                    |              |      |      |
| 29  | SUPV.                |               |            |              |              |      |      |         |                    |              |      |      |         |                    |              |      |      |
| 30  | SHIP                 |               |            |              |              |      |      |         |                    |              |      |      |         |                    |              |      |      |
| 30  | COORD.               |               |            |              |              |      |      |         |                    |              |      |      |         |                    |              |      |      |

\*PROTECTIVE EQUIPMENT: (1) MOUTHBIT (2) FULL FACE (3) HALF FACE OR DUST (4) AIR SUPPLY (5) HEARING PROTECTION

\*\*COMMENTS (Use reverse side)

DO NOT WRITE IN THESE SPACES

# EMPLOYEE EXPOSURE SUMMARY

FILLED IN BY W. Herrick

DR# 0002-5058

QUARTER 2nd YEAR 1982

IHG 10 ppm

MINIMAL DETECTABLE

PLANT LHC III BLOCK 68 STRESS Benzene LIMIT AND UNIT 0.1

|     |                   | PERSONNEL |         |           |           |      |      |      | EXCURSION       |           |      |      |      | AREA            |           |      |      |
|-----|-------------------|-----------|---------|-----------|-----------|------|------|------|-----------------|-----------|------|------|------|-----------------|-----------|------|------|
| NO. | JOB CLASS         | AREA/TASK | *PT EQ. | TWA BASIS | NO. SAMP. | AVG. | HIGH | ** C | EXCUR. DURATION | NO. SAMP. | AVG. | HIGH | ** C | SAMPLE DURATION | NO. SAMP. | AVG. | HIGH |
| 01  | OTT               |           |         |           |           |      |      |      |                 |           |      |      |      |                 |           |      |      |
| 02  | OT                |           |         |           |           |      |      |      |                 |           |      |      |      |                 |           |      |      |
| 03  | SOT               |           |         |           |           |      |      |      |                 |           |      |      |      |                 |           |      |      |
| 04  | OS                |           |         |           |           |      |      |      |                 |           |      |      |      |                 |           |      |      |
| 05  | SS                |           |         |           |           |      |      |      |                 |           |      |      |      |                 |           |      |      |
| 06  | EDO               |           |         | 8 hr.     | 6         | 0.38 | 0.42 |      |                 |           |      |      |      |                 |           |      |      |
| 07  | LAB               |           |         |           |           |      |      |      |                 |           |      |      |      |                 |           |      |      |
| 09  | CLER.             |           |         |           |           |      |      |      |                 |           |      |      |      |                 |           |      |      |
| 10  | INSTR             |           |         |           |           |      |      |      |                 |           |      |      |      |                 |           |      |      |
| 11  | LABORER           |           |         |           |           |      |      |      |                 |           |      |      |      |                 |           |      |      |
| 13  | CONT MAINT        |           |         |           |           |      |      |      |                 |           |      |      |      |                 |           |      |      |
| 16  | MATL CONT         |           |         |           |           |      |      |      |                 |           |      |      |      |                 |           |      |      |
| 19  | MGRS/NON-OP       |           |         |           |           |      |      |      |                 |           |      |      |      |                 |           |      |      |
| 20  | AREA SAMP (NO JC) |           |         |           |           |      |      |      |                 |           |      |      |      |                 |           |      |      |
| 24  | MFG. MGR.         |           |         |           |           |      |      |      |                 |           |      |      |      |                 |           |      |      |
| 26  | MFG TECH          |           |         |           |           |      |      |      |                 |           |      |      |      |                 |           |      |      |
| 28  | CHEMIST SET       |           |         |           |           |      |      |      |                 |           |      |      |      |                 |           |      |      |
| 29  | SUPV. SHIP        |           |         |           |           |      |      |      |                 |           |      |      |      |                 |           |      |      |
| 30  | COORD.            |           |         |           |           |      |      |      |                 |           |      |      |      |                 |           |      |      |

\*PROTECTIVE EQUIPMENT: (1) MOUTHBIT (2) FULL FACE (3) HALF FACE OR DUST (4) AIR SUPPLY (5) HEARING PROTECTION

\*\*COMMENTS (Use reverse side)

