

## BEST PRACTICE

<b>LOCATION:</b>		<b>ARTICLE YEAR:</b>	2010
<b>ACTIVITY:</b>	Production and Processing	<b>COMPANY:</b>	Aggregate Industries
<b>SUB ACTIVITY:</b>	Asphalt & coated stone	<b>COMPANY LOCATION:</b>	Bardon Asphalt (Midlands)
<b>BEST PRACTICE No:</b>	BP696	<b>COMPANY TEL:</b>	07802 276158

TITLE	Award Winner	On Video
Bitumen handling and storage - behavioural improvements		
ARTICLE		
DESCRIPTION	<p>Aggregate Industries set a target of zero incidents involving bitumen handling. To help achieve this, a bitumen working group (BWG) involving personnel from the asphalt business, HSEQ, engineering, training and personnel was formed.</p> <p>The group identified that:</p> <ol style="list-style-type: none"><li>1. There was an inconsistent approach to the calculation of bitumen storage capacity. These inconsistencies included the calculation of a tank™'s theoretical design capacity, safe working capacity, usable capacity (ullage), and whether the calculation was made using weight or volume</li><li>2. The periodic ,Authority to Discharge™ (ADT) reports from the bitumen suppliers were highlighting unacceptable levels of incidents involving alarm activations</li><li>3. Bitumen related incidents were leading to employee injuries.</li></ol> <p>The group also recognised that changing the behaviour of employees involved in asphalt production would be key to achieving the goal of zero incidents.</p> <p>The following initiatives involving both management and operatives were put in place:</p> <p>Bitumen Discharge Permit</p> <p>A Bitumen Discharge Permit (BDP) was formulated and trialled at a number of asphalt plants. The Refined Bitumen Association (RBA) was consulted since it was considered important to have co-operation from both the bitumen suppliers™ delivery drivers and contract transport drivers.</p> <p>Completion of the BDP ensures that plant operatives overseeing the discharge process are:</p> <ul style="list-style-type: none"><li>Physically establishing and recording current tank content</li><li>Recording tank and flange numbers to avoid confusion</li><li>Checking tank gauge and alarm functionality</li></ul>	
ARTICLE IMAGES		