

## Texas Commission on Environmental Quality

### CHECKLIST WORKSHEET

#### IHW RCRA PERMITTED FACILITY CME CHECKLIST 9

**Regulating Entity Name**

**Date :**

**Additional I D:**

**Investigator Name:**

<b>Item Number</b>	<b>Description</b>	ANALYTICAL PROCEDURES FOR PERMITTED STATUS FACILITIES	
	<b>Answer</b>	<b>Citations</b>	<b>Notes</b>
<b>Item Number</b>	<b>Description</b>	SECTION A: REVIEW OF ANALYTICAL PROCEDURES	
	<b>Answer</b>	<b>Citations</b>	<b>Notes</b>
<b>Item Number 1</b>	<b>Description</b>	From the Sampling and Analysis Plan, include a tabulation of analytical methods used for Groundwater samples. Indicate directly on the Attachment which analyses are performed at: off-site contract laboratory (*); on-site operator laboratory (**); field measurement (***) (Attachment ).	
	<b>Answer</b>	<b>Citations</b>	<b>Notes</b>
<b>Item Number 2</b>	<b>Description</b>	Laboratory analysis procedures	
	<b>Answer</b>	<b>Citations</b>	335.163(4)(D) <b>Notes</b>
<b>Item Number 2A</b>	<b>Description</b>	Are all samples analyzed using an EPA-recommended method (SW-846 or other EPA recommended procedures)?	
	<b>Answer</b>	<b>Citations</b>	264.97(d) <b>Notes</b>
<b>Item Number 2B</b>	<b>Description</b>	Are appropriate QA/QC measures used in laboratory analysis (e.g., blanks, spikes, standards)?	
	<b>Answer</b>	<b>Citations</b>	335.163(4) <b>Notes</b>
<b>Item Number 2C</b>	<b>Description</b>	Are detection limits and percent recovery (if applicable) provided for each parameter?	
	<b>Answer</b>	<b>Citations</b>	<b>Notes</b>
<b>Item Number 2D</b>	<b>Description</b>	If a different analytical method or laboratory is used, are split samples run for comparison purposes?	
	<b>Answer</b>	<b>Citations</b>	<b>Notes</b>
<b>Item Number 2E</b>	<b>Description</b>	Describe any data inconsistencies and how the operator has tried to resolve them:	
	<b>Answer</b>	<b>Citations</b>	<b>Notes</b>
<b>Item Number 2F</b>	<b>Description</b>	Are samples analyzed within specified holding times?	
	<b>Answer</b>	<b>Citations</b>	335.163(4) <b>Notes</b>
<b>Item Number 2G</b>	<b>Description</b>	What is the sample analysis turn-around time (i.e., the time required to receive analytical results from the laboratory)?	
	<b>Answer</b>	<b>Citations</b>	<b>Notes</b>
<b>Item Number 2H</b>	<b>Description</b>	Example of analytical results and/or QA/QC results as reported by the laboratory to the operator (Attachment ).	
	<b>Answer</b>	<b>Citations</b>	<b>Notes</b>
<b>Item Number 3</b>	<b>Description</b>	Laboratory logbook	
	<b>Answer</b>	<b>Citations</b>	335.163(4) <b>Notes</b>
<b>Item Number 3A</b>	<b>Description</b>	Is a laboratory logbook maintained?	
	<b>Answer</b>	<b>Citations</b>	335.163(4) <b>Notes</b>
<b>Item Number 3B</b>	<b>Description</b>	Are experimental conditions (e.g., temperature, humidity, etc.) noted?	
	<b>Answer</b>	<b>Citations</b>	335.163(4) <b>Notes</b>
<b>Item Number 3C</b>	<b>Description</b>	If a sample for volatile analysis is received with headspace, is this noted?	
	<b>Answer</b>	<b>Citations</b>	264.97(d) <b>Notes</b>

# Texas Commission on Environmental Quality

## CHECKLIST WORKSHEET

### IHW RCRA PERMITTED FACILITY CME CHECKLIST 9 (Cont)

<b>Item Number</b> 3D	<b>Description</b> Are the results for all QC samples identified?	<b>Answer</b>	<b>Citations</b> 264.97(d)	<b>Notes</b>
<b>Item Number</b> 3E	<b>Description</b> Is the time, date, and name of person noted for each processing step?	<b>Answer</b>	<b>Citations</b> 264.97(d)	<b>Notes</b>
<b>Item Number</b> 3F	<b>Description</b> Is the date and time of each instrument's calibration noted?	<b>Answer</b>	<b>Citations</b> 335.163(4)	<b>Notes</b>
<b>Item Number</b> 3G	<b>Description</b> Are notations made on which standards are used and when they were mixed?	<b>Answer</b>	<b>Citations</b> 335.163(4)	<b>Notes</b>
<b>Item Number</b>	<b>Description</b> SECTION B: REVIEW OF QUALITY ASSURANCE/QUALITY CONTROL	<b>Answer</b>	<b>Citations</b>	<b>Notes</b>
<b>Item Number</b> 4	<b>Description</b> Does the QA/QC program include:	<b>Answer</b>	<b>Citations</b> 335.163(4)(B)	<b>Notes</b>
<b>Item Number</b> 4A	<b>Description</b> Documentation of any deviations from approved procedures?	<b>Answer</b>	<b>Citations</b> 335.163(4)	<b>Notes</b>
<b>Item Number</b> 4B	<b>Description</b> Collection and analysis of trip blanks, field blanks and equipment blanks?	<b>Answer</b>	<b>Citations</b> 264.97(d)	<b>Notes</b>
<b>Item Number</b> 4C	<b>Description</b> Documentation of analytical results for: i. Laboratory blanks? ii. Standards? iii. Duplicates? iv. Other (specify)	<b>Answer</b>	<b>Citations</b> 335.163(4)	<b>Notes</b>
<b>Item Number</b> 5	<b>Description</b> Are field QC samples compared with field sample results? (NOTE: If concentrations in blanks are greater by an order of magnitude than the field samples, then resampling is recommended.)	<b>Answer</b>	<b>Citations</b> 335.163(4)	<b>Notes</b>
<b>Item Number</b> 6	<b>Description</b> Does the operator critically examine the results to ensure that they have been properly calculated and reported?	<b>Answer</b>	<b>Citations</b> 264.97(d)	<b>Notes</b>
<b>Item Number</b> 7	<b>Description</b> Is the validity and reliability of the laboratory and field generated data ensured by a QA/QC program?	<b>Answer</b>	<b>Citations</b> 335.163(4)	<b>Notes</b>