

SMTV FER/EIS Emissions Report (186475) for 2009
Allied Corporation Plant #77
0664980002
April 13, 2010

2009 Emissions Summary Report : 186475

Jun 1 2010, 13:26:57

- Report Data

Report Category: SMTV

Submitted Date: 04/13/2010

Reporting Year: 2009

Approved Date 05/10/2010

Reporting State Approved

- Reports Included

FER: X

ES:

EIS: X

- Facility Emissions

| Pollutant | Code | \$ | Fugitive Amount | Stack Amount | Total | Units |
|--|----------|----|-----------------|--------------|---------|-------|
| PE (Cond) - Primary PM Condensable Portion Only (All Less than 1 Micron) | PM-CON | | 0. | 0. | 0. | TONS |
| SO2 - Sulfur Dioxide | SO2 | X | 0. | 0.11 | 0.11 | TONS |
| NOx - Nitrogen Oxides | NOX | X | 0. | 1.47 | 1.47 | TONS |
| Organic Compounds | OC | X | 1.02 | 2.05 | 3.07 | TONS |
| Pb - Lead | 7439921 | X | 0. | 9.6E-04 | 9.6E-04 | TONS |
| PE (Filt) - Primary PM, Filterable Portion Only | PM-FIL | X | 5.41 | 0.29 | 5.7 | TONS |
| PM10 (Filt) - Primary PM10, Filterable Portion Only | PM10-FIL | | 0. | 0. | 0. | TONS |
| PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only | PM25-FIL | | 0. | 0. | 0. | TONS |
| VOC - Volatile Organic Compounds | VOC | | 0. | 0. | 0. | TONS |
| Ammonia | NH3 | | 0. | 0. | 0. | TONS |
| CO - Carbon Monoxide | CO | | 0.16 | 15.86 | 16.02 | TONS |
| Total of Chargable Pollutants | | | | | 10.351 | TONS |

- Attachments

| Description | Type | Public Document | Trade Secret Document | Trade secret Justification |
|---|-----------------------------|-----------------|-----------------------|----------------------------|
| 2009 Annual Emissions Calculations for Allied Corporation Plant #77 | Annual Summary of Emissions | X | | |

- Notes

| | | |
|-----------|------|------|
| User Name | Date | Note |
|-----------|------|------|

Emission Units Without Detailed Emissions

Jun 1 2010, 13:26:57

| | | |
|---------------|-------------------------------|----------------------|
| Emission Unit | Why Excluded | Company Equipment ID |
| F002 | Less Than 1 TPY per Pollutant | Storage Piles |

Report Pollutant Summary: Total Emissions (Tons)

| Unit | SCC Id | PM-CON | SO2 | NOX | OC | 7439921 | PM-FIL | PM10-FIL | PM25-FIL | VOC | NH3 | CO |
|--------------|-------------|--------|------|------|------|---------|--------|----------|----------|-----|-----|-------|
| F001 | 3-05-002-90 | 0. | 0. | 0. | 0. | 0. | 2.2 | 0. | 0. | 0. | 0. | 0. |
| P901 | 3-05-002-60 | | | | | | | | | | | |
| P901 | 3-05-002-57 | 0. | 0.11 | 1.47 | 3.07 | 9.6E-04 | 3.5 | 0. | 0. | 0. | 0. | 16.02 |
| P901 | 3-05-002-63 | | | | | | | | | | | |
| Total | | 0. | 0.11 | 1.47 | 3.07 | 9.6E-04 | 5.7 | 0. | 0. | 0. | 0. | 16.02 |

Emission Unit Summary: F001

Jun 1 2010, 13:26:57

Emissions Unit ID: F001

Engineering Guide #71 Exemption:

DAPC Description:

- Unit Emissions

| Pollutant | Code | \$ | Fugitive Amount | Stack Amount | Total | Units | QA+ |
|--|----------|----|-----------------|--------------|-------|-------|-----|
| PE (Cond) - Primary PM Condensable Portion Only (All Less than 1 Micron) | PM-CON | | 0 | 0 | 0. | TONS | |
| SO2 - Sulfur Dioxide | SO2 | X | 0 | 0 | 0. | TONS | |
| NOx - Nitrogen Oxides | NOX | X | 0 | 0 | 0. | TONS | |
| Organic Compounds | OC | X | 0 | 0 | 0. | TONS | |
| Pb - Lead | 7439921 | X | 0 | 0 | 0. | TONS | |
| PE (Filt) - Primary PM, Filterable Portion Only | PM-FIL | X | 2.20 | 0 | 2.2 | TONS | |
| PM10 (Filt) - Primary PM10, Filterable Portion Only | PM10-FIL | | 0 | 0 | 0. | TONS | |
| PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only | PM25-FIL | | 0 | 0 | 0. | TONS | |
| VOC - Volatile Organic Compounds | VOC | | 0 | 0 | 0. | TONS | |
| Ammonia | NH3 | | 0 | 0 | 0. | TONS | |
| CO - Carbon Monoxide | CO | | 0 | 0 | 0. | TONS | |
| Total of Chargable Pollutants | | | | | 2.2 | TONS | |

