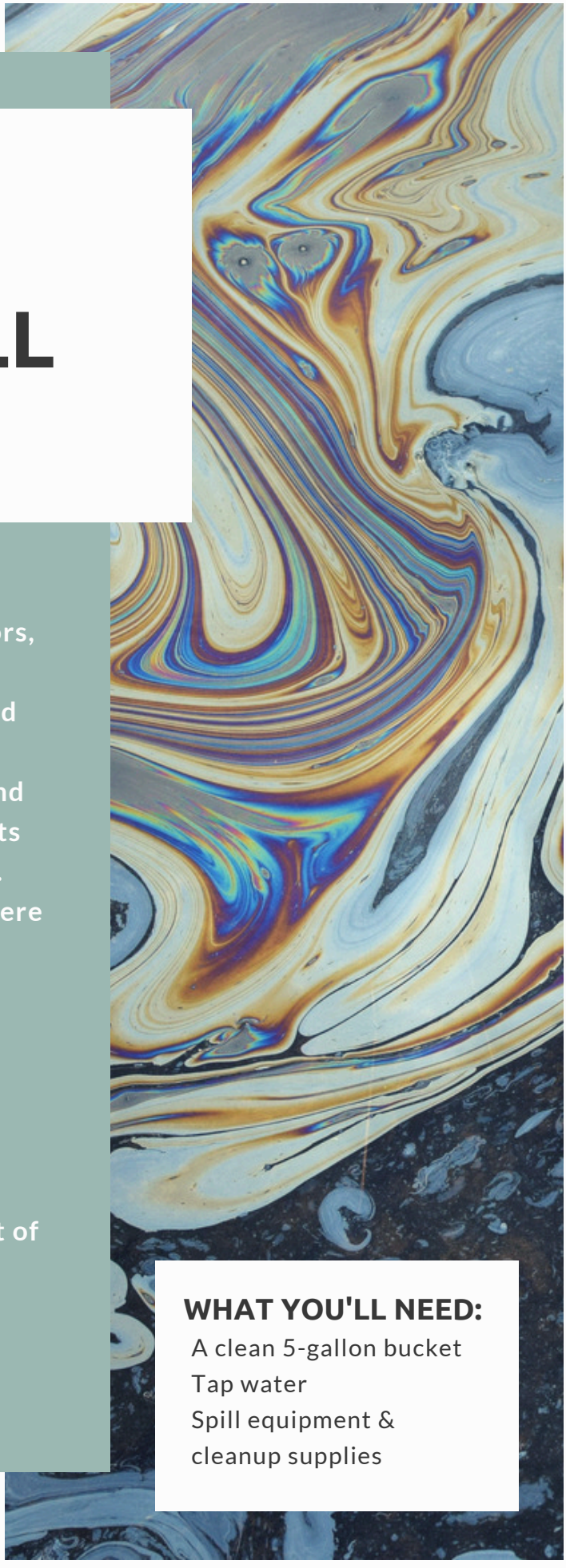
WGR SOUTHWEST, INC.

KICK THE BUCKET DRILL

Helping your team learn how to quickly and effectively cleanup spills.



It is necessary and, in many cases, required to train employees, contractors, and other staff on how to respond to a spill. We have found a simple simulated spill to be far more effective in communicating how to properly respond to a spill than by having the participants just listen to a classroom presentation. We call it the Kick-the-Bucket Drill. Here is how this 20-minute drill works:

PREP:

- Fill a clean 5-gallon bucket with tap water.
- Identify a place to stage your drill. Ideally, to make the simulation more interesting, pick a location up-gradient of a drain inlet or where flow leaves your site. Make sure that the location you select is in a safe place away from vehicles or other hazards.

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WHAT YOU'LL NEED:

A clean 5-gallon bucket
Tap water
Spill equipment & cleanup supplies

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- Make sure you know the location of the spill equipment and cleanup supplies. Check to ascertain the condition and stock of supplies. Even if supplies are not adequately stocked or present, the demonstration will be meaningful if everyone else discovers that to be the case. It should lead to some meaningful conversations and, hopefully, decisions.
- Make sure that you have permission to use some of the spill supplies for the spill response simulation.

THE SETUP:

Gather everyone around the bucket. Kick the bucket over while they are watching. Explain the scenario to them while they watch the water flow towards the drain. Say something like: *"The pipefitters were hurrying out the gate to go to lunch and they were in such a hurry that they forgot about the 5-gallon bucket of cutting oil sitting on their tailgate. You walked out of the trailer and discovered this (point to spill)..."*

ASK THE GROUP:

What should you do first? Wait for responses. When someone says spill response supplies should be used ask them...

Where are the supplies located? Wait for a response. If they don't know, tell them where they can be found. Send 2-3 people to go get them. While they are gone looking for and gathering spill supplies, ask the group...

What did those who went to get the supplies not think of? Could vehicle or foot traffic move through this spill zone and make it worse? Instruct 1-2 people to stand in front of the spill zone and direct traffic around it. If traffic cones are available, have someone grab them and set them up.

When those who went to get the cleanup supplies return, ask the group... *continued*

Ask the group questions while you are learning how to respond to and cleanup spills.

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How should we clean up the spill? They should identify the following actions: 1) stop the flow, 2) isolate the spilled material to keep it from going down the drain inlet, 3) recover the spilled material, and 4) clean up the contaminated surfaces and storm water conveyances. You may need to help them walk through these steps. Ask the group...

How can we keep the material from going down the drain? Let them suggest ways. Then ask...

Did any of the spilled material leave the site or go into the drain inlet? It may be obvious. Try to have placed the bucket so that this is unavoidable. Ask the group...

Where does the drain inlet discharge? If they don't know, ask them how they can find out. Then ask...

Is it important to know where the drain inlet discharges? The answer is, obviously, "yes".

Tell the group that the spill has now been contained and for the most part cleaned up.

QUESTIONS:

What do we do about the spilled material that went into the drain inlet, and presumably, off site?

What do we do with the used absorbents and contaminated cleanup supplies?

If the spill was on soil, what do we do with the contaminated soil?

If the spill was on a paved surface, will a sheen or contaminates be present the next time storm water flows across the spill zone? What should be done to keep the sheen or contaminates from being washed off by the next storm event?

Who do we need to tell or report to about this spill? Talk through the notification requirements to CalOES, 911, the local CUPA hazardous materials oversight agency, the Regional Water Quality Control Board, and other agencies.

Be sure to talk about internal company-specific notification, documentation, and reporting requirements.