
A-19: Concrete and Asphalt Production and Recycling

The following best management practices (BMPs) apply to permanent production sites as well as batch plants.

Mobile concrete pouring and asphalt applications are covered under activity sheet A-20: Concrete and Asphalt Application.

This does not cover concrete production at mining or sand and gravel sites covered by a King County Clearing and Grading Permit or National Pollutant Discharge Elimination System (NPDES) Sand and Gravel Permit issued by the Washington State Department of Ecology.

Potential pollutants can include but are not limited to hydrocarbons, metals, oil and grease, pH, sediment, and other pollutants.

BMPs are required by King County Water Quality Code (KCC 9.12). If the BMPs included here are not enough to prevent contamination of stormwater, you will be required to take additional measures.

Required BMPs

- Discharge all process water generated from production, pouring, crushing and equipment cleaning activities to a sump, process water recycling system, or sanitary sewer system. Never wash contaminated water to the stormwater drainage system. Discharge to the sanitary sewer system requires approval from the local sewer district/agency.
- Contain the production and pouring area to prevent pollutants from being washed to the stormwater drainage system.

Required Routine Maintenance

- Vacuum paved areas as necessary to prevent dust and particle mobilization. Collect loose chunks of aggregate and raw material particles for recycling or proper disposal. Do not hose down the area to the stormwater drainage system.
- Dust suppression water may not be discharged to the stormwater drainage system.

Supplemental BMPs

- A catch basin insert may be necessary. Catch basin inserts require frequent maintenance to be effective.
- Pave the mixing, production, and/or pouring area(s) with a slope that drains to a central collection area.
- Stormwater coming into contact with concrete crushing operations must be collected and discharged to an approved discharge location.

- When pH levels in stormwater rise above 8.5, the pH must be adjusted to the acceptable range of 6.5 to 8.5. Refer to the *King County Surface Water Design Manual*, Appendix D for information on pH adjustment.

Additional Information

- *Stormwater Pollution Prevention Manual*, Chapter 3: Commercial and Multifamily BMPs
 - [A-11: Cleaning or Washing of Tools and Equipment](#)
 - [A-20: Concrete and Asphalt Application](#)
 - [A-31: Parking Lots, Driveways and Outside Storage Areas](#)
- *Stormwater Pollution Prevention Manual*, Chapter 5: Information Sheets
 - [Catch Basin Inserts](#)
 - [Containment](#)
 - [Disposal](#)

For more information or assistance contact the King County Stormwater Services at 206-477-4811 and visit kingcounty.gov/stormwater.