

### **Statement of Intent:**

The total VOC emitted at Taylor Manufacturing Industries Limited as well as several VOC compounds in the paints/solvents used exceed the NPRI reporting threshold and the TRA reporting criteria. The Company will explore various options to reduce their use, creation and emission where feasible and practical.

### **Objectives:**

The Taylor Group, the operating name of Taylor Manufacturing Industries Limited, makes displays for industrial trade shows. The basic platform for the display is wood. As such, woodworking and painting are significant activities. The Company is aware of the trend towards green products and will consider any practical and viable options to reduce the use of harmful chemicals.

The Taylor Group will investigate various options to reduce and replace the use of substances that exceeded the NPRI reporting threshold. Specifically, we will look at the practicality and feasibility in switching to water based paints, a more efficient spray equipment and at inventory control.

### **Description of Substances Targeted**

The following table identifies the substances of concern that have met and will likely meet the TRA reporting criteria. As mentioned, some substances that do not meet the 2011 reporting year may do so in proceeding years due to the nature of the business. Some paints may be popular in one year and others may not.

The following substances were investigated

- Acetone – CAS # 67-64-1
- Ethyl benzene CAS # 100-41-4
- Methyl isobutyl ketone CAS # 108-10-1
- Toluene CAS # 108-88-3
- Butyl acetate CAS # 123-86-4
- Xylenes CAS # 1330-20-7
- 1,2,4-trimethylbenzene CAS # 95-63-6

## Facility and Company Information

### Owner of the Facility Information

<b>Facility Name</b>	The Taylor Group
<b>NPRI ID Number</b>	11501
<b>Two Digit NAICS Code</b>	32
<b>Four Digit NAICS Code</b>	3219
<b>Six Digit NAICS Code</b>	321999
<b>Number of Full Time Employees</b>	200
<b>UTM Spatial Coordinates (NAD83)</b>	603965.44 Easting, 4836887.65 northing

### Owner of the Facility Information

<b>Name</b>	Taylor Manufacturing Industries Inc.
<b>Address</b>	255 Biscayne Crescent, Brampton, Ontario L6W 4R2
<b>Phone Number</b>	905-451-1281
<b>Fax Number</b>	905-451-3338
<b>E-Mail</b>	info@taylorinc.com

### Operator of the Facility Information

<b>Name</b>	Taylor Manufacturing Industries Inc.
<b>Address</b>	255 Biscayne Crescent, Brampton, Ontario L6W 4R2
<b>Phone Number</b>	905-451-1281
<b>Fax Number</b>	905-451-3338
<b>E-Mail</b>	info@taylorinc.com

### Highest Ranking Employee at the Facility Information

<b>Name</b>	Len Piccininni
<b>Address</b>	255 Biscayne Crescent, Brampton, Ontario L6W 4R2
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### Parent Company Information

<b>Name</b>	Taylor Manufacturing Industries Inc.
<b>Address</b>	255 Biscayne Crescent, Brampton, Ontario L6W 4R2
<b>Phone Number</b>	905-451-1281
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<b>E-Mail</b>	info@taylorinc.com

