

## Texas Commission on Environmental Quality

### CHECKLIST WORKSHEET

#### IHW INCINERATOR CHECKLIST

Regulating Entity Name \_\_\_\_\_

Date : \_\_\_\_\_

Additional I D: \_\_\_\_\_

Investigator Name: \_\_\_\_\_

<b>Item Number</b>	<b>Description</b>	PERMITTED INCINERATOR INFORMATION		
		<b>Answer</b>	<b>Citations</b>	<b>Notes</b>
<b>Item Number 1</b>	<b>Description</b>	Complete this checklist for permitted incinerators. Chapter 30 TAC 335.152(13) adopt all federal rules by reference. Permitted incinerators are subject to the requirements of Subpart O of 40 CFR Parts 264. Interim status incinerators were primarily in service prior to 1989 and since phased out [see 40 CFR 270.73(f)]. Incinerator means any enclosed device that:		
		<b>Answer</b>	<b>Citations</b>	<b>Notes</b>
<b>Item Number A</b>	<b>Description</b>	(1) Uses controlled flame combustion and neither meets the criteria for classification as a boiler, sludge dryer, or carbon regeneration unit, nor is listed as an industrial furnace;		
		<b>Answer</b>	<b>Citations</b>	<b>Notes</b>
<b>Item Number B</b>	<b>Description</b>	or (2) Meets the definition of an infrared incinerator or plasma arc incinerator.		
		<b>Answer</b>	<b>Citations</b>	<b>Notes</b>
<b>Item Number 2</b>	<b>Description</b>	Do air emission standards specified under Subpart BB apply? [264.1050(f); 265.1050(e)]		
		<b>Answer</b>	<b>Citations</b>	<b>Notes</b>
<b>Item Number A</b>	<b>Description</b>	If yes, complete the Subpart BB Checklist, as scheduled.		
		<b>Answer</b>	<b>Citations</b>	<b>Notes</b>
<b>Item Number 3</b>	<b>Description</b>	Do air emission standards specified under Subpart CC apply? [264.1082(c)(1); 265.1083(c)(1)]		
		<b>Answer</b>	<b>Citations</b>	<b>Notes</b>
<b>Item Number A</b>	<b>Description</b>	If yes, complete the Subpart CC Checklist, as scheduled.		
		<b>Answer</b>	<b>Citations</b>	<b>Notes</b>
<b>Item Number</b>	<b>Description</b>	SECTION A: OPERATING REQUIREMENTS		
		<b>Answer</b>	<b>Citations</b>	<b>Notes</b>
<b>Item Number 1</b>	<b>Description</b>	Is the incinerator being operated in accordance with operating requirements specified in the permit?		
		<b>Answer</b>	<b>Citations</b>	<b>Notes</b>
			264.345(a)	
<b>Item Number 2</b>	<b>Description</b>	Is all waste fed to the incinerator authorized by the permit and included in the facility's Notice of Registration?		
		<b>Answer</b>	<b>Citations</b>	<b>Notes</b>
			264.345(b)	
<b>Item Number 3</b>	<b>Description</b>	Does the permit specify operating limits for the following parameters?		
		<b>Answer</b>	<b>Citations</b>	<b>Notes</b>
<b>Item Number A</b>	<b>Description</b>	Is the owner or operator burning waste within the operating limits designated in the permit for maximum carbon monoxide in stack exhaust gas?		
		<b>Answer</b>	<b>Citations</b>	<b>Notes</b>
			335.152(a)(13)	
<b>Item Number B</b>	<b>Description</b>	Is the owner or operator burning waste within the operating limits for waste feed rate?		
		<b>Answer</b>	<b>Citations</b>	<b>Notes</b>
			264.345(b)(2)	
<b>Item Number C</b>	<b>Description</b>	Is the owner or operator burning waste within the operating limits for combustion temperature?		
		<b>Answer</b>	<b>Citations</b>	<b>Notes</b>
			264.345(b)(3)	

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### IHW INCINERATOR CHECKLIST (Cont)

