

**Remediation  
Air Permits by Rule (PBR) Checklist  
Title 30 Texas Administrative Code § 106.533**

Check the most appropriate answer and include any additional information in the spaces provided. If additional space is needed, please include an extra page and reference the rule number. The permit by rule (PBR) forms, tables, checklists, and guidance documents are available from the TCEQ, Air Permits Division Web site at: [www.tceq.texas.gov/permitting/air/nav/air\\_pbr.html](http://www.tceq.texas.gov/permitting/air/nav/air_pbr.html).

This PBR (§ 106.533) does not require registration, only notification to the appropriate regional office within ten days following installation or modification of the remediation facility using [Form TCEQ-20122](#) (Regional Notification/Relocation Form).

For additional assistance with your application, including resources to help calculate your emissions, please visit the Small Business and Local Government Assistance (SBLGA) webpage at the following link: [www.TexasEnviroHelp.org](http://www.TexasEnviroHelp.org)

Rule	Check the Most Appropriate Answers and Fill in the Blanks
<b>(a)</b>	<b>Applicability</b>
(a)	Will the facility be used to extract, handle, process, condition, reclaim, or destroy <input type="checkbox"/> YES <input type="checkbox"/> NO contaminants for the purpose of remediation?
Check all the boxes that apply to this project.	
<input type="checkbox"/> pilot tests/site assessments <input type="checkbox"/> treatment activities <input type="checkbox"/> additional facilities <input type="checkbox"/> change in method of control <input type="checkbox"/> other: _____	
<b>(b)</b>	<b>Scope</b>
(b)	Have all definitions been reviewed, and is this project within the scope of the PBR? <input type="checkbox"/> YES <input type="checkbox"/> NO
(b)(5)	Are all remediation facilities and related sources described in the attached? <input type="checkbox"/> YES <input type="checkbox"/> NO
Check all the boxes that apply.	
<input type="checkbox"/> control devices <input type="checkbox"/> tanks <input type="checkbox"/> containers <input type="checkbox"/> liquid separators <input type="checkbox"/> material transfer systems <input type="checkbox"/> vacuum pumps <input type="checkbox"/> piping <input type="checkbox"/> connecting components <input type="checkbox"/> other: _____	
<b>(c)</b>	<b>General Requirements</b>
(c)(1)	Will the remediation be performed at the affected property on the site where the original contamination occurred, or at a nearby site secondarily affected by the contamination? <input type="checkbox"/> YES <input type="checkbox"/> NO
(c)(1)	Will any materials be brought in from another site or facilities unrelated to the remediation? <input type="checkbox"/> YES <input type="checkbox"/> NO
<i>If "YES," the facility or facilities are subject to § 116.10 (relating to Applicability) and must be authorized by a New Source Review Permit.</i>	

