Under the authority of RSMo 643 and the Federal Clean Air Act the applicant is authorized to construct the air contaminant source(s) described below, in accordance with the laws, rules and conditions as set forth herein.

Permit Number: 072007-012

Project Number: 2006-12-055

Parent Company: Alcan Products Corporation

Parent Company Address: 6060 Parkland Blvd., Cleveland Ohio 44124-4185

Installation Name: Alcan Cable

Installation Address: 20213 Whitefield Road, Sedalia, MO 65301

Location Information: Pettis County, S26, T46N, 22W

Application for Authority to Construct was made for:
The expansion of the existing installation by installing additional cabling and armoring. The hourly capacity of cabling will increase 2600 pounds/hour and will allow for an increase in extruding of cable in moisture lines 1 and 2 and the CV-1 extrusion line. This review was conducted in accordance with Section (5), Missouri State Rule 10 CSR 10-6.060, Construction Permits Required.

☐ Standard Conditions (on reverse) are applicable to this permit.

☑ Standard Conditions (on reverse) and Special Conditions are applicable to this permit.

JUL 30 2007

EFFECTIVE DATE
STANDARD CONDITIONS:

Permission to construct may be revoked if you fail to begin construction or modification within two years from the effective date of this permit. Permittee should notify the Air Pollution Control Program if construction or modification is not started within two years after the effective date of this permit, or if construction or modification is suspended for one year or more.

You will be in violation of 10 CSR 10-6.060 if you fail to adhere to the specifications and conditions listed in your application, this permit and the project review. In the event that there is a discrepancy between the permit application and this permit, the conditions of this permit shall take precedence. Specifically, all air contaminant control devices shall be operated and maintained as specified in the application, associated plans and specifications.

You must notify the department's Air Pollution Control Program of the anticipated date of start up of this (these) air contaminant sources(s). The information must be made available not more than 60 days but at least 30 days in advance of this date. Also, you must notify the Department of Natural Resources' Regional office responsible for the area within which you are located with 15 days after the actual start up of this (these) air contaminant source(s).

A copy of this permit and permit review shall be kept at the installation address and shall be made available to Department of Natural Resources' personnel upon request.

You may appeal this permit or any of the listed special conditions to the Administrative Hearing Commission (AHC), P.O. Box 1557, Jefferson City, MO 65102, as provided in RSMo 643.075.6 and 621.250.3. If you choose to appeal, you must file a petition with the AHC within 30 days after the date this decision was mailed or the date it was delivered, whichever date was earlier. If any such petition is sent by registered mail or certified mail, it will be deemed filed on the date it is mailed. If it is sent by any method other than registered mail or certified mail, it will be deemed filed on the date it is received by the AHC.

If you choose not to appeal, this certificate, the project review and your application and associated correspondence constitutes your permit to construct. The permit allows you to construct and operate your air contaminant sources(s), but in no way relieves you of your obligation to comply with all applicable provisions of the Missouri Air Conservation Law, regulations of the Department of Natural Resources and other applicable federal, state and local laws and ordinances.

The Air Pollution Control Program invites your questions regarding this air pollution permit. Please contact the Construction Permit Unit at (573) 751-4817. If you prefer to write, please address your correspondence to the Department of Natural Resources' Air Pollution Control Program, P.O. Box 176, Jefferson City, MO 65102-0176, Attention: Construction Permit Unit.
STATE OF MISSOURI

DEPARTMENT OF NATURAL RESOURCES

MISSOURI AIR CONSERVATION COMMISSION

PERMIT TO CONSTRUCT

Under the authority of RSMo 643 and the Federal Clean Air Act the applicant is authorized to construct the air contaminant source(s) described below, in accordance with the laws, rules and conditions as set forth herein.