DO 139971  
CONTINUED

# EMPLOYEE EXPOSURE SUMMARY

FILLED IN BY W. Herrick

DR# 0002-5058

QUARTER 2 nd YEAR 1982

IHG 10 ppm

MINIMAL DETECTABLE

PLANT LHC III BLOCK 68 STRESS Benzene LIMIT AND UNIT 0.1 ppm

|     |                   | PERSONNEL |         |           |           |      |      |      | EXCURSION       |           |      |      |      | AREA            |           |      |      |
|-----|-------------------|-----------|---------|-----------|-----------|------|------|------|-----------------|-----------|------|------|------|-----------------|-----------|------|------|
| NO. | JOB CLASS         | AREA/TASK | *PT EQ. | TWA BASIS | NO. SAMP. | AVG. | HIGH | ** C | EXCUR. DURATION | NO. SAMP. | AVG. | HIGH | ** C | SAMPLE DURATION | NO. SAMP. | AVG. | HIGH |
| 01  | OTT               |           |         |           |           |      |      |      |                 |           |      |      |      |                 |           |      |      |
| 02  | OT                |           |         |           |           |      |      |      |                 |           |      |      |      |                 |           |      |      |
| 03  | SOT               |           |         |           |           |      |      |      |                 |           |      |      |      |                 |           |      |      |
| 04  | OS                |           |         |           |           |      |      |      |                 |           |      |      |      |                 |           |      |      |
| 05  | SS                |           |         |           |           |      |      |      |                 |           |      |      |      |                 |           |      |      |
| 06  | EDO               |           | ✓       | 8 hr.     | 4         | 0.02 | 0.03 |      |                 |           |      |      |      |                 |           |      |      |
| 07  | LAB               |           |         |           |           |      |      |      |                 |           |      |      |      |                 |           |      |      |
| 09  | CLER.             |           |         |           |           |      |      |      |                 |           |      |      |      |                 |           |      |      |
| 10  | INSTR             |           |         |           |           |      |      |      |                 |           |      |      |      |                 |           |      |      |
| 11  | LABORER           |           |         |           |           |      |      |      |                 |           |      |      |      |                 |           |      |      |
| 13  | CONT              |           |         |           |           |      |      |      |                 |           |      |      |      |                 |           |      |      |
| 16  | MAINT             |           |         |           |           |      |      |      |                 |           |      |      |      |                 |           |      |      |
| 16  | MATL              |           |         |           |           |      |      |      |                 |           |      |      |      |                 |           |      |      |
| 16  | CONT              |           |         |           |           |      |      |      |                 |           |      |      |      |                 |           |      |      |
| 19  | MGRS/NON-OP       |           |         |           |           |      |      |      |                 |           |      |      |      |                 |           |      |      |
| 20  | AREA SAMP (NO JC) |           |         |           |           |      |      |      |                 |           |      |      |      |                 |           |      |      |
| 24  | MFG.              |           |         |           |           |      |      |      |                 |           |      |      |      |                 |           |      |      |
| 24  | MGR.              |           |         |           |           |      |      |      |                 |           |      |      |      |                 |           |      |      |
| 26  | MFG               |           |         |           |           |      |      |      |                 |           |      |      |      |                 |           |      |      |
| 26  | TECH              |           |         |           |           |      |      |      |                 |           |      |      |      |                 |           |      |      |
| 28  | CHEMIST           |           |         |           |           |      |      |      |                 |           |      |      |      |                 |           |      |      |
| 29  | SET               |           |         |           |           |      |      |      |                 |           |      |      |      |                 |           |      |      |
| 29  | SUPV.             |           |         |           |           |      |      |      |                 |           |      |      |      |                 |           |      |      |
| 30  | SHIP              |           |         |           |           |      |      |      |                 |           |      |      |      |                 |           |      |      |
| 30  | COORD.            |           |         |           |           |      |      |      |                 |           |      |      |      |                 |           |      |      |

