

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY  
DAPC - ANNUAL EMISSIONS REPORT - 2007

ID NUMBER: 3546

NAME: Mountainside Operations

- PROCESS DATA -

POINT 1004 - Process Vessel

PERMIT: 5678

BEGAN OPERATION: 7/4/2002  
CEASED OPERATION: \_\_\_\_\_

MODE 01 - Default

SCC:  
SIC: 1234

DESCRIPTION CORRECTION:

	PERCENT THROUGHPUTS:	DEC-FEB:	%	<u>25.00</u>	%	MAR-MAY:	%	<u>29.17</u>	%
BEGAN OPERATION:	<u>5/4/2005</u>	JUN-AUG:	%	<u>25.00</u>	%	SEP-NOV:	%	<u>20.83</u>	%
CEASED OPERATION:	_____								

UNITS: 100 Pounds Processed

UNITS: 100 Pounds Processed

ANNUAL OPERATION		PEAK OZONE SEASON OPERATION	
HOURS/DAY:	<u>24</u>	HOURS/DAY:	<u>24</u>
DAYS/WEEK:	<u>2</u>	DAYS/WEEK:	<u>2</u>
WEEKS/YEAR:	<u>23</u>	WEEKS/SEASON:	<u>5</u>
HOURS/YEAR:	<u>18.00</u>	HOURS/SEASON:	<u>4.50</u>
		START TIME:	_____
RATE/HR:	<u>8.18</u>	END TIME:	_____
		RATE/HR:	<u>17.73</u>
PWR (LB/HR):	<u>8442.76</u>	PWR (LB/HR):	<u>8442.76</u>
CONFIDENTIAL:	_____	CONFIDENTIAL:	_____

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PERMIT: 5678

BEGAN OPERATION: 5/4/2005  
 CEASED OPERATION: \_\_\_\_\_

MODE 01 - Default

SCC:  
 SIC: 1234

POLLUTANT CODE	ESTIMATION METHOD REPORTED	EMISSION FACTOR REPORTED	TYPICAL EMISSION RATE (LB/HR) REPORTED
VOC (total)	<u>4</u>	<u>0.0243</u>	<u>0.0013</u>
HAPs (total)	<u>4</u>	<u>0.0243</u>	<u>0.0013</u>

POLLUTANT CODE	ESTIMATION METHOD REPORTED	EMISSION FACTOR REPORTED	PEAK OZON SEASON EMISSION RATE (LB/HR) REPORTED

CAPTURING CONTROLS  
 CONTROL 202      CAPTURE EFFICIENCY:      % 100.000 %

CAPTURING STACKS  
 STACK              CAPTURE EFFICIENCY:      % \_\_\_\_\_ %

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY  
DAPC - ANNUAL EMISSIONS REPORT - 2007

ID NUMBER: 3546

NAME: Mountainside Operations

- PROCESS DATA -

POINT 1001 - Process Vessel

PERMIT: 5678

BEGAN OPERATION: 5/4/2005  
CEASED OPERATION: \_\_\_\_\_

MODE 01 - Ethyl Benzoate Process

SCC:  
SIC: 1234

DESCRIPTION CORRECTION:

	PERCENT THROUGHPUTS:	DEC-FEB:	%	<u>18.67</u>	%	MAR-MAY:	%	<u>21.33</u>	%
BEGAN OPERATION:	<u>3/19/2002</u>	JUN-AUG:	%	<u>28.00</u>	%	SEP-NOV:	%	<u>32.00</u>	%
CEASED OPERATION:	_____								

UNITS: 100 Pounds Produced

UNITS: 100 Pounds Produced

ANNUAL OPERATION		PEAK OZONE SEASON OPERATION	
HOURS/DAY:	<u>24</u>	HOURS/DAY:	<u>24</u>
DAYS/WEEK:	<u>2</u>	DAYS/WEEK:	<u>2</u>
WEEKS/YEAR:	<u>48</u>	WEEKS/SEASON:	<u>13</u>
HOURS/YEAR:	<u>1631.25</u>	HOURS/SEASON:	<u>456.75</u>
		START TIME:	_____
RATE/HR:	<u>2.07</u>	END TIME:	_____
		RATE/HR:	<u>3.65</u>
PWR (LB/HR):	<u>0.00</u>	PWR (LB/HR):	<u>0.00</u>
CONFIDENTIAL:	_____	CONFIDENTIAL:	_____