<b>Item Number</b> D	<b>Description</b>	Is the owner or operator burning waste within the operating limits for the appropriate indicator of combustion gas velocity?	
	<b>Answer</b>	<b>Citations</b>	<b>Notes</b>
		335.152(a)(13)	
<b>Item Number</b> E	<b>Description</b>	Is the owner or operator burning waste within the operating limits for the allowable variations in incinerator system design or operating procedures?	
	<b>Answer</b>	<b>Citations</b>	<b>Notes</b>
		335.152(a)(13)	
<b>Item Number</b> F	<b>Description</b>	Is the owner or operator burning waste within the operating limits for other operating requirements?	
	<b>Answer</b>	<b>Citations</b>	<b>Notes</b>
		264.345(b)(6)	
<b>Item Number</b> G	<b>Description</b>	Note the other operating parameters.	
	<b>Answer</b>	<b>Citations</b>	<b>Notes</b>
<b>Item Number</b> 4	<b>Description</b>	During start-up and shut down of the incinerator, was hazardous waste fed only when the unit was operating within the conditions of operation (temperature, air feed rate, etc.) specified in the permit?	
	<b>Answer</b>	<b>Citations</b>	<b>Notes</b>
		335.152(a)(13)	
<b>Item Number</b> 5	<b>Description</b>	Does the owner or operator control fugitive emissions by keeping the combustion zone totally sealed, maintaining combustion zone pressure lower than atmospheric, or an alternative means?	
	<b>Answer</b>	<b>Citations</b>	<b>Notes</b>
		264.345(d)	
<b>Item Number</b> 6	<b>Description</b>	Does the incinerator have a functioning automatic waste feed cut-off system that stops the hazardous waste feed when operating conditions deviate from limits established in the permit, and Part B of the facility's Permit Application?	
	<b>Answer</b>	<b>Citations</b>	<b>Notes</b>
		335.152(a)(13)	
<b>Item Number</b> 7	<b>Description</b>	Did the incinerator cease operation when changes in waste feed, incinerator design, or operating conditions exceed limits designated in its permit?	
	<b>Answer</b>	<b>Citations</b>	<b>Notes</b>
		264.345(f)	
<b>Item Number</b>	<b>Description</b>	SECTION B: MONITORING AND INSPECTIONS	
	<b>Answer</b>	<b>Citations</b>	<b>Notes</b>
<b>Item Number</b> 1	<b>Description</b>	Does the owner or operator monitor the following on a continuous basis?	
	<b>Answer</b>	<b>Citations</b>	<b>Notes</b>
		264.347(a)	
<b>Item Number</b> A	<b>Description</b>	Combustion temperature? [335.152(a)(13) / 264.347(a)(1)]	
	<b>Answer</b>	<b>Citations</b>	<b>Notes</b>
<b>Item Number</b> B	<b>Description</b>	Waste feed rate? [335.152(a)(13) / 264.347(a)(1)]	
	<b>Answer</b>	<b>Citations</b>	<b>Notes</b>
<b>Item Number</b> C	<b>Description</b>	The indicator of combustion gas velocity specified in the permit? [335.152(a)(13) / 264.347(a)(1)]	
	<b>Answer</b>	<b>Citations</b>	<b>Notes</b>
<b>Item Number</b> D	<b>Description</b>	Carbon monoxide (downstream of combustion and prior to release to atmosphere)? [335.152(a)(13) / 264.347(a)(2)]	
	<b>Answer</b>	<b>Citations</b>	<b>Notes</b>
<b>Item Number</b> 2	<b>Description</b>	Is sampling and analysis of the waste and exhaust emissions conducted to verify permit compliance (upon request of the Executive Director, including trial burns)?	
	<b>Answer</b>	<b>Citations</b>	<b>Notes</b>
		264.347(a)(3)	
<b>Item Number</b> 3	<b>Description</b>	Does the owner or operator inspect the incinerator and associated equipment at least daily, for leaks, spills, fugitive emissions, and signs of tampering?	
	<b>Answer</b>	<b>Citations</b>	<b>Notes</b>
		335.152(a)(13)	
<b>Item Number</b> 4	<b>Description</b>	Are the automatic waste feed cut off system and associated alarms tested at least weekly?	

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		<b>Answer</b>	<b>Citations</b>	<b>335.152(a)(13)</b>	<b>Notes</b>
<b>Item Number</b>	<b>A</b>	<b>Description</b>	If not, did the TCEQ approve an alternate inspection schedule, not to exceed one month? [335.152(a)(13) / 264.347(c)]		
		<b>Answer</b>	<b>Citations</b>		<b>Notes</b>
<b>Item Number</b>	<b>5</b>	<b>Description</b>	Are monitoring and inspection results documented and placed in the operating record?		
		<b>Answer</b>	<b>Citations</b>	<b>335.152(a)(13)</b>	<b>Notes</b>
<b>Item Number</b>		<b>Description</b>	SECTION C: WASTE ANALYSIS		
		<b>Answer</b>	<b>Citations</b>		<b>Notes</b>
<b>Item Number</b>	<b>1</b>	<b>Description</b>	Did the owner or operator include an analysis of the waste feed sufficient to provide all information required by 270.62(b) or 270.19 as part of the trial burn plan required by 270.62, or with Part B of the Permit Application?		
		<b>Answer</b>	<b>Citations</b>	<b>335.152(a)(13)</b>	<b>Notes</b>
<b>Item Number</b>	<b>2</b>	<b>Description</b>	Has the owner or operator conducted sufficient waste analysis to verify that the waste feed to the incinerator is within the physical and chemical composition limits specified in the permit?		
		<b>Answer</b>	<b>Citations</b>	<b>335.152(a)(13)</b>	<b>Notes</b>
<b>Item Number</b>		<b>Description</b>	SECTION D: CLOSURE		
		<b>Answer</b>	<b>Citations</b>		<b>Notes</b>
<b>Item Number</b>	<b>1</b>	<b>Description</b>	Did the owner or operator remove all hazardous waste and hazardous waste residues from the incinerator site?		
		<b>Answer</b>	<b>Citations</b>	<b>335.152(a)(13)</b>	<b>Notes</b>