

## Nuisance Factors

Below are a list of nuisance factors that pertain to asphalt and concrete production:

Nuisance	Concrete Plant	Asphalt Plant
<b>Aesthetic</b>	<ul style="list-style-type: none"> <li>Mechanics of plant are enclosed by a building</li> </ul>	<ul style="list-style-type: none"> <li>No architectural enclosure, all mechanics exposed</li> </ul>
<b>Odour</b>	<ul style="list-style-type: none"> <li>No odour</li> </ul>	<ul style="list-style-type: none"> <li>Smell of burnt bitumen/oils extend beyond property boundaries</li> </ul>
<b>Noise</b>	<ul style="list-style-type: none"> <li>Truck traffic produces sporadic noise</li> <li>Blowers on cement tanks, mixer trucks, loaders, aggregate handling (Meridian Planning Consultants, 2012)</li> <li>Aggregate handling occurs from loader to conveyors within an enclosed building</li> </ul>	<ul style="list-style-type: none"> <li>Truck traffic produces sporadic noise</li> <li>Loaders, aggregate handling, plant vibrators (Meridian Planning Consultants, 2012)</li> <li>Aggregate handling occurs from loader to conveyors, then is tumble dried inside a large rotating steel drum</li> </ul>
<b>Smoke</b>	<ul style="list-style-type: none"> <li>None</li> </ul>	<ul style="list-style-type: none"> <li>Small plume of steam can contain some smoke due to risk of overheating additives such as polymers</li> </ul>
<b>Emissions</b>	<ul style="list-style-type: none"> <li>Fugitive dust – occur from vehicle activity on site, loading and transfer activities, aggregate stockpiles</li> <li>Process emissions – occur at discrete and definable locations during truck batching, cement and aggregate weighing and material handling</li> <li>State of the art dust capture system and daily watering ensure this nuisance stays on site (Meridian Planning Consultants, 2012)</li> </ul>	<ul style="list-style-type: none"> <li>Particulate matter is generated during the aggregate heating and drying process, not present in concrete production</li> <li>Drum dryer produces steam, carbon dioxide, nitrogen oxides, sulphur oxides, carbon monoxide, and small amount of organic compounds</li> <li>20 pounds per day of particulate matter through the stack</li> <li>10 pounds per day of volatile organic compounds (VOCs) (Meridian Planning Consultants, 2012)</li> </ul>
<b>Traffic</b>	<ul style="list-style-type: none"> <li>Lower volume of product produced equates to half the volume of traffic</li> </ul>	<ul style="list-style-type: none"> <li>Approximately twice the volume of truck traffic</li> </ul>
<b>Waste</b>	<ul style="list-style-type: none"> <li>Water and concrete waste (recyclable)</li> </ul>	<ul style="list-style-type: none"> <li>Off specification and waste asphalt (recyclable)</li> <li>Up to 14 tonne of waste asphalt every time the mix is changed</li> <li>Fine particulate matter</li> </ul>