

Name _____

STORMWATER POLLUTION PREVENTION FOR MS4s Dept. _____ Date _____

The following questions all have multiple choice answers and are related to Basic BMPs Training (questions 1-26) and Specialty BMPs Training (questions 27-40). Circle the best answer for each question. Your trainer will direct you as to which questions you should complete. Trainees that have been trained on all BMPs may be asked to complete the entire quiz.

BASIC BMPs

1. If weatherproof containers of liquids are stored outdoors, they should always be stored...
 - a. under a tarp or cover.
 - b. inside of secondary containment.
 - c. near a storm drain inlet.
 - d. as far as possible from any buildings or structures.
2. When transferring or pouring any liquid outdoors, you should...
 - a. wear a respirator.
 - b. use the largest sized container available.
 - c. use a drip pan or bucket to catch drips.
 - d. remove the labels from any containers before starting the transfer.
3. Which of the following statements is **not** true about outdoor use of containers?
 - a. Keep lids and tops closed unless using the container.
 - b. Make sure all containers are clearly labeled.
 - c. Put portable containers away (preferably indoors) after use.
 - d. Empty residues from containers into the nearest storm drain.
4. When you finish working in a specific location outdoors for the day, you should always...
 - a. sweep or clean up any wastes or scraps.
 - b. put on the proper personal protective equipment for that work.
 - c. dispose of any wastes or scrap in the nearest open space.
 - d. hose down any wastes or excess materials.
5. If you find rainwater accumulated inside of secondary containment for bulk storage tanks, it may only be drained if...
 - a. there is less than 50 gallons of rainwater.
 - b. it is not raining.
 - c. the drain valve discharges into a stream or river.
 - d. the rainwater is clean and uncontaminated.
6. If you discover an uncontrolled spill of hazardous materials, who should be notified immediately?
 - a. Dept. of Public Works
 - b. Dept. of Health
 - c. Hazardous Materials Response Team (Fire Dept.)
 - d. EPA
7. If you plan to clean up a controlled spill of non-hazardous material, which of the following procedures would **not** be correct?
 - a. Locate the nearest spill response locker or kit.
 - b. Put on the proper personal protective equipment.
 - c. Place a barrier or cover to protect any nearby storm drain inlets.
 - d. Hose the spill down to dilute it.
8. Hosing down a spill or release outdoors, is OK under what circumstances?
 - a. never
 - b. when it is already raining
 - c. when the spilled material is water soluble
 - d. when the spilled material is not water soluble
9. Why is it important to clean up a leak, spill or release quickly?
 - a. It is easier than waiting for several spills to occur in the same area.
 - b. The spill response supplies may not be available later.
 - c. It prevents the spread of the spill by wind, rain and traffic.

10. If you drip or leak a small amount of diesel fuel during vehicle fueling, you should...
 - a. 'spot clean' it immediately.
 - b. dispose of any clean-up wastes in the appropriate waste receptacle.
 - c. spread absorbent or treatment chemicals over and around the spill.
 - d. all of the above.
11. When positioning your vehicle for fueling, you should...
 - a. get as far away from the fuel pump as the hose will reach.
 - b. activate the emergency shut-off switch before starting to pump.
 - c. get as close to the pump as you can.
 - d. leave the engine running while fueling.
12. While fueling a vehicle, which of the following are correct procedures?
 - a. Stay with the equipment during the entire fueling process.
 - b. Handle the fuel nozzle in a vertical position.
 - c. Do not 'top off' the tank after the pump stops.
 - d. All of the above.
13. Which is the best place for vehicle and equipment maintenance?
 - a. indoors or under a roof
 - b. outdoors
 - c. under a tarp
 - d. near a water hose
14. If a vehicle must be worked on outdoors, what is the first thing to do?
 - a. Drain all fluids onto the pavement.
 - b. Bring all available tools and supplies out to the vehicle.
 - c. Park the vehicle near a storm drain inlet.
 - d. Place drip pans or buckets under any connections that are leaking.
15. If a drip pan or bucket is placed under a leaking vehicle, what must be done regularly?
 - a. Check it periodically and empty it into the proper waste or recycling container.
 - b. Empty it onto the ground when it is close to overflowing.
 - c. Move it away from the leak if it is close to overflowing.
 - d. Remove it if it starts to rain.
16. If a small drip or spill occurs while working on a piece of equipment outdoors, you should...
 - a. spread some absorbent on it and leave it alone.
 - b. ignore it.
 - c. 'spot clean' it immediately.
 - d. hose it down.
17. Vehicles should only be washed with detergents...
 - a. in the designated wash rack or wash bay.
 - b. in the wash rack/bay or in the maintenance area.
 - c. outdoors.
 - d. over a storm drain or near a drainage ditch.
18. If you have a cleaner or detergent that works better than the one supplied in the designated wash rack, it is OK to bring it in under what conditions?
 - a. if your cleaner is compatible with the cleaner supplied at the rack
 - b. if your vehicle has tar or grease on its exterior
 - c. if the vehicle operator OK's it
 - d. never
19. It is OK to top up engine fluids in the designated wash area if...
 - a. you only top up coolant.
 - b. you add less than 1 quart of fluid.
 - c. the vehicle is being taken out of service after the wash.
 - d. never
20. Where is the best location to store materials?
 - a. outdoors
 - b. indoors or under a roof
 - c. a refrigerated room
 - d. close to delivery door