Permit Number: Project Number: 2006-12-055

Parent Company: Alcan Products Corporation

Parent Company Address: 6060 Parkland Blvd., Cleveland Ohio 44124-4185

Installation Name: Alcan Cable

Installation Address: 20213 Whitefield Road, Sedalia, MO  65301

Location Information: Pettis County, S26, T46N, 22W

Application for Authority to Construct was made for:
The expansion of the existing installation by installing additional cabling and armoring. The hourly capacity of cabling will increase 2600 pounds/hour and will allow for an increase in extruding of cable in moisture lines 1 and 2 and the CV-1 extrusion line. This review was conducted in accordance with Section (5), Missouri State Rule 10 CSR 10-6.060, Construction Permits Required.

☐ Standard Conditions (on reverse) are applicable to this permit.

☐ Standard Conditions (on reverse) and Special Conditions are applicable to this permit.

EFFECTIVE DATE

DIRECTOR OR DESIGNEE

DEPARTMENT OF NATURAL RESOURCES
STANDARD CONDITIONS:

Permission to construct may be revoked if you fail to begin construction or modification within two years from the effective date of this permit. Permittee should notify the Air Pollution Control Program if construction or modification is not started within two years after the effective date of this permit, or if construction or modification is suspended for one year or more.

You will be in violation of 10 CSR 10-6.060 if you fail to adhere to the specifications and conditions listed in your application, this permit and the project review. In the event that there is a discrepancy between the permit application and this permit, the conditions of this permit shall take precedence. Specifically, all air contaminant control devises shall be operated and maintained as specified in the application, associated plans and specifications.

You must notify the department’s Air Pollution Control Program of the anticipated date of start up of this (these) air contaminant sources(s). The information must be made available not more than 60 days but at least 30 days in advance of this date. Also, you must notify the Department of Natural Resources Regional office responsible for the area within which you are located with 15 days after the actual start up of this (these) air contaminant source(s).

A copy of this permit and permit review shall be kept at the installation address and shall be made available to Department of Natural Resources’ personnel upon request.

You may appeal this permit or any of the listed special conditions to the Administrative Hearing Commission (AHC), P.O. Box 1557, Jefferson City, MO 65102, as provided in RSMo 643.075.6 and 621.250.3. If you choose to appeal, you must file a petition with the AHC within 30 days after the date this decision was mailed or the date it was delivered, whichever date was earlier. If any such petition is sent by registered mail or certified mail, it will be deemed filed on the date it is mailed. If it is sent by any method other than registered mail or certified mail, it will be deemed filed on the date it is received by the AHC.

If you choose not to appeal, this certificate, the project review and your application and associated correspondence constitutes your permit to construct. The permit allows you to construct and operate your air contaminant sources(s), but in no way relieves you of your obligation to comply with all applicable provisions of the Missouri Air Conservation Law, regulations of the Missouri Department of Natural Resources and other applicable federal, state and local laws and ordinances.

The Air Pollution Control Program invites your questions regarding this air pollution permit. Please contact the Construction Permit Unit at (573) 751-4817. If you prefer to write, please address your correspondence to the Missouri Department of Natural Resources, Air Pollution Control Program, P.O. Box 176, Jefferson City, MO 65102-0176, attention: Construction Permit Unit.
SPECIAL CONDITIONS:
The permittee is authorized to construct and operate subject to the following special conditions:

*The special conditions listed in this permit were included based on the authority granted the Missouri Air Pollution Control Program by the Missouri Air Conservation Law (specifically 643.075) and by the Missouri Rules listed in Title 10, Division 10 of the Code of State Regulations (specifically 10 CSR 10-6.060). For specific details regarding conditions, see 10 CSR 10-6.060 paragraph (12)(A)10. “Conditions required by permitting authority.”*

Alcan Cable
Pettis County, S26, T46N, 22W

1. **Superseding Condition**
   The conditions of this permit supersede Special Condition 1 of Permit Number 052005-021 (project number 2005-02-064).

2. **HAPs Emission Limitations**
   A. Alcan Cable shall limit the entire installation to less than ten (10) tons individually or twenty-five (25) tons combined of Hazardous Air Pollutants (HAPs) emissions from the entire installation in any consecutive 12-month rolling average period.