- Processes

- Process & Emissions Detail

Name: HMA Roadways

Source Classification Code (SCC): 3-05-002-90

- Material Information, Annual Average Operating Schedule & Throughput Percent

Schedule Trade Secret:

Hours Per Day: 10

Days Per Week: 6

Weeks Per Year: 34

Hours Per Year: 2040

Winter (Dec - Feb)%: 0

Spring (March-May)%: 20

Summer (June-Aug)%: 40

Fall (Sept-Nov)%: 40

| Material | Material Action | Throughput | X Units |
|--------------------|-----------------|------------|---------|
| Asphaltic Concrete | Processed | 128,194 | TONS |

- **Process Emissions**

| Pollutant | Code | \$ Method Used | Hours UnCont | UnCont. Factor (LBS/X) | Fugitive Amount | Stack Amount | Total | Units | Explanation |
|--|----------|-----------------------------------|--------------|------------------------|-----------------|--------------|-------|-------|-------------|
| PE (Cond) - Primary PM Condensable Portion Only (All Less than 1 Micron) | PM-CON | emissions: ENG. JUDGEMENT | | | 0 | 0 | 0. | TONS | |
| SO2 - Sulfur Dioxide | SO2 | X emissions: ENG. JUDGEMENT | | | 0 | 0 | 0. | TONS | |
| NOx - Nitrogen Oxides | NOX | X emissions: ENG. JUDGEMENT | | | 0 | 0 | 0. | TONS | |
| Organic Compounds | OC | X emissions: ENG. JUDGEMENT | | | 0 | 0 | 0. | TONS | |
| Pb - Lead | 7439921 | X emissions: ENG. JUDGEMENT | | | 0 | 0 | 0. | TONS | |
| PE (Filt) - Primary PM, Filterable Portion Only | PM-FIL | X emissions: ENG. JUDGEMENT | | | 2.20 | 0 | 2.2 | TONS | |
| PM10 (Filt) - Primary PM10, Filterable Portion Only | PM10-FIL | emissions: ENG. JUDGEMENT | | | 0 | 0 | 0. | TONS | |
| PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only | PM25-FIL | emissions: ENG. JUDGEMENT | | | 0 | 0 | 0. | TONS | |
| VOC - Volatile Organic Compounds | VOC | emissions: ENG. JUDGEMENT | | | 0 | 0 | 0. | TONS | |
| | | | | | | | | | |

| | | | | | | | | | |
|-------------------------------------|-----|---------------------------------|--|--|---|---|-----|------|--|
| Ammonia | NH3 | emissions: ENG. JUDGEMENT | | | 0 | 0 | 0. | TONS | |
| CO - Carbon Monoxide | CO | emissions: ENG. JUDGEMENT | | | 0 | 0 | 0. | TONS | |
| Total of Chargable Pollutants | | | | | | | 2.2 | TONS | |

Emission Unit Summary: P901

Jun 1 2010, 13:26:57

Emissions Unit ID: P901

Engineering Guide #71 Exemption:

DAPC Description:

- Unit Emissions

| Pollutant | Code | \$ | Fugitive Amount | Stack Amount | Total | Units | QA+ |
|--|----------|----|-----------------|--------------|---------|-------|-----|
| PE (Cond) - Primary PM Condensable Portion Only (All Less than 1 Micron) | PM-CON | | 0 | 0 | 0. | TONS | |
| SO2 - Sulfur Dioxide | SO2 | X | 0 | 0.11 | 0.11 | TONS | |
| NOx - Nitrogen Oxides | NOX | X | 0 | 1.47 | 1.47 | TONS | |
| Organic Compounds | OC | X | 1.02 | 2.05 | 3.07 | TONS | |
| Pb - Lead | 7439921 | X | 0 | 0.00096 | 9.6E-04 | TONS | |
| PE (Filt) - Primary PM, Filterable Portion Only | PM-FIL | X | 3.21 | 0.29 | 3.5 | TONS | |
| PM10 (Filt) - Primary PM10, Filterable Portion Only | PM10-FIL | | 0 | 0 | 0. | TONS | |
| PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only | PM25-FIL | | 0 | 0 | 0. | TONS | |
| VOC - Volatile Organic Compounds | VOC | | 0 | 0 | 0. | TONS | |
| Ammonia | NH3 | | 0 | 0 | 0. | TONS | |
| CO - Carbon Monoxide | CO | | 0.16 | 15.86 | 16.02 | TONS | |
| Total of Chargable Pollutants | | | | | 8.15096 | TONS | |