### Toxic Substance Reduction Plan Company Contacts

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<b>Position</b>	Purchasing Manager
<b>Company</b>	The Taylor Group
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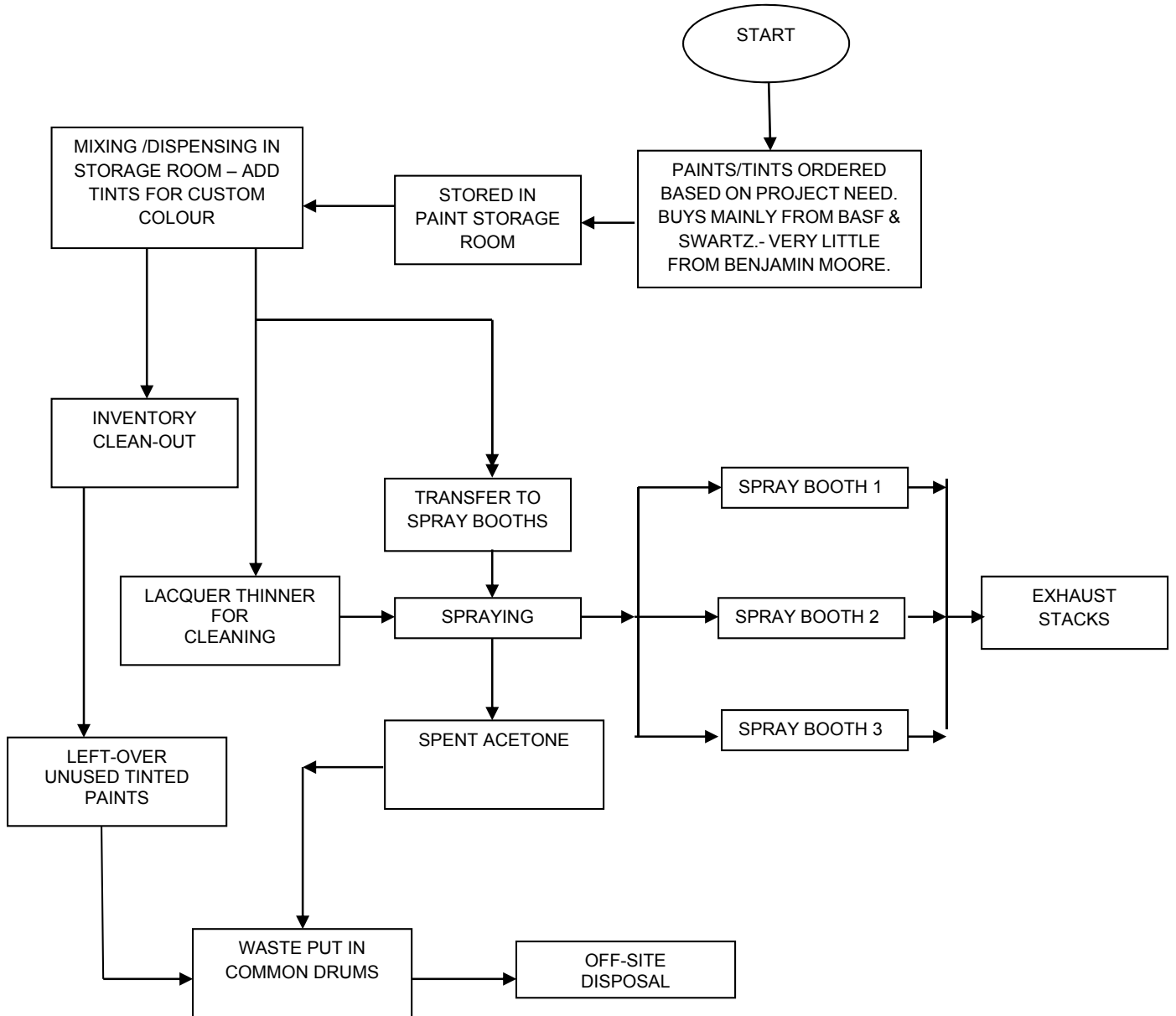
### Toxic Substance Reduction Plan Consultant Contacts

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**Public Contact**

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<b>Position</b>	Purchasing Manager
<b>Company</b>	The Taylor Group
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<b>Phone Number</b>	905-451-1281
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### Identification of Travel in Stages of Substances of Concern



### **Description of the Processes and Flow of Chemicals**

Because each project is different, the amount of paint ordered each time is small to minimize waste. Most of the time, the paint used is enamel based. However, there are occasions when water based paints are used. These are Benjamin Moore paints bought in either gallon or quart size cans. Choice of paint used, ie enamel or water based, is determined by the customer. Enamel base is the prevailing choice. We see water base paints as a practical potential option to reduce the use of VOC's.

The paint storage room is very close to the spray booths. Paint is carried to the spray booths. Because of this proximity, there is minimal if any spillage.

Cleaning spray guns and associated equipment are cleaned using a lacquer thinner, Schwartz 4T100 – a VOC based product.

### **Conclusions and Company Decision**

We found 2 options to reduce the use of the substance. One is more extensive recycling of the lacquer thinner. This option was recently implemented. Recycled VOC is re-used and has cut down the virgin amount bought. The other is in switching to water base paints. Taylor has experimented with the use of water based paints and found that they could be used in some projects. Their widespread implementation, however, is determined by customer preference. At this point, there is still an overwhelming bias for enamel based paint finish.

The Taylor Group because of the aforementioned reasons, will not make any significant changes to their use of enamel based paints, the source of the substances of concern, until the customers' preference is changed or new technology comes along that will meet our objectives.

**END**