   B. Attachment B, Attachment C, and Attachment D or equivalent forms approved by the Air Pollution Control Program shall be used to demonstrate compliance with Special Conditions 2.A. The records must include each individual HAP identified on the Material Safety Data Sheets (MSDS) for the HAP containing products in use in the entire installation. The total of the individual HAPs must add up to the total combined HAPs. Alcan Cable shall maintain all records required by this permit for not less than five (5) years and shall make them available immediately to any Missouri Department of Natural Resources’ personnel upon request. These records shall include MSDS for all materials used.

   C. Alcan Cable shall report to the Air Pollution Control Program’s Enforcement Section, P.O. Box 176, Jefferson City, Missouri 65102, no later than ten (10) days after the end of the month during which the records from Special Condition Number 2.B. indicate that the source exceeds the limitation of Special Conditions Number 2.A.
REVIEW OF APPLICATION FOR AUTHORITY TO CONSTRUCT AND OPERATE
SECTION (5) REVIEW
Project Number: 2006-12-055
Installation ID Number: 159-0022
Permit Number:

Alcan Cable
20213 Whitefield Road
Sedalia, MO 65301

Complete: December 12, 2006
Reviewed: April 15, 2007

Parent Company:
Alcan Products Corporation
6060 Parkland Blvd.
Cleveland, Ohio 44124-4185

Pettis County, S26, T46N, 22W

REVIEW SUMMARY

- Alcan Cable has applied for authority to expand the existing installation by installing additional cabling and armoring. The hourly capacity of cabling will increase up to 2600 pounds/hour and will allow for an increase in extruding of cable in moisture lines 1 and 2 and the CV-1 extrusion line.

- Hazardous Air Pollutant (HAP) emissions are expected from the proposed equipment. HAPs of concern from this process are acetophenone and methanol.

- None of the New Source Performance Standards (NSPS) apply to the proposed equipment.

- None of the National Emission Standards for Hazardous Air Pollutants (NESHAPs) or currently promulgated Maximum Achievable Control Technology (MACT) regulations apply to the proposed equipment. However, the only MACT standard that potentially may apply is 40 CFR Part 63 Subpart DDDDD, if the site was a major source of any HAPs. The site has taken a limit to not be a major source of HAPs.

- No air pollution control equipment is being used in association with the new equipment.

- This review was conducted in accordance with Section (5) of Missouri State Rule 10 CSR 10-6.060, Construction Permits Required. Potential emissions of methanol are conditioned to be below de minimis levels.

- This installation is located in Pettis County, an attainment area for all criteria air pollutants.

- This installation is not on the List of Named Installations [10 CSR 10-6.020(3)(B), Table 2].
• Ambient air quality modeling was not performed since potential emissions of the application are below de minimis levels.

• Emissions testing is not required for the equipment.

• An Intermediate Operating Permit application is required for this installation within 30 days of equipment startup.

• Approval of this permit is recommended with special conditions.

INSTALLATION DESCRIPTION

Alcan Cable is an existing aluminum cable manufacturing facility located in Pettis County in Sedalia, Missouri. The Sedalia plant operates 24 hours a day, 7 days a week with about 220 employees and produces electrical cable for commercial applications. The process involves receiving aluminum rods, which are then drawn and stranded to the correct electrical specifications. The strand is then heated in an annealing furnace to improve mechanical and electrical properties. The strand may be shipped bare or insulated. The insulation process involves extruding various plastics and coating over the strand after which some are labeled using printers. Lengths of jacketed strand are then cabled together to make up the various products.

The main emissions from this project originate from the saunas used to moisture cure the extruded product and storage of the cured product on reels prior to further processing and or shipment.

Alcan Cable has the potential to be a major source of HAPs, but has submitted an application for an intermediate operating permit (project number 159002020). The intermediate operating permit limits the emission to less than 10 tons per year, and the emissions of all HAPs combined to not exceed 25 tons per year.

This project 2006-12-055 limits the entire installation to a limit of less than ten (10) tons of methanol (HAP) in any consecutive 12-month period.

The following permits have been issued to Alcan Cable from the Air Pollution Control Program.