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<b>Rule</b>	<b>Check the Most Appropriate Answers and Fill in the Blanks</b>	
<b>(c)</b>	<b>General Requirements (continued)</b>	
(c)(2)	Will all air contaminants associated with the remediation project be identified and quantified using the methodology specified by the applicable remediation program and the U.S. Environmental Protection Agency (EPA) or TCEQ-approved method? <i>Attach relevant emissions information.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
(c)(3)	Will the selection of emissions control equipment meet the methodology approved by the applicable remediation program (e.g., Petroleum Storage Tank (PST) Program, Voluntary Cleanup Program, Superfund, etc.)?	<input type="checkbox"/> YES <input type="checkbox"/> NO
(c)(4)	Will the height of all vents associated with this remediation project be at least ten feet above ground level?	<input type="checkbox"/> YES <input type="checkbox"/> NO
Vent height: _____ feet		
(c)(5)	Will there be multiple remediation facilities at the site?	<input type="checkbox"/> YES <input type="checkbox"/> NO
Check the box which applies.		
<input type="checkbox"/> Each remediation facility will be separated from all others by at least 100 feet.		
<input type="checkbox"/> Any individual facilities not separated by at least 100 feet are combined and treated as a single facility.		
(c)(6)	Has it been determined that the remediation project will not cause a nuisance as defined in	<input type="checkbox"/> YES <input type="checkbox"/> NO
(c)(7)	Do you understand that whenever this section specifies that an action be performed periodically (e.g. weekly), the requirement applies only when the equipment is in operation for that period?	<input type="checkbox"/> YES <input type="checkbox"/> NO
(c)(8)	Will air emissions resulting from emergency containment and removal of soil or water from spills comply with <a href="#">30 TAC Chapter 101</a> (relating to General Air Quality Rules) and are not authorized by this PBR?	<input type="checkbox"/> YES <input type="checkbox"/> NO
(c)(9)	Will there be any visible emissions leaving the site for a period exceeding 30 seconds in any six-minute period?	<input type="checkbox"/> YES <input type="checkbox"/> NO
(b)(7)	Is the site contaminated with petroleum compounds, including solids, liquids, or gases produced from natural formations of crude oil, tar sands, shale, coal, and natural gas; or refinery fuel products (which may contain additives)?	<input type="checkbox"/> YES <input type="checkbox"/> NO

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<b>(d)</b>	<b>Sites contaminated only with petroleum compounds</b>	
(d)	Is this remediation project for petroleum compounds only?	<input type="checkbox"/> YES <input type="checkbox"/> NO
<i>If "YES," continue. If "NO," skip to Subsection (e).</i>		
(d)(1)	Are there any facilities less than 100 feet from the nearest off-site receptor?	<input type="checkbox"/> YES <input type="checkbox"/> NO
<i>If "YES," continue. If "NO," skip to (d)(2).</i>		
Distance: _____ feet		
(d)(1)(A)	Will one of the following be used as a control device?	<input type="checkbox"/> YES <input type="checkbox"/> NO
Check all that apply. <input type="checkbox"/> direct-flame combustion device (incinerator, furnace, boiler, heater, or other enclosed direct-flame device) <input type="checkbox"/> catalytic oxidizer <input type="checkbox"/> internal combustion engine <input type="checkbox"/> carbon absorption system		
<i>If "YES," go to the next question. If "NO," skip to Question (d)(1)(B).</i>		
(d)(1)(A)	Will a control device be used, and will the total emissions be within the limits of the rule?	<input type="checkbox"/> YES <input type="checkbox"/> NO
<i>Note: When a control device is used, the total emissions are limited to 1.0 lb/hr of total petroleum hydrocarbons (TPH) and 0.1 lb/hr of benzene. For non-fuel dispensing sites of hydrogen sulfide (H<sub>2</sub>S) emissions must not exceed 0.1 lb/hr.</i>		
TPH (lb/hr):	Benzene (lb/hr):	H <sub>2</sub> S (lb/hr):
(d)(1)(B)	If no control device is used, will total emissions be within the limits of the rule?	<input type="checkbox"/> YES <input type="checkbox"/> NO
<i>Note: When a control device is not used, total emissions are limited to 0.1 lb/hr of total petroleum hydrocarbons (TPH), 0.1 lb/hr of benzene. For non-fuel dispensing sites of hydrogen sulfide (H<sub>2</sub>S) emissions must not exceed 0.1 lb/hr.</i>		
TPH (lb/hr):	Benzene (lb/hr):	H <sub>2</sub> S (lb/hr):

