# Group C Demonstration Agenda

## Scenario

Mining works have encroached further north and an aquifer which was previously assumed to be far enough away may now be potentially affected. Engineers have already been out and drilled bore holes.

## Task

Add new groundwater body to system and enact processes for monitoring the water quality.

## Action

### Environmental Officer (EO)

1. Log onto system.
2. Go to add water body screen and add new “ground” water body “Aquifer Alex”
3. Add exceedance limits for the water body.
   1. Use invalid values, bad numeric values, min>max, invalid ph [PH will work, see Test Plan for not of failure]
   2. Use valid values. Limits added successfully.
4. Add 2 new samplers.
   1. Add GW555.
      1. Enter invalid fields. Leave depth to screening frequency blank.
      2. Enter valid data, making sure contractor is assigned. Sampler added.
   2. Add GW777.
5. Search samplers for Aquifer Alex
6. We want to test EC and pH more frequently for GW555 so add new screening frequency to test these parameters weekly.
7. Start a screening program for this new Aquifer Alex.
8. Enter water body to see parameters available for screening.
   1. For each sampler, view screening frequencies and decide which parameters need to be checked. As this is the first time, we’ll select all parameters for both samplers.
9. Confirm screening program. Email sent to contractor(s).

### Contractor

1. Receive email from EO.
2. Add new laboratory because a new testing laboratory opened recently and you’ve heard good things so decide to use them.
   1. Miss out some fields.
   2. Enter valid values. Laboratory added.
3. Assign laboratory to samplers GW555 & GW777.
4. [Assume] Go out to aquifer and take water samples from both samplers. Take same pictures and videos while you’re there.
5. Upload media files for GW555.
6. Send sample of GW555 to laboratory. Send them an email.

### Laboratory

1. Receive email.
2. [Assume] Analyse water samples.
3. Upload GW555 results manually.
4. Bulk-upload GW777 results.

### Environmental Officer (EO)

1. View media files for sampler GW555.
2. View GW555 data.
3. View and print environmental audit report for Sampler GW002 pH.
4. View and print exceedance report for Sampler GW002.

### System Administrator

1. View System Utilisation report.

## Result

New water body brought online. Everything is functioning and correct.