

Protected Concrete Delivery



'Do it right on site' is a project to help the construction industry protect the environment and achieve the many benefits that come from doing so.

Protected Concrete Delivery

What is it?

This refers to receiving concrete deliveries in a manner that does not pollute the stormwater system.

In the past the usual way of delivering concrete was for the truck to park either in the site access point or next to the site and pump the concrete to the required area. Any spills would land on the road. The chute of the concrete truck would often be washed down, resulting in all of this waste concrete slurry entering the drains and our rivers.

Why is it important?

Concrete that enters the stormwater system causes several problems.

It hardens in the pipes, reducing their diameter. This increases the risk of flooding to the surrounding neighbourhoods.

It also affects the pH of the water, making it toxic to many plants and animals. This kind of pollution results in major fish kills.

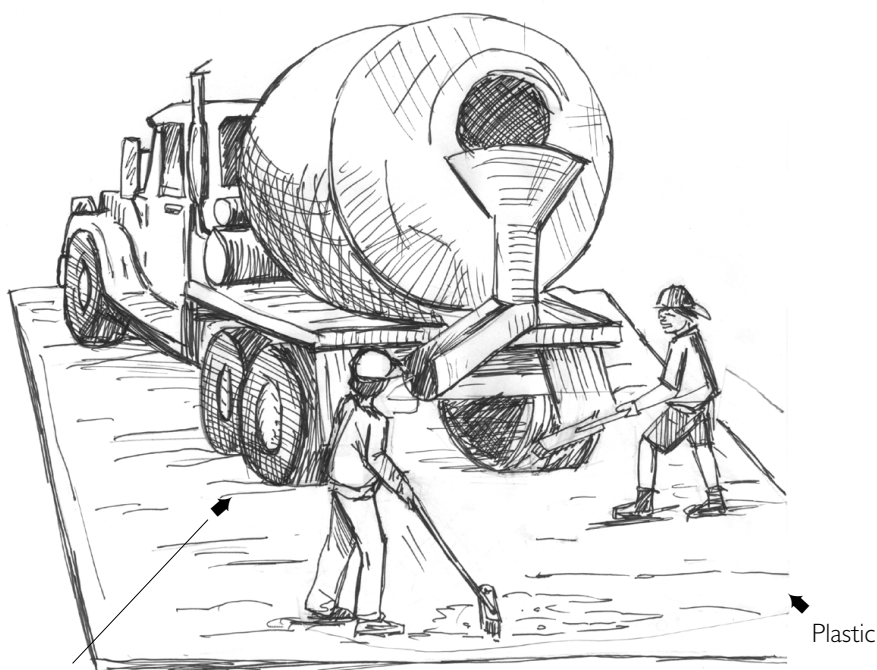
What do I need to do?

Before building commences:

Plan to have concrete deliveries made entirely on the site where spillage can be cleaned up without risk of it entering the stormwater system. If this is not possible you will need to place controls around and under the concrete truck to catch any spills. Document the delivery area on your Soil and Water Management Plan. Purchase these controls and ensure staff are aware of the need to use them. When selecting a concrete supplier ask them if they comply with the Australian Premixed Concrete Association guidelines for safe concrete delivery.

Installing the controls:

1. Before pumping begins, place plastic under the concrete pump and temporary bunds across all downslope gutters to trap any spillage. Sweep up all spillage before removing the bunds. Do not wash it away.
2. Ideally vehicles and equipment should be washed down within a designated bunded area within the site where the washwater can soak in to the ground or at a washdown depot. If more washwater occurs than can soak into the ground, it can be stored, settled and/or filtered by techniques that render waters clear for safe discharge to council drains ie: 50mg/l Total Suspended Solids which means clear water with no visible turbidity (cloudiness). pH correction may be required. Contact suppliers for help with meeting EPA requirements.



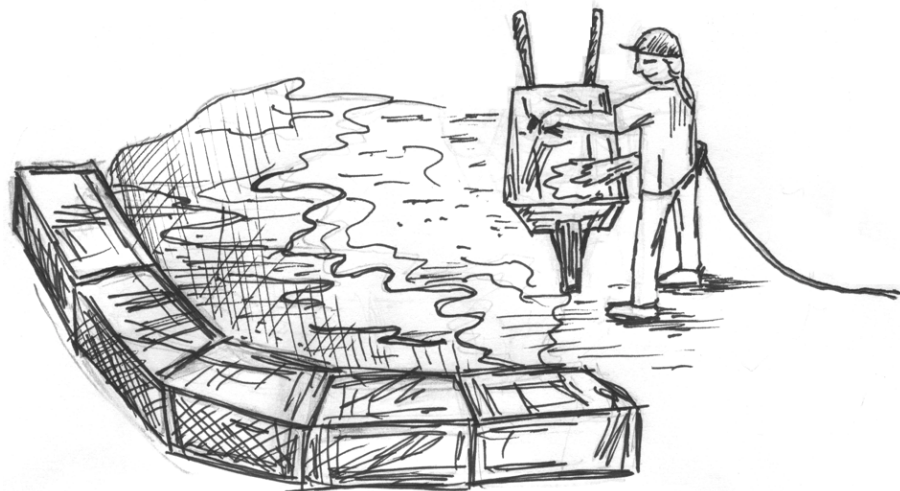
Scrape down wheels/tyres

Ensure tyres are clean before leaving construction site

Collect and remove all spillage
Sweep up residues

Plastic

Wash down chutes and barrels in proper wash area on site or at a washdown depot. If not applicable, collect wash water in a wheelbarrow and transport on site to wash area



Letting any materials enter the stormwater system may result in fines

Remember:

Everyone has a responsibility to protect the environment. The site supervisor is required to make sure that all workers, including sub-contractors are doing the right thing and all workers are required to notify their supervisors and Council if they see pollution occurring.

It is illegal for any substance other than rainwater to enter the stormwater system. If you do have an accident and pollution occurs you are required by law to notify the Council so that they can work with you to minimise any harm to the environment.

Penalties for polluting the stormwater system range from \$750 on the spot fines to \$1 million and seven years in gaol. Both companies and individuals can be fined.

Council Officers and the EPA enforce the environmental legislation and do routine inspections of building sites. They can issue notices to make companies clean up sites, change the way they are managing the sites and if necessary, cease work. They will attempt to work with you but penalties will be issued if a satisfactory environmental outcome is not achieved.

List of fact sheets available from Council:

1. Diversion of Upslope Water
2. Dust Control
3. Early installation of Roof Drainage
4. Excavation Pump Out
5. Protected Concrete, Brick and Tile Cutting
- 6. Protected Concrete Delivery**
7. Protected Service Trenches
8. Protected Stockpiles
9. Protected Wash Areas
10. Protected Waste Management and Chemical Storage
11. Protecting Vegetation
12. Protection of Gutter and Street Stormwater Drains
13. Protection of Site Stormwater Pits
14. Sediment Controls
15. Soil and Water Management Plans
16. Stabilised Site Access

For further information on preventing pollution from building and construction sites contact your local council:

'Do it right on site' is funded by the Natural Heritage Trust and the Southern Sydney Regional Organisation of Councils – Bankstown, Botany Bay, Canterbury, Hurstville, Kogarah, Marrickville, Randwick, Rockdale, South Sydney, Sutherland Shire, Waverley and Woollahra.

THE DRAIN IS JUST FOR RAIN



Southern Sydney Regional Organisation of Councils