Table 1: Permit Activity at Alcan Cable (159-0022)

<table>
<thead>
<tr>
<th>Permit Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1097-008</td>
<td>Installation of three (3) ink jet printers</td>
</tr>
<tr>
<td>0798-003</td>
<td>Installation of one (1) ink jet printer</td>
</tr>
<tr>
<td>112000-006</td>
<td>Installation of a steam generator</td>
</tr>
<tr>
<td>112000-006A</td>
<td>Amendment of Permit number 112000-006</td>
</tr>
<tr>
<td>072001-011</td>
<td>Replace Extrusion Line</td>
</tr>
<tr>
<td>052005-021</td>
<td>Add Production Lines</td>
</tr>
</tbody>
</table>

This plant constructed 4 saunas without obtaining a construction permit. Obtaining
permit number 052005-021 was the remedial enforcement action to correct the failure to
obtain a construction permit.

PROJECT DESCRIPTION

Construction permit 052005-021 added moisture cure line 2 (referred to as flat line 2)
This essentially doubled the capacity of the moisture cure compound from 1500 pounds
per hour to 3000 pounds per hour. The number of saunas was also increased with
permit 052005-021 from 4 to 12 with a maximum hourly design rate of 4380 pounds per
hour of moisture cure compound. The capacity of the saunas is greater than the 3000
pounds per hour of the moisture cure extrusion rates for lines 1 and 2. Moisture cure
lines 1 and 2 can each still process 1500 pounds per hour of compound and CV1 can
still process 1286 pounds per hour of compound.

However, the installation is bottlenecked at the cabling operation. Cabling is the down
stream process were individual conductors are reassembled together. This project is to
increase the cabling rate by 2,600 pounds of aluminum per hour. Currently there are
two cablers. The 50 inch cabler is rated for 2000 pounds per hour of aluminum
throughput. The 68 inch cabler is rated for 2,600 pounds per hour. The new 68 inch
cabler is also rated for 2,600 pounds of aluminum per hour.

The maximum hourly rate of extrusion through moisture cure lines 1 and 2 and CV1 are
not changing. Moisture cure lines 1 and 2 can each process 1500 pounds per hour of
compound and CV1 can still process 1286 pounds per hour of compound. This total
amount of extrusion is equivalent to 10,000 pounds per hour of aluminum. This project
is not adjusting the two existing moisture cure lines from permit number 052005-021.
The CV line is rated at 3000 pounds per hour of aluminum throughput. This cabling
project will allow for additional utilization of the extrusion lines as they will be able to
process 2,600 more pounds of aluminum per hour. This will give the site a total cabling
capacity of 7200 pounds of aluminum per hour (4600 to 7200).

The project includes adding more armor lines in 2007. Armoring occurs after cabling
where an armor jacket is added over the cable. Armor is not added to every cable.
Presently four armor units currently are able to achieve 3,150 pounds of Aluminum per
hour (1 at 750, 1 at 700, 1 at 800 and 1 at 900 pounds of aluminum per hour). In 2007,
two new armor units will be added. They each are rated at 900 pounds of aluminum per
hour. In 2010, two additional 900 pound of aluminum per hour units will be added. The
final capacity will be 6,750 pound per hour of aluminum throughput.

The two poly line and armor lines all occur after cabling. All products do not receive a
poly jacket and all are not armored. The bottleneck will continue to be cabling.

Alcan Cable is proposing to install equipment (Table 2) that has no emissions
associated with the equipment operation. However, the operations associated with that equipment can be a source of emissions. The emission increase from this project is due to the additional cabling capacity being added. These emissions will come from peroxide compound, moisture cure compound, poly line compound, facility-wide natural gas usage, facility wide coating and legend painting correction.