\*PROTECTIVE EQUIPMENT: (1) MOUTHBIT (2) FULL FACE (3) HALF FACE OR DUST (4) AIR SUPPLY (5) HEARING PROTECTION

\*\*COMMENTS (Use reverse side)

00 10310  
CONTINUED

# EMPLOYEE EXPOSURE SUMMARY

FILLED IN BY W. Herrick

DR# 0002-5058

QUARTER 2nd YEAR 1982

IHG 10 ppm

MINIMAL DETECTABLE

PLANT LHC III

BLOCK 68

STRESS Benzene

LIMIT AND UNIT 0.1 ppm.

|     |                      | PERSONNEL |         |           |           |      |      |      | EXCURSION       |           |      |      |      | AREA            |           |      |      |      |
|-----|----------------------|-----------|---------|-----------|-----------|------|------|------|-----------------|-----------|------|------|------|-----------------|-----------|------|------|------|
| NO. | JOB CLASS            | AREA/TASK | *PT EQ. | TWA BASIS | NO. SAMP. | AVG. | HIGH | ** C | EXCUR. DURATION | NO. SAMP. | AVG. | HIGH | ** C | SAMPLE DURATION | NO. SAMP. | AVG. | HIGH | ** C |
| 01  | OTT                  |           |         |           |           |      |      |      |                 |           |      |      |      |                 |           |      |      |      |
| 02  | OT                   |           |         |           |           |      |      |      |                 |           |      |      |      |                 |           |      |      |      |
| 03  | SOT                  |           |         |           |           |      |      |      |                 |           |      |      |      |                 |           |      |      |      |
| 04  | OS                   |           | ✓       | 8 hr.     | 3         | 0.01 | 0.02 |      |                 |           |      |      |      |                 |           |      |      |      |
| 05  | <del>SS</del> x Home |           | ✓       | 8 hr.     | 5         | 0.01 | 0.01 |      |                 |           |      |      |      |                 |           |      |      |      |
| 06  | EDO                  |           |         |           |           |      |      |      |                 |           |      |      |      |                 |           |      |      |      |
| 07  | LAB                  |           |         |           |           |      |      |      |                 |           |      |      |      |                 |           |      |      |      |
| 09  | CLER.                |           |         |           |           |      |      |      |                 |           |      |      |      |                 |           |      |      |      |
| 10  | INSTR                |           |         |           |           |      |      |      |                 |           |      |      |      |                 |           |      |      |      |
| 11  | LABORER              |           |         |           |           |      |      |      |                 |           |      |      |      |                 |           |      |      |      |
| 13  | CONT MAINT           |           |         |           |           |      |      |      |                 |           |      |      |      |                 |           |      |      |      |
| 16  | MATL CONT            |           |         |           |           |      |      |      |                 |           |      |      |      |                 |           |      |      |      |
| 19  | MGRS/NON-OP          |           |         |           |           |      |      |      |                 |           |      |      |      |                 |           |      |      |      |
| 20  | AREA SAMP (NO JC)    |           |         |           |           |      |      |      |                 |           |      |      |      |                 |           |      |      |      |
| 24  | MFG. MGR.            |           |         |           |           |      |      |      |                 |           |      |      |      |                 |           |      |      |      |
| 26  | MFG TECH             |           |         |           |           |      |      |      |                 |           |      |      |      |                 |           |      |      |      |
| 28  | CHEMIST SET          |           |         |           |           |      |      |      |                 |           |      |      |      |                 |           |      |      |      |
| 29  | SUPV. SHIP           |           |         |           |           |      |      |      |                 |           |      |      |      |                 |           |      |      |      |
| 30  | COORD.               |           |         |           |           |      |      |      |                 |           |      |      |      |                 |           |      |      |      |

\*PROTECTIVE EQUIPMENT: (1) MOUTHBIT (2) FULL FACE (3) HALF FACE OR DUST (4) AIR SUPPLY (5) HEARING PROTECTION

\*\*COMMENTS (Use reverse side)

DO NOT WRITE IN THESE SPACES