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<b>Rule</b>	<b>Check the Most Appropriate Answers and Fill in the Blanks</b>	
<b>(d)</b>	<b>Sites contaminated only with petroleum compounds (continued)</b>	
(d)(2)	Are all facilities located at least 100 feet from the nearest off-site receptor?	<input type="checkbox"/> YES <input type="checkbox"/> NO
Distance: _____ feet		
If "YES," continue. If "NO," go to Subsection (e)(1).		
(d)(2)	Will emissions from all point sources be within the limits of the rule?	<input type="checkbox"/> YES <input type="checkbox"/> NO
Note: When the distance to receptors is at least 100 feet, total emissions are limited to 1.0 lb/hr of total petroleum hydrocarbons (TPH) and the hourly rate specified by § 106.262 (relating to Facilities (Emission and Distance Limitations) for benzene and hydrogen sulfide (H <sub>2</sub> S) for non-fuel-dispensing sites.		
TPH (lb/hr):	Benzene (lb/hr):	H <sub>2</sub> S (lb/hr):
(d)(3)	Do the TCEQ PST remediation and/or reimbursement requirements apply to this site?	<input type="checkbox"/> YES <input type="checkbox"/> NO
Check all the boxes which apply:		
<input type="checkbox"/> Sampling and lab analysis of influent and effluent vapors will be performed at least monthly to demonstrate compliance with the control equipment efficiency and /or emission rate limits.		
<input type="checkbox"/> Sampling and lab analysis of influent and effluent vapors will be performed at least monthly to demonstrate compliance with any related PST requirements.		
<input type="checkbox"/> Alternative evaluation methods have been approved in writing by the TCEQ remediation program (Attach supporting documentation and describe the alternative method).		
(b)(3)	Is the site contaminated with one or more of the following dry cleaning compounds?	<input type="checkbox"/> YES <input type="checkbox"/> NO
Check all the boxes which apply:		
<input type="checkbox"/> Perchloroethylene (PERC), also known as tetrachloroethylene, and its degradation products, including trichloroethylene, 1,2-dichloroethylene, and vinyl chloride		
<input type="checkbox"/> Petroleum-based solvents such as Stoddard Solvent, naphtha, and other petroleum distillates		
<input type="checkbox"/> Hydrocarbons and synthetic hydrocarbons such as DF-2000™ fluid, EcoSolv™, PureDry™, or equivalent		
<input type="checkbox"/> Silicone-based solvents containing decamethylcyclopentasiloxane		
<input type="checkbox"/> Other nonaqueous solvents such as carbon tetrachloride, dipropylene glycol tertiary butyl ether, 1,1,1-trichloroethane, and 1,1,2-trichloro-1,1,2-trifluoroethane		
(e)	Is this remediation project for dry cleaning compounds only?	<input type="checkbox"/> YES <input type="checkbox"/> NO
If "YES," continue. If "NO," skip to (f).		

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<b>Rule</b>	<b>Check the Most Appropriate Answers and Fill in the Blanks</b>
<b>(e)</b>	<b>Sites contaminated only with dry cleaning compounds (continued)</b>
(e)(1)	Are there any facilities less than 100 feet from the nearest off-site receptor? <input type="checkbox"/> YES <input type="checkbox"/> NO
Distance: _____ feet	
If "YES," continue. If "NO," skip to (e)(2).	
(e)(1)(A)	Will one of the following be used as a control device? <input type="checkbox"/> YES <input type="checkbox"/> NO
Check the boxes which apply.	
<input type="checkbox"/> direct-flame combustion device (incinerator, furnace, boiler, heater, or other enclosed direct-flame device) <input type="checkbox"/> catalytic oxidizer <input type="checkbox"/> internal combustion engine <input type="checkbox"/> carbon absorption system	
If "YES," go to the next question. If "NO," skip to question (e)(1)(B).	
(e)(1)(A)	Will a control device be used, and will total emissions be within the limits of the rule? <input type="checkbox"/> YES <input type="checkbox"/> NO
Check all that apply.	
<input type="checkbox"/> § 106.261 lb/hr and tpy <input type="checkbox"/> § 106.262 lb/hr and tpy (assuming 100 feet) <input type="checkbox"/> 0.04 lb/hr for any air contaminant	
Note: When a control device is used, the total emissions of each individual compound must meet the chemical specific emission limits in § 106.261 or § 106.262 (assuming 100 feet), whichever is more stringent. Attach emissions calculations to demonstrate the limits are met.	
(e)(1)(B)	If no control device is used, will total emissions be within 10% of the values as specified by § 106.261 and § 106.262? <input type="checkbox"/> YES <input type="checkbox"/> NO
Check the boxes that apply.	
<input type="checkbox"/> § 106.261 lb/hr and tpy <input type="checkbox"/> § 106.262 lb/hr and tpy (assuming 100 feet) <input type="checkbox"/> 0.04 lb/hr for any air contaminant	
Note: When a control device is used, the total emissions of each individual compound must not exceed 10% of the chemical specific emission limits in § 106.261 or § 106.262 (assuming 100 feet), whichever is more stringent. Attach emissions calculations to demonstrate the limits are met.	