**Table 2: New Equipment added that does not have emissions.**

<table>
<thead>
<tr>
<th>Description</th>
<th>Case One</th>
</tr>
</thead>
<tbody>
<tr>
<td>68 inch cabler Coilers (2)</td>
<td></td>
</tr>
<tr>
<td>Armor lines (4 total)</td>
<td></td>
</tr>
<tr>
<td>Double Twist Strander</td>
<td>54 Wire Rigid Strander</td>
</tr>
<tr>
<td>Single Twist Strander</td>
<td></td>
</tr>
<tr>
<td>Rewind Lines (2)</td>
<td>Neutral Serve 31 inch Bobbin</td>
</tr>
<tr>
<td>Product Test Station</td>
<td></td>
</tr>
</tbody>
</table>

Emissions for facility wide coating and natural gas consumption were estimated from the ratio of current to previous year aluminum rod throughput. This overestimates the emissions from printing since color coating will be eliminated by mid year 2007. This also overstates the solvent consumption needed for print correcting color coating removal which will also be eliminated by midyear of 2007.

In addition, two annealing furnaces (each 4 MMBtu/hr) are being added. Also, two low pressure boilers (3 MMBtu/hour) will be added to supply steam to the 12 existing saunas. The existing two high-pressure boilers will be dismantled and removed from service.

Two scenarios were conducted to assess the maximum increase in hourly emissions from the 68 inch cabler that will be added in 2007. Both scenarios assume cabling capacity increases from 4,600 to 7,200 pound of aluminum per hour. Case one maximizes moisture cure product at 7,000 pounds per hour and the remaining 200 pounds per hour cable capacity consumed by the CV line. The other case maximizes CV-1 throughput at 3,000 pounds per hour with the remaining 4,200 pounds per hour cable capacity consumed by the two moisture cure lines. Case one and case two emissions are summarized in the following table.

**Table 3: Case One and Case Two Emissions**

<table>
<thead>
<tr>
<th>Description and Units</th>
<th>Case One*</th>
<th>Case Two*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Potential emission if not bottlenecked by cablers (tons per year)</td>
<td>17.52</td>
<td>17.5</td>
</tr>
<tr>
<td>Actual Emissions based on pounds of compound for a Two Year Average (tons per year)</td>
<td>4.47</td>
<td>4.57</td>
</tr>
<tr>
<td>Projected hourly emission increase in emissions with more cable capacity (Pounds per year)</td>
<td>1.37</td>
<td>1.49</td>
</tr>
<tr>
<td>Potential Annual Emissions Increase with more cable capacity. (tons per year)</td>
<td>6.01</td>
<td>6.51</td>
</tr>
</tbody>
</table>

* Case one is maximum moisture cure production and case two is maximum CV1 production.
Other scenarios indicate potential emissions increases in methanol emissions will not exceed 6.51 tons per year above the actual 2-year average emissions for the 2005 to 2006 period. Potential increases in acetophenone are 0.53 tons per year above the most recent 2-year average.

Additionally, plans are to install a new poly line. This line (poly line 3) is to be installed in the new building. Once installed and operational, poly line 1 will be dismantled and removed from service. This is considered a like kind exchange and the emissions are not considered in this de-bottlenecking. Silos currently in use for poly lines 1 and 2 will remain in service for compound storage. Poly line 3 will require two (2) new silos and plastic pellet handling equipment for the pellets is exempt from construction permits.

The existing four armoring lines being upgraded means existing equipment is being modernized. However, the maximum hourly design rate is not increasing as a result of the modernized upgrade.

Table 4: Alcan Cable’s existing building revisions at 159-0022.

<table>
<thead>
<tr>
<th>Existing Building – Revision Planned</th>
<th>Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>New Annealing Furnace #4</td>
<td>2009</td>
</tr>
<tr>
<td>Replace Annealing Furnace #1</td>
<td>2009</td>
</tr>
<tr>
<td>New Annealing Furnace #5</td>
<td>2010</td>
</tr>
<tr>
<td>Discontinue Poly Line #1</td>
<td>2009</td>
</tr>
<tr>
<td>Remove #3 and #7 Tube Stranders</td>
<td>2008</td>
</tr>
<tr>
<td>Furnace Building Expansion</td>
<td>2009</td>
</tr>
<tr>
<td>New Double Twist Strander</td>
<td>2009</td>
</tr>
<tr>
<td>New Rewind Line</td>
<td>2010</td>
</tr>
<tr>
<td>New Dual Wire Draw and remove 10DXT-1 Draw Machine</td>
<td>2010</td>
</tr>
<tr>
<td>New Coilers (2)</td>
<td>2010</td>
</tr>
<tr>
<td>New 54 wire Rigid Strander</td>
<td>2010</td>
</tr>
<tr>
<td>New Neutral Serve (31” bbn) to replace existing (22”bbn)</td>
<td>2010</td>
</tr>
<tr>
<td>Replace High pressure boilers with two low pressure boilers</td>
<td>2010</td>
</tr>
</tbody>
</table>

Table 5: Alcan Cable’s new building revisions at 159-0022.

