# PHD NSWC POLLUTION PREVENTION ASSESSMENT

| TRACKING NUMBER _____ | 1. Initiator Name: | 2. Code: |
|---|---|---|

| 3. PPL Name: | 4. Process Code Number(s) |
|---|---|

5. Reference Technical Document(s) requiring use of Target Product (TP) (i.e., Dwg, PI, Tech Manuels, etc.)

6. Give a detailed description of process below:

| | | | |
|---|---|---|---|
| 7. Can you minimize any TP use? (explain) | ☐ YES | ☐ NO | ☐ UNKNOWN |
| 8. Can any TP be recycled? (explain) | ☐ YES | ☐ NO | ☐ UNKNOWN |
| 9. Are safer alternatives available? | ☐ YES (LIST) | ☐ NO | ☐ UNKNOWN |
| 10. Does work process impact: | ☐ YES | ☐ NO | ☐ UNKNOWN |
| A. Air emissions (Particulate) | ☐ YES | ☐ NO | ☐ UNKNOWN |
| B. Air emissions (Gas) | ☐ YES | ☐ NO | ☐ UNKNOWN |
| C. Water quality | ☐ YES | ☐ NO | ☐ UNKNOWN |
| D. Create hazardous waste (HW) | ☐ YES | ☐ NO | ☐ UNKNOWN |
| 11. Fill out table on next page and attach MSDS(s) | ☐ YES | ☐ NO | ☐ UNKNOWN |

12. Signature: _____ Date:_____ Code:_____

*Note: Retain orginal for 3 years*

| # | Target Product Name | NSN | Unit of issue and Unit Cost | Quantity units per Year | Quantity HW per Year | Handling Cost per Year | Disposal cost per Year | Constituents Chemical and Weight Percentage |
|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | | | |
| 2 | | | | | | | | |
| 3 | | | | | | | | |
| 4 | | | | | | | | |
| 5 | | | | | | | | |
| 6 | | | | | | | | |
| 7 | | | | | | | | |

## II. EVALUATION:

1. Attach a flowchart of the existing process and assign a tracking number
2. Constituent Material Balance for the Existing Process

Chemical or Product Name_____

Chemical or Product Number_____

3. Basis for Material Balance

| Constituents | input | Waste not recycled | Waste treated on site | Air emissions | Land emissions | Water emissions | Out with product | Generated | Stored or accumulated for reuse | Reacted |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| Totals for all constituents =Full Product | | | | | | | | | | |

4. Comments/Suggestions

5. Signature: Date:

6. Identify Pollution Prevention Alternatives

| # | Alternative Name or Description | Type of Pollution Prevention |
|---|---|---|
| a) | | |
| b) | | |
| c) | | |
| d) | | |
| e) | | |
| f) | | |

7. Attach Flowchart(s) for alternatives

| 8. Signature: | Date: |
|---|---|

**9. Conduct Material Balances for Each Alternative:**

**Alternative Name:** _____ **Alternative Number:** _____

**Basis for the Material Balance**

| Constituents | input | Waste not recycled | Waste treated on site | Air emissions | Land emissions | Water emissions | Out with product | Generated | Stored or accumulated for reuse | Reacted |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| Totals for all constituents =Full Product | | | | | | | | | | |

**10. Comments/Suggestions**

**11. Signature:** **Date:**

12. Indentify Pollution Prevention Alternatives

| # | Alternative Name or Description | Type of Pollution Prevention | Cost | To Be Recommended for Implementation Yes or No ? | Reason for not recommending |
|---|---|---|---|---|---|
| a) | | | | | |
| b) | | | | | |
| c) | | | | | |
| d) | | | | | |
| e) | | | | | |
| f) | | | | | |

| 13. Signature: | Date: |
|---|---|

III. Organization:

1. Fill out the following table:

| # | Alternative Name or Description | Implementing ? Yes or No | Reason for not implementing | Potential impediments to implementation |
|---|---|---|---|---|
| a) | | | | |
| b) | | | | |
| c) | | | | |
| d) | | | | |
| e) | | | | |
| f) | | | | |

2. Develop a schedule for implementing the alternatives (Copy form , as needed)

| Task Number | Description of Task | Estimated Completion Date | Actual Completion Date |
|---|---|---|---|
| | | | |
| | | | |
| | | | |
| | | | |

| Signature: | Date: |
|---|---|