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<b>(e)</b>	<b>Sites contaminated only with dry cleaning compounds (continued)</b>	
(e)(1)(C)	Will the maximum emission rate for any individual compound be 0.04 lb/hr, unless § 106.261 or § 106.262 specify a higher emission rate?	<input type="checkbox"/> YES <input type="checkbox"/> NO
(e)(2)	Are all facilities at least 100 feet from the nearest off-site receptor?	<input type="checkbox"/> YES <input type="checkbox"/> NO
Distance: _____ feet		
If "YES," continue. If "NO," go back to Question (e)(1).		
(e)(2)	Will emissions of each individual compound from each facility meet the emissions and distance requirements of the rule?	<input type="checkbox"/> YES <input type="checkbox"/> NO
Check the boxes which apply and attach emissions calculations to demonstrate the limits are met.		
<input type="checkbox"/> § 106.261 lb/hr and tpy		
<input type="checkbox"/> § 106.262 lb/hr and tpy (assuming 100 feet)		
<input type="checkbox"/> 0.04 lb/hr for any air contaminant		
(e)(2)	Will the maximum emission rate for any individual compound be 0.04 lb/hr, unless § 106.261 or § 106.262 specify a higher emission rate?	<input type="checkbox"/> YES <input type="checkbox"/> NO
(e)(3)	Is a carbon adsorption system (CAS) that meets the requirements of this PBR as listed in (g) used?	<input type="checkbox"/> YES <input type="checkbox"/> NO
Note: No other control devices are allowed under this PBR for dry cleaning compounds.		
(e)(4)	Are additional technical and administrative requirements for the remediation of dry cleaning sites being complied with following Texas Health and Safety Code §§ 374.001 - 374.253?	<input type="checkbox"/> YES <input type="checkbox"/> NO
<b>(f)</b>	<b>All other sites and affected properties</b>	
(f)	Is this project covered by Subsections (d) or (e) above?	<input type="checkbox"/> YES <input type="checkbox"/> NO
If "YES," skip to Subsection (g). If "NO," continue.		