21. If materials must be stored outdoors, the containers should be...
 - a. made of plastic.
 - b. at least 1/8" thick.
 - c. not stacked on top of one another.
 - d. closed, leak-tight and weatherproof.
22. How should materials in non-weatherproof containers be stored outdoors?
 - a. as far as possible from heavy traffic
 - b. with enough room between containers to allow inspection and easy movement
 - c. fitted with weatherproof coverings
 - d. all of the above
23. If a tarp or waterproof cover is used to protect materials stored outdoors, which of the following procedures are **incorrect**?
 - a. Secure the tarp to avoid loosening by the wind.
 - b. Check it regularly for loosening or tearing.
 - c. If you find problems on 2 inspections, find another storage method.
 - d. Remove the tarp or cover if rain is not expected in the next few days.
24. Lids or covers on waste receptacles outdoors should always be...
 - a. made of steel.
 - b. on the side of the container rather than on top.
 - c. kept closed unless adding or removing material.
 - d. left open.
25. It is OK to dispose of waste in a storm drainage system if...
 - a. it is never OK.
 - b. the waste is a floatable.
 - c. less than 1 pound is disposed.
 - d. it is not raining.
26. Which of the following wastes are OK to dispose along with standard facility trash like waste paper, plastic and food scraps?
 - a. hazardous wastes
 - b. liquids
 - c. used oil
 - d. scrap aluminum
 - e. none of the above

SPECIALTY BMPs

MUNICIPAL FACILITY MAINTENANCE

27. When painting outdoors, which of the following steps should be taken?
 - a. Spread a drop cloth or tarp under the work.
 - b. Mix and thin paints on a paved surface like a parking lot.
 - c. Clean tools and equipment over a grassy area.
 - d. Dispose of scraps and empty containers down the nearest storm drain.
28. What should be done with a drop cloth or tarp after the work is finished?
 - a. Nothing
 - b. Shake it off over a grassy area.
 - c. Shake it off over a storm drain.
 - d. Shake it off inside of a waste receptacle.

PARKING LOTS & STREETS

29. Where is the proper place to dispose of street sweeping debris?
 - a. in a secure landfill or disposal site
 - b. in a drainage ditch
 - c. near a stream or river
 - d. in a lake or other surface water body
30. When performing wet concrete sawing, which of the following measures are useful in protecting stormwater?
 - a. Add disinfectant to the saw cooling water.
 - b. Use a wet vac to collect the excess cooling water.
 - c. Hose down the area when work is completed.
 - d. All of the above.

31. If an oil stained area of a parking lot must be wet swept/scrubbed and there are storm drain inlets in or around the lot, you should first...
- remove all waste receptacles.
 - place secondary containment around the wet sweeper.
 - use as much soap or detergent in the wash waste as possible.
 - place a barrier or absorbent around the drain inlets.

STORM DRAIN SYSTEM CLEANING

32. At what percentage of a catch basin's capacity does accumulated debris begin to interfere with basin's effectiveness?
- 10%
 - 40%
 - 50%
 - 80%
33. How should excess water from collected storm drainage debris be handled?
- Discharge it back into the storm drainage system.
 - Discharge it into a drainage ditch.
 - Pump it into a lake or stream.
 - Discharge it into a sanitary sewer or holding pond.

LANDSCAPING & GROUNDS MAINTENANCE

34. What is the best way to handle grass clippings?
- compost them
 - dump in a drainage ditch
 - dump into a stream
 - spread them back on the areas from where they were cut
35. What can be said about the application of fertilizers?
- The more fertilizer used, the better.
 - Read and follow the manufacturer's application instructions exactly.
 - If, while spreading, some fertilizer winds up on a paved area, hose it down.
 - All of the above.
36. At a minimum, how often should applicator equipment be calibrated?
- weekly
 - monthly
 - annually
 - no regular calibration is needed
37. Where can you usually obtain information about the correct use of landscaping chemicals?
- the EPA
 - Dept. of Public Works
 - product advertisements
 - container label
38. Landscape chemicals can be applied in which of the following conditions?
- during a rain storm
 - during high winds
 - on or near surface waters
 - none of the above

WORKING OVER OR NEAR SURFACE WATERS

39. If a life preserver ring that normally hangs on a dock, needs to be stenciled, you should...
- use water-based paint.
 - put a tarp down on the dock and then stencil the ring.
 - hold the paint sprayer as close as possible to the life ring while spraying.
 - take the life ring onshore and stencil it there.
40. When doing painting on a bridge over water, what precautions should be taken?
- Use secondary containment for the paint containers.
 - Sling a tarp or canvas under the bridge.
 - Use the most environmentally friendly paints and thinners available.
 - All of the above.