- Processes

- Process & Emissions Detail

Name: HMA Production #2

Source Classification Code (SCC): 3-05-002-60

- Material Information, Annual Average Operating Schedule & Throughput Percent

Schedule Trade Secret:

Hours Per Day: 10

Days Per Week: 6

Weeks Per Year: 34

Hours Per Year: 0

Winter (Dec - Feb)%: 0

Spring (March-May)%: 20

Summer (June-Aug)%: 40

Fall (Sept-Nov)%: 40

| Material | Material Action | Throughput | X Units |
|-----------------|-----------------|------------|---------|
| Hot Mix Asphalt | Produced | 0 | TONS |

- **Process Emissions**

| Pollutant | Code | \$ Method Used | Hours UnCont | UnCont. Factor (LBS/X) | Fugitive Amount | Stack Amount | Total | Units | Explanation |
|-------------------------------|------|----------------|--------------|------------------------|-----------------|--------------|-------|-------|-------------|
| Total of Chargable Pollutants | | | | | | | 0. | TONS | |

- **Process & Emissions Detail**

Name: HMA Production NG

Source Classification Code (SCC): 3-05-002-57

- **Material Information, Annual Average Operating Schedule & Throughput Percent**

Schedule Trade Secret:

Hours Per Day: 10

Days Per Week: 6

Weeks Per Year: 34

Hours Per Year: 2040

Winter (Dec - Feb)%: 0

Spring (March-May)%: 20

Summer (June-Aug)%: 40

Fall (Sept-Nov)%: 40

| Material | Material Action | Throughput | X Units |
|-----------------|-----------------|------------|---------|
| Hot Mix Asphalt | Produced | 128,194 | TONS |

- **Process Emissions**

| Pollutant | Code | \$ Method Used | Hours UnCont | UnCont. Factor (LBS/X) | Fugitive Amount | Stack Amount | Total | Units | Explanation |
|--|--------|---------------------------|--------------|------------------------|-----------------|--------------|-------|-------|-------------|
| PE (Cond) - Primary PM Condensable Portion Only (All Less than 1 Micron) | PM-CON | emissions: ENG. JUDGEMENT | | | 0 | 0 | 0. | TONS | |

| | | | | | | | | | | |
|---|----------|---|---------------------------------|--|--|------|---------|---------|------|--|
| SO2 - Sulfur Dioxide | SO2 | X | emissions: STACK TEST | | | 0 | 0.11 | 0.11 | TONS | |
| NOx - Nitrogen Oxides | NOX | X | emissions: STACK TEST | | | 0 | 1.47 | 1.47 | TONS | |
| Organic Compounds | OC | X | emissions: STACK TEST | | | 1.02 | 2.05 | 3.07 | TONS | |
| Pb - Lead | 7439921 | X | emissions: ENG. JUDGEMENT | | | 0 | 0.00096 | 9.6E-04 | TONS | |
| PE (Filt) - Primary PM, Filterable Portion Only | PM-FIL | X | emissions: STACK TEST | | | 3.21 | 0.29 | 3.5 | TONS | |
| PM10 (Filt) - Primary PM10, Filterable Portion Only | PM10-FIL | | emissions: ENG. JUDGEMENT | | | 0 | 0 | 0. | TONS | |
| PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only | PM25-FIL | | emissions: ENG. JUDGEMENT | | | 0 | 0 | 0. | TONS | |
| VOC - Volatile Organic Compounds | VOC | | emissions: ENG. JUDGEMENT | | | 0 | 0 | 0. | TONS | |
| Ammonia | NH3 | | emissions: ENG. JUDGEMENT | | | 0 | 0 | 0. | TONS | |
| CO - Carbon Monoxide | CO | | emissions: STACK TEST | | | 0.16 | 15.86 | 16.02 | TONS | |
| Total of Chargable Pollutants | | | | | | | | 8.15096 | TONS | |

- **Process & Emissions Detail**

Name: HMA Production RUO

Source Classification Code (SCC): 3-05-002-63

- **Material Information, Annual Average Operating Schedule & Throughput Percent**

Schedule Trade Secret:

Hours Per Day: 10
 Days Per Week: 6
 Weeks Per Year: 34
 Hours Per Year: 0

Winter (Dec - Feb)%: 0
 Spring (March-May)%: 20
 Summer (June-Aug)%: 40
 Fall (Sept-Nov)%: 40

| Material | Material Action | Throughput | X Units |
|-----------------|-----------------|------------|---------|
| Hot Mix Asphalt | Produced | 0 | TONS |

- **Process Emissions**

| Pollutant | Code | Method Used | Hours UnCont | UnCont. Factor (LBS/X) | Fugitive Amount | Stack Amount | Total | Units | Explanation |
|-------------------------------|------|-------------|--------------|------------------------|-----------------|--------------|-------|-------|-------------|
| Total of Chargable Pollutants | | | | | | | 0. | TONS | |