<table>
<thead>
<tr>
<th>New Building –Process Revisions</th>
<th>Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>New 68 inch Cabler</td>
<td>2007</td>
</tr>
<tr>
<td>Replace 50 inch Bow Cabler with new 50 inch Bow Cabler</td>
<td>2008</td>
</tr>
<tr>
<td>Move Existing 68 inch Bow Cabler</td>
<td>2009</td>
</tr>
<tr>
<td>New Armor Lines (2)</td>
<td>2007</td>
</tr>
<tr>
<td>Upgrade Existing Armor lines (2) and Relocate</td>
<td>2008</td>
</tr>
<tr>
<td>Upgrade Existing Armor lines (2) and Relocate</td>
<td>2009</td>
</tr>
<tr>
<td>New Armor Lines (2)</td>
<td>2010</td>
</tr>
<tr>
<td>New Single Twist Strander</td>
<td>2008</td>
</tr>
<tr>
<td>New poly line 3 Followed by legend Printer</td>
<td>2008</td>
</tr>
<tr>
<td>New PVC Compound Silos (2)</td>
<td>2008</td>
</tr>
<tr>
<td>New Product Test Station</td>
<td>2008</td>
</tr>
<tr>
<td>New Rewind</td>
<td>2008</td>
</tr>
<tr>
<td>New Shipping Area</td>
<td>2008</td>
</tr>
</tbody>
</table>
EMISSIONS/CONTROLS EVALUATION

The emission factors used in this analysis were obtained from testing conducted by the site, Material Safety Data Sheets (MSDS), or historical usage and mass balance, and from plant testing at a similar installation. Potential emissions of the application represent the potential of the new equipment, assuming continuous operation (8760 hours per year.) The following table provides an emissions summary for this project.

Table 6: Emissions Summary (tons per year).

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>PM$_{10}$</td>
<td>15.0</td>
<td>1.52</td>
<td>0.14</td>
<td>0.46</td>
<td>N/D</td>
</tr>
<tr>
<td>SO$_x$</td>
<td>40.0</td>
<td>N/A</td>
<td>0.01</td>
<td>0.04</td>
<td>N/D</td>
</tr>
<tr>
<td>NO$_x$</td>
<td>40.0</td>
<td>N/A</td>
<td>1.82</td>
<td>9.38</td>
<td>N/D</td>
</tr>
<tr>
<td>VOC</td>
<td>40.0</td>
<td>20.05</td>
<td>8.50</td>
<td>7.38****</td>
<td>N/D</td>
</tr>
<tr>
<td>CO</td>
<td>100.0</td>
<td>1.98</td>
<td>1.53</td>
<td>5.05</td>
<td>N/D</td>
</tr>
<tr>
<td>HAPs</td>
<td>10.0/25.0</td>
<td>16.09</td>
<td>N/D</td>
<td>7.04</td>
<td>&lt;10.0/25.0</td>
</tr>
<tr>
<td>Methanol</td>
<td>10.0</td>
<td>16.10</td>
<td>N/D</td>
<td>6.51***</td>
<td>&lt;10.0</td>
</tr>
<tr>
<td>Acetophenone</td>
<td>10.0</td>
<td>N/D</td>
<td>N/D</td>
<td>0.53***</td>
<td>&lt;10.0</td>
</tr>
</tbody>
</table>

*N/A = Not Applicable; N/D = Not Determined

** Taken from Permit Number with project number: 2005-02-064

*** De - bottlenecking PTE emissions are above the actual 2-year average emissions for 2005 to 2006 period.

**** VOC PTE emissions include Methanol and Acetophenone which are both a VOC and a HAP.

PERMIT RULE APPLICABILITY

This review was conducted in accordance with Section (5) of Missouri State Rule 10 CSR 10-6.060, Construction Permits Required. Potential emissions of all pollutants are below de minimis levels.

