LEVEL 1 ASSESSMENT

PURPOSE

• An evaluation to identify the possible presence of sanitary defects, defects in distribution system coliform monitoring practices, and (when possible) the likely reason that the public water system triggered the assessment.
WHAT IS A SANITARY DEFECT?

• A defect that could provide a pathway of entry for microbial contamination into the distribution system or that is indicative of a failure or imminent failure in a barrier that is already in place.
LEVEL 1 ASSESSMENT
REQUIRED DOCUMENTS

• Standard Operating Procedure (SOP) for Coliform Sample Collection.

• Disinfectant residual data
  • Must submit 30 days of residual data from distribution prior to, and including, the trigger date.
LEVEL 1 ASSESSMENT
COMPLETING THE FORM

• Read questions carefully.
• Answer all applicable questions.
• Provide a written description on the form if a question is answered that may indicate a problem or sanitary defect exists.
• Sign the form.
LEVEL 1 ASSESSMENT
SANITARY DEFECTS

• Submit documentation of corrected sanitary defects such as photographs, receipts, invoices, or work orders.

• Be prepared to provide written clarification to TCEQ staff when requested.
• It is not necessary to submit the system’s Sample Siting Plan (SSP) or Microbial Reporting Forms (MRF), unless requested by TCEQ staff.
REVISED TOTAL COLIFORM RULE
SAMPLE SITING PLAN (SSP)

• Required for all Public Water Systems.
• SSPs are subject to state review.
• If you have never submitted an SSP, or need to update your current document…
  • Submit one ASAP!
• Email your SSP to TCRdata@tceq.texas.gov
SAMPLE SITING PLAN
MINIMUM REQUIREMENTS

• SSPs must identify:
  • Routine coliform sample sites.
  • Repeat coliform sample sites.
  • A sample collection schedule.
  • All groundwater wells for compliance with the Groundwater Rule (GWR).
  • Distribution map.
SAMPLE SITING PLAN
TEMPLATE DOCUMENT

• SSP Template can be found on the TCEQ’s RTCR Program Website.

• SSP is available to save as a PDF fillable form.

• Can make revisions as necessary.
SAMPLE SITING PLAN

SAMPLING LOCATIONS

• List all Original Routine (OR) sample locations.

• Each Routine sample location, must list at least one upstream and one downstream Repeat sample location.

<table>
<thead>
<tr>
<th>Route and Repeat Monitoring Location Table</th>
</tr>
</thead>
<tbody>
<tr>
<td>RTCR Sample Siting Plan</td>
</tr>
<tr>
<td>Routine and Repeat Sampling Locations*</td>
</tr>
<tr>
<td>Original Routine (OR) Sample Site: 123 Example Road - Main Office</td>
</tr>
<tr>
<td>UPSite1: 125 Example Road</td>
</tr>
<tr>
<td>UPSite2: 127 Example Road</td>
</tr>
<tr>
<td>UPSite3:</td>
</tr>
<tr>
<td>UPSite4:</td>
</tr>
<tr>
<td>UPSite5:</td>
</tr>
<tr>
<td>Original Routine (OR) Sample Site: 987 Another Example Lane</td>
</tr>
<tr>
<td>UPSite1: 986 Another Example Road</td>
</tr>
<tr>
<td>UPSite2: 985 Another Example Road</td>
</tr>
<tr>
<td>UPSite3:</td>
</tr>
<tr>
<td>UPSite4:</td>
</tr>
<tr>
<td>UPSite5:</td>
</tr>
</tbody>
</table>
RTCR SAMPLE SITING PLAN DISTRIBUTION MAP

• Required Mapping Elements Include:
  • Original Routine (OR) coliform sample sites.
  • Distribution water mains and sizes.
  • Entry point source locations.
  • *Pressure plane boundaries.
  • *Water storage facilities.

*If the system has only one pressure plane or has no water storage facilities, indicate this on the map.
QUESTIONS?
CALL US!

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FINANCIAL, MANAGERIAL, & TECHNICAL (FMT) ASSISTANCE

If you operate a water system and would like to arrange for **free** financial, managerial, or technical assistance, contact the TCEQ FMT program team:

FMT@tceq.texas.gov

https://www.tceq.texas.gov/drinkingwater/fmt

(512) 239-4691