

## OP08 – Asphalt Production

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### What is this?

The purpose of this document is to prepare procedures covering the control of an asphalt process area.

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### What does the responsible manager need to do?

The responsible manager must ensure that:

- All parts of the asphalt processing plant are suitably inspected and maintained as per Regulation 12(1)(a)(iii) Quarries Regulations 1999
- All measuring and monitoring equipment is calibrated according to manufacturers' recommendations and company policy
- The site is compliant with all conditions within the planning consent
- Incoming deliveries of materials take place within permitted hours and use the correct route
- Site hazard plan is on display
- Trucks leaving site are not overloaded
- All trucks are sheeted in compliance with the site permit
- All external and internal personnel are aware of plant operating hours
- Imports of non-indigenous aggregate are within consent limits (if applicable)
- Daily inspections are undertaken by a competent person
- Plant area is clean and tidy (good housekeeping)
- All operators are adequately trained and either hold, or are working towards, an NVQ level 2 in plant operation to demonstrate competence
- Bitumen tanks are provided with overheat and overfill warning (as per recommendations of RBA)
- Fuel tanks comply with Environment Agency regulations
- Fuel level/overfill protection is serviceable
- Correct grades/source of fuel and bitumen are delivered to site
- Bitumen spills are cleaned immediately and the waste bitumen is disposed of according to supplier recommendations
- Independent stack monitoring is undertaken by a competent organisation and must be in line with the site permit conditions
- Regular environmental incident drills are undertaken and the results are recorded
- Environmental incidents and complaints are recorded



- The site is compliant with permit conditions
- Site admixtures are stored in the appropriate containers/areas
- Site emergency procedures are clearly displayed and understood by the workforce
- Correct signage is in place to warn the workforce and visitors of any danger
- Minimise light pollution by the use of appropriate lighting/downlighting and timers during the night
- HV transformers are within the scheme of maintenance and inspection with particular regard to oil leaks/oil changes
- Wheel wash facilities are serviceable
- Wherever possible store aggregates under cover and away from moisture
- Surface run off from site complies with the discharge consent limits.

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### What does the employee need to do?

All employees must ensure that:

- Any operational defect with the asphalt plant is reported immediately to the relevant supervisor after the plant has been shut down and isolated
- All rules and procedures are understood
- Daily inspection sheet is completed by the operator
- Material delivery points are clear and relevant signage is in place
- Bitumen delivery pipes are locked (key in control of plant operator)
- Check silo filter bags for blinding/moisture/damage on a weekly basis
- Report spillages to a superior (good housekeeping)
- Record relevant information from the monitoring devices
- Inspect stack plume throughout the day
- Collate imported material goods received notes
- All doors and inspection hatches are secure
- Minimise 'cleanouts' and reuse all materials
- Material mix temperatures and bitumen storage temperatures are towards the lower end of the 'standards' range
- Maximise the use of RAP where appropriate
- Shutdown redundant items of plant when required
- Basic maintenance is undertaken
- Control room is kept clean and tidy
- Control room air conditioning/filtration is kept serviceable.



## Associated documentation

### EMS Section

- Operational Control

### Forms

- EF03 – Internal Communication
- EF14a – Daily Static Plant Inspection Checklist
- EF14b – Daily Mobile Plant Inspection Checklist
- EF15 – Incident Investigation