APPLICABLE REQUIREMENTS

Alcan Cable shall comply with the following applicable requirements. The Missouri Air Conservation Laws and Regulations should be consulted for specific record keeping, monitoring, and reporting requirements. Compliance with these emission standards, based on information submitted in the application, has been verified at the time this application was approved. For a complete list of applicable requirements for your installation, please consult your operating permit – modify for sources not required to submit an operating permit.
GENERAL REQUIREMENTS

• Submission of Emission Data, Emission Fees and Process Information, 10 CSR 10-6.110
  The emission fee is the amount established by the Missouri Air Conservation Commission annually under Missouri Air Law 643.079(1). Submission of an Emissions Inventory Questionnaire (EIQ) is required April 1 for the previous year's emissions.

• Operating Permits, 10 CSR 10-6.065

• Restriction of Particulate Matter to the Ambient Air Beyond the Premises of Origin, 10 CSR 10-6.170

• Restriction of Emission of Visible Air Contaminants, 10 CSR 10-6.220

• Restriction of Emission of Odors, 10 CSR 10-3.090

SPECIFIC REQUIREMENTS

• Restriction of Emission of Particulate Matter From Industrial Processes, 10 CSR 10-6.400

STAFF RECOMMENDATION

On the basis of this review conducted in accordance with Section (5), Missouri State Rule 10 CSR 10-6.060, Construction Permits Required, I recommend this permit be granted with special conditions.

Timothy Paul Hines
Environmental Engineer

PERMIT DOCUMENTS

The following documents are incorporated by reference into this permit:

• The Application for Authority to Construct form, dated 12/20/06, received 12/21/2006, designating Alcan Products Corporation as the owner and operator of the installation.


• Kansas City Regional Office Site Survey, dated 01/09/07.
Attachment A - Monthly Combined HAPs Tracking Record
Alcan Cable
Pettis County, S26, T46N, 22W
Project Number: 2006-12-055
Installation ID Number: 159-0022
Permit Number:

This sheet covers the month of ___________ in the year ___________.

Copy this sheet as needed.

<table>
<thead>
<tr>
<th>Column 1</th>
<th>Column 2 (a)</th>
<th>Column 3</th>
<th>Column 4</th>
<th>Column 5</th>
</tr>
</thead>
<tbody>
<tr>
<td>Material Used, (Name, HAP CAS #)</td>
<td>Amount of Material Used (Include Units)</td>
<td>Density (Pounds per Gallon)</td>
<td>HAP Content (Weight %)</td>
<td>HAP Emissions (Tons)</td>
</tr>
</tbody>
</table>

(b) Total HAP Emissions Calculated for this Month in Tons:

(c) 12-Month HAP Emissions Total from Previous Month’s Attachment B in Tons:

(d) Monthly HAP Emissions Total (b) from Previous Year’s Attachment B in Tons:

(e) Current 12-month Total of HAP Emissions in Tons: [(b) + (c) - (d)]

Instructions: Choose appropriate HAP calculation method for units reported:

(a) 1) If usage is in tons - [Column 2] x [Column 4] = [Column 5];
2) If usage is in pounds - [Column 2] x [Column 4] x [0.0005] = [Column 5];
3) If usage is in gallons - [Column 2] x [Column 3] x [Column 4] x [0.0005] = [Column 5];

(b) Summation of [Column 5] in Tons;

(c) 12-Month HAP emissions (e) from last month’s Attachment B in Tons;

(d) Monthly HAP emissions total (b) from the previous year’s Attachment B in Tons; and

(e) Calculate the new 12-month combined HAPs emissions total.

