Asphalt Plant Safety: The Basics

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LANE

Company Overview
Why Lane?

For 125 years, we have been delivering quality products and services - making us the preferred partner for transportation and heavy civil construction projects. We take pride in building long-term relationships with our customers, partners, subcontractors and suppliers that are based on trust and integrity.
Quick Facts

- Founded in 1890
- Owned by global construction leader, Salini Impregilo
- 4,900+ employees
- Self-perform most work
- One of the largest asphalt producers in the United States

- Occoquan Plant; Occoquan, Virginia
<table>
<thead>
<tr>
<th>Rank</th>
<th>Category</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Top Highway Contractor</td>
</tr>
<tr>
<td>41</td>
<td>Top 400 Contractor</td>
</tr>
<tr>
<td>9</td>
<td>Top 20 Transportation Contractor</td>
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<tr>
<td>42</td>
<td>Top 100 Design-Build Contractor</td>
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<tr>
<td>34</td>
<td>Top 100 by New Contracts</td>
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<tr>
<td>9</td>
<td>Top 50 Domestic Heavy Contractor</td>
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<tr>
<td>5</td>
<td>Top 5 Co-Generation Contractor</td>
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<tr>
<td>161</td>
<td>Top 250 Global Contractor</td>
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<tr>
<td>246</td>
<td>Top 250 International Contractor</td>
</tr>
<tr>
<td>36</td>
<td>Top 50 Contractor Working Abroad</td>
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About Salini Impregilo

- Salini Impregilo (Salini) is a global construction leader specializing in hydro and dams, railways, metro systems, roads & motorways.
  - They have been active for more than 100 years and operate in more than 50 countries, across five continents, with more than 30,000 employees.
  - Salini is headquartered in Italy and is listed on the Milan Stock Exchange
- As the top highway contractor and a top asphalt producer in the United States, Lane will help Salini expand in the large and attractive U.S. infrastructure market by giving it access to a much larger pool of projects.
- Significant commercial synergies are expected by combining Lane’s strong local platform with Salini’s technical capabilities and greater financial resources.
Salini Impregilo and Lane Presence in the U.S.

Source: Salini Impregilo Analysis
When Safety Is Not A “Value”
Plant Safety – The Basics

- Who is at your asphalt plant?
- Power Sources
- Struck-by
- Caught Between
- Confined Spaces
- Falls
- Maintenance
- Employee Health
- Housekeeping
- Behavior
Who is at your Plant?

- Delivery of AC
- Delivery of aggregate
- Delivery of RAP
- FOB purchase
- Company purchase
- Plant employees
- Technicians
- Inspectors
- Delivery/Vendors
- Purchase
- Management/Visitors
- Sales People
Power Sources

Group Activity/Discussion
FIRST AID FOR MOLten ASPHALT CEMENT BURNS

In the event of a MOLten ASPHALT CEMENT BURN:

COOL the asphalt cement and affected parts of the body immediately.

Methods of cooling (in order of preference):
1. Completely submerge affected area in ice water;
2. Completely submerge affected area in tap water;
3. Place affected area under running water.

DO NOT DELAY

Use any available water, cooler than body temperature, while arranging for better cooling.

CAUTION: DO NOT apply ice directly to affected area.

LEAVE cooled asphalt cement on affected area.

Proceed with the following:

MINOR ASPHALT CEMENT BURNS—at first opportunity get victim to physician.
Includes:
Injury to small areas of fairly insensitive flesh involving a small quantity of asphalt cement.

SERIOUS ASPHALT CEMENT BURNS—as soon as possible get victim to:
Hospital
Clinic
Physician’s Office

Includes:
Injury to the head, face, or extremities;
Injury when large amounts of asphalt cement are involved; Evidence of nausea or faintness.

TREATMENT FOR SHOCK
In the event shock occurs, do the following:
1. Keep victim lying down and quiet.
2. Keep victim covered with a blanket or something similar to keep body temperature at normal, 98° F (37° C).
3. Keep victim’s head lower than feet to promote blood supply to head and chest.

DO NOT ATTEMPT TO REMOVE THE ASPHALT CEMENT
with products containing solvents or ammonia.
Natural separation will occur in about 48-72 hours.
If necessary, for easy removal, soak bandage in mineral oil and place over affected area for 2 to 3 hours.
Operational Hazards - Struck By

*Group Activity/Discussion*
Operational Hazards-Caught Between

*Group Activity/Discussion*
Operational Hazards-Confined Space

Group Activity/Discussion
Operational Hazards-Falls

*Group Activity/Discussion*
Maintenance Hazards

Group Activity/Discussion
Employee Health

Group Activity/Discussion
Housekeeping

Group Activity/Discussion
Safety Assessment

- Figure out your hazards
- Do a safety walk thru
- Look from different perspectives
Emergency Services

- Crisis Plan
- EMS
- Fire
- Police
- Drills

Rescue Drills; Alexandria Plant; Alexandria, Virginia
Engaging employees

- Keeping them involved
- Listen to ideas
- Share best practices
- Make them a part of the program
Safety “Values”

“Going home safely everyday to the worker’s family has to be a real, true value”

“It is not just fatalities that impact families” (Exercise)
What matters most to employees?

- Think of those you love (3)
- Live and work another day
- Provide for those who depend on them
- Career path - Future
- Enjoyable, stable, and safe work environment where they are respected.
- “I look out for the company because the company looks out for me.”
How do we preserve a company’s greatest “Value?”

Remember................

▪ “What We Allow, We Teach!”
▪ We Must “Walk The Talk”
▪ As Construction Leaders, “We Owe It To Our Folks” To Promote Safety
Thanks for your Participation

Please complete the evaluation to provide your feedback on this session and suggest topics for future events.

Remember to mark these upcoming events on your calendar!

March 7-11, 2017
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www.ifpe.com