



## Water Pollution - Scenario Cards

### Person #1 - Point Source Pollution Scenario – Pesticide Backpack Sprayer Spill

**Instructions:** You are representing Point Source Pollution. Read the Action listed below silently to yourself. When the instructor tells you, perform the steps listed as Action. When the instructor tells you, read the Talking Points out loud.

**Action:** Stand near the Stream sign. After several seconds, move closer and stand directly by the Stream sign.

**Talking Points:** I am Point Source Pollution. Point Source Pollution is from a specific, identifiable place or location, such as a pesticide spill near a stream or storm drain.

### Person #2 - Point Source Pollution Scenario – Factory Waste from Pipe

**Instructions:** You are representing Point Source Pollution. Read the Action listed below silently to yourself. When the instructor tells you, perform the steps listed as Action. When the instructor tells you, read the Talking Points out loud.

**Action:** Stand near the Stream sign. After several seconds, walk over the Stream sign and move towards individuals serving as groundwater and towards the aquifer.

**Talking Points:** I am Point Source Pollution. Point source pollution, such as factory waste from a pipe, can begin in the surface water (stream), but contaminated surface streams can interact with shallow groundwater.

### Person #3 - Nonpoint Source Pollution Scenario – Fertilizer or Chemical Application

**Instructions:** You are representing Nonpoint Source Pollution. Read the Action listed below silently to yourself. When the instructor tells you, perform the steps listed as Action. When the instructor tells you, read the Talking Points out loud.

**Action:** Stand near the Plants sign. The teacher will say “It’s Raining” and the students acting as precipitation will come towards you. Several seconds after they reach the Plants sign, move towards the Aquifer. (You are representing groundwater contamination.)

**Talking Points:** I am Nonpoint Source Pollution. Nonpoint source pollution is from several areas with a less identifiable origin. I might have been excess fertilizer or chemicals that were then mobilized (moved) after a sudden rainfall.

### Person #4 - Nonpoint Source Pollution Scenario – Oil Residue on Road

**Instructions:** You are representing Nonpoint Source Pollution. Read the Action listed below silently to yourself. When the instructor tells you, perform the steps listed as Action. When the instructor tells you, read the Talking Points out loud.

**Action:** Stand near the Ground sign. The teacher will say “It’s Raining” and the students acting as precipitation will come towards you. Several seconds after they reach the Ground sign, move towards the Aquifer. (You are representing groundwater contamination.)

**Talking Points:** I am Nonpoint Source Pollution. Nonpoint source pollution is from several areas with a less identifiable origin. I might have been excess fertilizer or chemicals from a lawn, dog waste in the yard, or motor oil residue from a vehicle oil change.