ILLINOIS ENVIRONMENTAL PROTECTION AGENCY  
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ID NUMBER: 3546

NAME: Mountainside Operations

- PROCESS DATA -

POINT 1002 - Process Vessel

PERMIT: 5678

BEGAN OPERATION: 11/4/2004  
CEASED OPERATION: \_\_\_\_\_

MODE 01 - Ethyl Benzoate Process

SCC:  
SIC: 1234

DESCRIPTION CORRECTION:

	PERCENT THROUGHPUTS:	DEC-FEB:	%	<u>18.67</u>	%	MAR-MAY:	%	<u>21.33</u>	%
BEGAN OPERATION:	<u>5/5/2003</u>	JUN-AUG:	%	<u>28.00</u>	%	SEP-NOV:	%	<u>32.00</u>	%
CEASED OPERATION:	_____								

UNITS: 100 Pounds Produced

UNITS: 100 Pounds Produced

ANNUAL OPERATION		PEAK OZONE SEASON OPERATION	
HOURS/DAY:	<u>24</u>	HOURS/DAY:	<u>24</u>
DAYS/WEEK:	<u>2</u>	DAYS/WEEK:	<u>2</u>
WEEKS/YEAR:	<u>48</u>	WEEKS/SEASON:	<u>13</u>
HOURS/YEAR:	<u>218.67</u>	HOURS/SEASON:	<u>61.23</u>
		START TIME:	_____
RATE/HR:	<u>15.44</u>	END TIME:	_____
		RATE/HR:	<u>27.21</u>
PWR (LB/HR):	<u>0.00</u>	PWR (LB/HR):	<u>0.00</u>
CONFIDENTIAL:	_____	CONFIDENTIAL:	_____

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NAME: Mountainside Operations

- PROCESS DATA -

POINT 1002 - Process Vessel

PERMIT: 5678

BEGAN OPERATION: 5/5/2003  
 CEASED OPERATION: \_\_\_\_\_

MODE 01 - Ethyl Benzoate Process

SCC:  
 SIC: 1234

POLLUTANT CODE	ESTIMATION METHOD REPORTED	EMISSION FACTOR REPORTED	TYPICAL EMISSION RATE (LB/HR) REPORTED
VOC (total)	<u>4</u>	<u>5.6488</u>	<u>0.0258</u>

POLLUTANT CODE	ESTIMATION METHOD REPORTED	EMISSION FACTOR REPORTED	PEAK OZON SEASON EMISSION RATE (LB/HR) REPORTED

CAPTURING CONTROLS  
 CONTROL 201      CAPTURE EFFICIENCY:      % 100.000 %

CAPTURING STACKS  
 STACK              CAPTURE EFFICIENCY:      % \_\_\_\_\_ %

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ID NUMBER: 3546

NAME: Mountainside Operations

- PROCESS DATA -

POINT 1001 - Process Vessel

PERMIT: 5678

BEGAN OPERATION: 5/4/2005  
 CEASED OPERATION: \_\_\_\_\_

MODE 02 - Methanol Batch Distillation

SCC:  
 SIC: 1234

DESCRIPTION CORRECTION:

PERCENT THROUGHPUTS: DEC-FEB: % 25.00 % MAR-MAY: % 29.17 %  
 JUN-AUG: % 25.00 % SEP-NOV: % 20.83 %  
 BEGAN OPERATION: 6/5/2003  
 CEASED OPERATION: \_\_\_\_\_

UNITS: 100 Pounds Produced

UNITS: 100 Pounds Produced

ANNUAL OPERATION		PEAK OZONE SEASON OPERATION	
HOURS/DAY:	<u>24</u>	HOURS/DAY:	<u>24</u>
DAYS/WEEK:	<u>2</u>	DAYS/WEEK:	<u>2</u>
WEEKS/YEAR:	<u>23</u>	WEEKS/SEASON:	<u>5</u>
HOURS/YEAR:	<u>138.00</u>	HOURS/SEASON:	<u>34.50</u>
		START TIME:	_____
RATE/HR:	<u>1.07</u>	END TIME:	_____
		RATE/HR:	<u>2.31</u>
PWR (LB/HR):	<u>1207.95</u>	PWR (LB/HR):	<u>1207.95</u>
CONFIDENTIAL:	_____	CONFIDENTIAL:	_____