A 12-Month HAP emissions total (e) of less than 25 tons for the installation indicates compliance.
## Attachment B: Monthly Individual HAPs Tracking Record

**Alcan Cable**

**Pettis County, S26, T46N, 22W**

**Project Number: 2006-12-055**

**Installation ID Number: 159-0022**

**Permit Number:** 

<table>
<thead>
<tr>
<th>Column 1 (a)</th>
<th>Column 2 (b)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>List materials from Attachment B which emit this specific HAP (Name, Type)</strong></td>
<td><strong>HAP emissions from Attachment B [Column 5] (in Tons)</strong></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

(c) **Total HAP Emissions Calculated for this Month, in Tons:** 

(d) **12-Month HAP Emissions Total (f) from Previous Month's Attachment C, in Tons:** 

(e) **Monthly HAP Emissions Total (c) from Previous Year's Attachment C, in Tons:** 

(f) **Current 12-month Total of HAP Emissions in Tons:** 

\[(c) + (d) - (e)\]

Instructions:

(a) Individually list each material which emits this specific HAP from this installation;

(b) Record the amount of HAP emissions already calculated for Attachment B in [Column 5] in Tons;

(c) Summation of [Column 2] in Tons;

(d) Record the previous 12-Month individual HAP emission total (f) from last month's Attachment C, in Tons;

(e) Record the monthly HAP emission total (c) from previous year's Attachment C, in Tons; and calculate the new 12-month individual HAP emissions total. **A 12-Month individual HAP emissions total of less**
than ten (10.0) tons for the installation indicates compliance.

**Attachment C – Hazardous Air Pollutants Calculation Sheet**

Alcan Cable  
Pettis County, S26, T46N, 22W  
Project Number: 2006-12-055  
Installation ID Number: 159-0022  
Permit Number:

This sheet covers the month of ________________ in the year ________________.
Copy this sheet as needed.

<table>
<thead>
<tr>
<th>Column 1</th>
<th>Column 2</th>
<th>Column 3 (a)</th>
<th>Column 4</th>
<th>Column 5</th>
<th>Column 6 (b)</th>
<th>Column 7 (c)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Date</td>
<td>Material Used (Name, Type)</td>
<td>Application Rate (Gallons per hour)</td>
<td>Density (Pounds per gallon)</td>
<td>Individual HAP Content (Weight %)</td>
<td>Individual HAP Emissions (Tons per Year)</td>
<td>Screen Modeling Action Level (Tons per Year)</td>
</tr>
</tbody>
</table>

**Instructions:** Calculate the potential emissions of each individual HAP contained in the material

(a) Note: If the maximum hourly design rate is equal to 0.24 gallons per hour for the emission point.

(b) \[\text{Column 3} \times \text{Column 4} \times \text{Column 5} \times 4.38 = \text{Column 6}\].

(c) Screen Modeling Action Levels for individual HAPs can be found in Attachment F.
Compare potential emissions of the individual HAP in [Column 6] to those from [Column 7]. If [Column 6] is greater than [Column 7], obtain permission from Air Pollution Control program before using this material.
Mr. Allen Sublett
Environmental Coordinator
Alcan Cable
20213 Whitefield Road
Sedalia, MO 65301-1519

RE: New Source Review Permit - Project Number: 2006-12-055

Dear Mr. Allen Sublett:

Enclosed with this letter is your permit to construct. Please study it carefully. Also, note the special conditions, if any, on the accompanying pages. The document entitled, "Review of Application for Authority to Construct," is part of the permit and should be kept with this permit in your files.

Operation in accordance with these conditions, your new source review permit application and with your amended operating permit is necessary for continued compliance.

The reverse side of your permit certificate has important information concerning standard permit conditions and your rights and obligations under the laws and regulations of the State of Missouri.

If you have any questions regarding this permit, please do not hesitate to contact Tim Hines at (573) 751-4817, or you may write to me at the Department of Natural Resources’ Air Pollution Control Program, P.O. Box 176, Jefferson City, MO 65102.

Sincerely,

AIR POLLUTION CONTROL PROGRAM

Kendall B. Hale
New Source Review Unit Chief

KBH:thl

Enclosures

c: Kansas City Regional Office
   PAMS File 2006-12-055

   Permit Number: