

	WORK INSTRUCTION: Bitumen Handling.		DOC # SHEQ-AR-001
			REV: 12
	Page 1 of 3		

Method Statement: Bitumen Handling

1. Introduction

This method statement provides guidelines for the safe and efficient handling of bitumen in accordance with relevant health and safety regulations and best practices. It is intended for use by all personnel involved in bitumen operations.

2. Scope of Work

The scope of this method statement includes:

- Transportation of bitumen to the site
- Storage of bitumen
- Heating and application of bitumen
- Disposal of bitumen waste

3. References

- Health and Safety at Work Act
- COSHH Regulations (Control of Substances Hazardous to Health)
- Manufacturer's Safety Data Sheets (SDS) for Bitumen
- Site-specific Health and Safety Plan

4. Responsibilities

- **Site Manager:** Overall responsibility for site safety and compliance with the method statement.
- **Health and Safety Officer:** Ensure that all safety measures are in place and personnel are trained.
- **Operators:** Responsible for safe handling, heating, and application of bitumen.
- **Transport Personnel:** Ensure safe transportation of bitumen to the site.

5. Personal Protective Equipment (PPE)

All personnel involved in bitumen handling must wear the following PPE:

- Hard hats
- Safety goggles
- Heat-resistant gloves
- Long-sleeved clothing
- Safety boots
- Respiratory protection (as necessary)

	WORK INSTRUCTION: Bitumen Handling.	DOC # SHEQ-AR-001	
		REV:	12
		Page 2 of 3	

6. Materials and Equipment

- Bitumen (specify type and grade)
- Heating equipment (e.g., direct-fired heaters, electric heaters)
- Transport vehicles (insulated tankers)
- Pumping equipment
- Spill kits
- Fire extinguishers

7. Procedures

7.1 Transportation

1. Ensure transport vehicles are suitable for carrying bitumen.
2. Conduct pre-transport checks to verify the integrity of the vehicle and equipment.
3. Follow the designated route to minimize delays and avoid hazards.
4. Maintain communication with the site regarding estimated arrival times.

7.2 Storage

1. Store bitumen in designated, clearly marked storage tanks.
2. Ensure tanks are fitted with temperature monitoring devices.
3. Maintain a minimum distance from flammable materials.
4. Implement spill containment measures (e.g., bunding).

7.3 Heating

1. Use approved heating equipment to heat bitumen to the required temperature (typically between 160°C and 180°C).
2. Monitor temperatures continuously and adjust heating as necessary.
3. Ensure all heating equipment is maintained and inspected regularly.
4. Do not leave heating equipment unattended.

7.4 Application

1. Before application, ensure that the surface is clean and free from debris.
2. Use appropriate application equipment (e.g., spray or pour).
3. Follow specific manufacturer guidelines for application methods.
4. Monitor environmental conditions (e.g., temperature, humidity) to ensure optimal conditions for application.

8. Emergency Procedures

	WORK INSTRUCTION: Bitumen Handling.		DOC # SHEQ-AR-001
			REV: 12
	<i>Page 3 of 3</i>		

1. In case of a spill, immediately notify the site supervisor and follow the spill response plan.
2. Evacuate personnel from the affected area and implement containment measures.
3. Use appropriate PPE when dealing with spills.
4. Report incidents to the Health and Safety Officer for further investigation.

9. Training

All personnel involved in bitumen handling must undergo training on:

- Safe handling and application of bitumen
- Use of PPE
- Emergency response procedures
- Environmental considerations

10. Monitoring and Review

- Conduct regular inspections to ensure compliance with this method statement.
- Review the method statement periodically and update as necessary to reflect changes in procedures or regulations.
-

Prepared By: Griffith Snyders (Safety Officer)

Approved by: Soso Adams (Site Agent)