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ID NUMBER: 3546

NAME: Mountainside Operations

- PROCESS DATA -

POINT 1001 - Process Vessel

PERMIT: 5678

BEGAN OPERATION: 6/5/2003  
 CEASED OPERATION: \_\_\_\_\_

MODE 02 - Methanol Batch Distillation

SCC:  
 SIC: 1234

POLLUTANT CODE	ESTIMATION METHOD REPORTED	EMISSION FACTOR REPORTED	TYPICAL EMISSION RATE (LB/HR) REPORTED
VOC (total)	<u>4</u>	<u>2.0810</u>	<u>0.0151</u>
HAPs (total)	<u>4</u>	<u>2.0810</u>	<u>0.0151</u>

POLLUTANT CODE	ESTIMATION METHOD REPORTED	EMISSION FACTOR REPORTED	PEAK OZON SEASON EMISSION RATE (LB/HR) REPORTED

CAPTURING CONTROLS  
 CONTROL 201      CAPTURE EFFICIENCY:      % 100.000 %

CAPTURING STACKS  
 STACK              CAPTURE EFFICIENCY:      % \_\_\_\_\_ %

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POINT 1002 - Process Vessel

PERMIT: 5678

BEGAN OPERATION: 11/4/2004  
CEASED OPERATION: \_\_\_\_\_

MODE 02 - Methanol Batch Distillation

SCC:  
SIC: 1234

DESCRIPTION CORRECTION:

	PERCENT THROUGHPUTS:	DEC-FEB:	%	<u>25.00</u>	%	MAR-MAY:	%	<u>29.17</u>	%
BEGAN OPERATION:	<u>5/5/2002</u>	JUN-AUG:	%	<u>25.00</u>	%	SEP-NOV:	%	<u>20.83</u>	%
CEASED OPERATION:	_____								

UNITS: 100 Pounds Produced

UNITS: 100 Pounds Produced

ANNUAL OPERATION		PEAK OZONE SEASON OPERATION	
HOURS/DAY:	<u>24</u>	HOURS/DAY:	<u>24</u>
DAYS/WEEK:	<u>2</u>	DAYS/WEEK:	<u>2</u>
WEEKS/YEAR:	<u>23</u>	WEEKS/SEASON:	<u>5</u>
HOURS/YEAR:	<u>60.00</u>	HOURS/SEASON:	<u>15.00</u>
		START TIME:	_____
RATE/HR:	<u>2.45</u>	END TIME:	_____
		RATE/HR:	<u>5.32</u>
PWR (LB/HR):	<u>245.45</u>	PWR (LB/HR):	<u>245.45</u>
CONFIDENTIAL:	_____	CONFIDENTIAL:	_____

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POINT 1002 - Process Vessel

PERMIT: 5678

BEGAN OPERATION: 5/5/2002  
 CEASED OPERATION: \_\_\_\_\_

MODE 02 - Methanol Batch Distillation

SCC:  
 SIC: 1234

POLLUTANT CODE	ESTIMATION METHOD REPORTED	EMISSION FACTOR REPORTED	TYPICAL EMISSION RATE (LB/HR) REPORTED
VOC (total)	<u>4</u>	<u>0.9183</u>	<u>0.0153</u>
HAPs (total)	<u>4</u>	<u>0.9183</u>	<u>0.0153</u>

POLLUTANT CODE	ESTIMATION METHOD REPORTED	EMISSION FACTOR REPORTED	PEAK OZON SEASON EMISSION RATE (LB/HR) REPORTED

CAPTURING CONTROLS  
 CONTROL 201      CAPTURE EFFICIENCY:      % 100.000 %

CAPTURING STACKS  
 STACK              CAPTURE EFFICIENCY:      % \_\_\_\_\_ %

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POINT 1001 - Process Vessel

PERMIT: 5678

BEGAN OPERATION: 5/4/2005  
CEASED OPERATION: \_\_\_\_\_

MODE 03 - Toluene Extraction

SCC:  
SIC: 1234

DESCRIPTION CORRECTION:

	PERCENT THROUGHPUTS:	DEC-FEB:	%	<u>24.71</u>	%	MAR-MAY:	%	<u>21.18</u>	%
BEGAN OPERATION:	<u>8/5/2004</u>	JUN-AUG:	%	<u>32.94</u>	%	SEP-NOV:	%	<u>21.18</u>	%
CEASED OPERATION:	_____								

UNITS: 100 Pounds Produced

UNITS: 100 Pounds Produced

ANNUAL OPERATION		PEAK OZONE SEASON OPERATION	
HOURS/DAY:	<u>24</u>	HOURS/DAY:	<u>24</u>
DAYS/WEEK:	<u>2</u>	DAYS/WEEK:	<u>2</u>
WEEKS/YEAR:	<u>48</u>	WEEKS/SEASON:	<u>13</u>
HOURS/YEAR:	<u>743.75</u>	HOURS/SEASON:	<u>245.00</u>
		START TIME:	_____
RATE/HR:	<u>1.29</u>	END TIME:	_____
		RATE/HR:	<u>1.97</u>
PWR (LB/HR):	<u>508.50</u>	PWR (LB/HR):	<u>508.50</u>
CONFIDENTIAL:	_____	CONFIDENTIAL:	_____

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POINT 1001 - Process Vessel

PERMIT: 5678

BEGAN OPERATION: 8/5/2004  
 CEASED OPERATION: \_\_\_\_\_

MODE 03 - Toluene Extraction

SCC:  
 SIC: 1234

POLLUTANT CODE	ESTIMATION METHOD REPORTED	EMISSION FACTOR REPORTED	TYPICAL EMISSION RATE (LB/HR) REPORTED
VOC (total)	<u>4</u>	<u>8.5832</u>	<u>0.0115</u>
HAPs (total)	<u>4</u>	<u>8.5832</u>	<u>0.0115</u>

POLLUTANT CODE	ESTIMATION METHOD REPORTED	EMISSION FACTOR REPORTED	PEAK OZON SEASON EMISSION RATE (LB/HR) REPORTED

CAPTURING CONTROLS  
 CONTROL 203      CAPTURE EFFICIENCY:      % 100.000 %

CAPTURING STACKS  
 STACK              CAPTURE EFFICIENCY:      % \_\_\_\_\_ %

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POINT 1002 - Process Vessel

PERMIT: 5678

BEGAN OPERATION: 11/4/2004  
CEASED OPERATION: \_\_\_\_\_

MODE 03 - Toluene Extraction

SCC:  
SIC: 1234

DESCRIPTION CORRECTION:

	PERCENT THROUGHPUTS:	DEC-FEB:	%	<u>24.71</u>	%	MAR-MAY:	%	<u>21.18</u>	%
BEGAN OPERATION:	<u>9/5/2001</u>	JUN-AUG:	%	<u>32.94</u>	%	SEP-NOV:	%	<u>21.18</u>	%
CEASED OPERATION:	_____								

UNITS: 100 Pounds Produced

UNITS: 100 Pounds Produced

ANNUAL OPERATION		PEAK OZONE SEASON OPERATION	
HOURS/DAY:	<u>24</u>	HOURS/DAY:	<u>24</u>
DAYS/WEEK:	<u>2</u>	DAYS/WEEK:	<u>2</u>
WEEKS/YEAR:	<u>48</u>	WEEKS/SEASON:	<u>13</u>
HOURS/YEAR:	<u>170.00</u>	HOURS/SEASON:	<u>56.00</u>
		START TIME:	_____
RATE/HR:	<u>5.63</u>	END TIME:	_____
		RATE/HR:	<u>8.64</u>
PWR (LB/HR):	<u>1501.99</u>	PWR (LB/HR):	<u>1501.99</u>
CONFIDENTIAL:	_____	CONFIDENTIAL:	_____

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ID NUMBER: 3546

NAME: Mountainside Operations

- PROCESS DATA -

POINT 1002 - Process Vessel

PERMIT: 5678

BEGAN OPERATION: 9/5/2001  
 CEASED OPERATION: \_\_\_\_\_

MODE 03 - Toluene Extraction

SCC:  
 SIC: 1234

POLLUTANT CODE	ESTIMATION METHOD REPORTED	EMISSION FACTOR REPORTED	TYPICAL EMISSION RATE (LB/HR) REPORTED
VOC (total)	<u>4</u>	<u>1.9029</u>	<u>0.0112</u>
HAPs (total)	<u>4</u>	<u>1.9029</u>	<u>0.0112</u>

POLLUTANT CODE	ESTIMATION METHOD REPORTED	EMISSION FACTOR REPORTED	PEAK OZON SEASON EMISSION RATE (LB/HR) REPORTED

CAPTURING CONTROLS

CONTROL 206      CAPTURE EFFICIENCY:      % 100.000 %

CAPTURING STACKS

STACK      CAPTURE EFFICIENCY:      % \_\_\_\_\_ %