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<b>Rule</b>	<b>Check the Most Appropriate Answers and Fill in the Blanks</b>	
<b>(f)</b>	<b>All other sites and affected properties (continued)</b>	
(f)(1)(A)	Will hourly emissions of each individual organic and inorganic compound from each facility (other than products of combustion) meet the most stringent of the following requirements?	<input type="checkbox"/> YES <input type="checkbox"/> NO
Check the boxes which apply and attach emissions calculations to demonstrate the limits are met. <input type="checkbox"/> § 106.261 lb/hr and tpy <input type="checkbox"/> § 106.262 lb/hr and tpy (assuming 100 feet) <input type="checkbox"/> Not in § 106.262, the short-term ESL $\leq 100 \mu\text{g}/\text{m}^3$ but $\geq 2 \mu\text{g}/\text{m}^3$ , and emissions are $\leq 0.04 \text{ lb/hr}$ <input type="checkbox"/> Not in § 106.262 and the ESL $< 2 \mu\text{g}/\text{m}^3$ , and emissions are $\leq 0.01 \text{ lb/hr}$		
(f)(1)(B)	Are the total annual emissions of each organic or inorganic compound less than five tons per year for each facility?	<input type="checkbox"/> YES <input type="checkbox"/> NO
(f)(3)	Are all emission points and area sources associated with each facility located at least 100 feet from any off-site receptor?	<input type="checkbox"/> YES <input type="checkbox"/> NO
Distance: _____ feet		
<b>(g)</b>	<b>Control devices</b>	
(g)	Will a control device be used?	<input type="checkbox"/> YES <input type="checkbox"/> NO
<i>If "YES," continue.</i> <i>If "NO," check if Subsection (d) or (e) is applicable.</i>		
(g)	Will the control device comply with applicable opacity restrictions in 30 TAC Chapter 111 (relating to Control of Air Pollution from Visible Emissions and Particulate Matter)?	<input type="checkbox"/> YES <input type="checkbox"/> NO
(g)(1)	Will a direct-flame combustion device (incinerator, furnace, boiler, heater, or other enclosed direct-flame device) be used as a control device?	<input type="checkbox"/> YES <input type="checkbox"/> NO
<i>If "YES," continue with Subsection (g)(1).</i> <i>If "NO," skip to Subsection (g)(2) below.</i>		
(g)(1)(A)	Will each direct-flame combustion device be automatically controlled to maintain a minimum temperature of 1,400 degrees Fahrenheit or higher in the combustion chamber (secondary chamber, if dual-chamber) and have a gas retention time of 0.5 second or greater?	<input type="checkbox"/> YES <input type="checkbox"/> NO
(g)(1)(B)	Will the temperature of the device be maintained at a minimum of 1,400 degrees Fahrenheit?	<input type="checkbox"/> YES <input type="checkbox"/> NO
Temperature: _____ °F		
(g)(1)(C)	Will continuous temperature monitors be installed and maintained to record the temperature of the combustion chamber (secondary chamber, if dual-chamber)?	<input type="checkbox"/> YES <input type="checkbox"/> NO

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<b>(g)</b>	<b>Control devices (continued)</b>	
(g)(1)(C)	Will records of temperature data be maintained?	<input type="checkbox"/> YES <input type="checkbox"/> NO
(g)(2)	Will a flare be used as a control device?	<input type="checkbox"/> YES <input type="checkbox"/> NO
<i>If "YES," continue with Subsection (g)(2). If "NO," skip to Subsection (g)(3) below.</i>		
(g)(2)(A)(i)	Will the flare be equipped with a flare tip designed to provide good mixing with air, flame stability, and meet the most stringent of either <a href="#">30 TAC § 106.492</a> (relating to Flares); or <a href="#">40 Code of Federal Regulations (CFR) § 60.18</a> , General Control Device Requirements (as published in the October 17, 2000 issue of the Federal Register)?	<input type="checkbox"/> YES <input type="checkbox"/> NO
(g)(2)(A)(ii)	Will the flare be equipped with a continuously burning pilot or other automatic ignition system that assures gas ignition and provides immediate notification of appropriate personnel when the ignition system ceases to function?	<input type="checkbox"/> YES <input type="checkbox"/> NO
(g)(2)(B)	Will liquids be burned in the flare?	<input type="checkbox"/> YES <input type="checkbox"/> NO
(g)(2)(C)	Will visible emissions be limited to no more than five minutes in any two-hour period?	<input type="checkbox"/> YES <input type="checkbox"/> NO
(g)(3)	Will a catalytic oxidizer be used as a control device?	<input type="checkbox"/> YES <input type="checkbox"/> NO
<i>If "YES," continue with Subsection (g)(3). If "NO," skip to Subsection (g)(4) below.</i>		
(g)(3)(A)	Will the minimum design destruction efficiency of the catalytic oxidizer be at least 90% for the contaminants at the site?	<input type="checkbox"/> YES <input type="checkbox"/> NO
Efficiency: _____ percent		
(g)(3)(B)	Will the appropriate catalyst be used depending on the type of contaminants in accordance with the manufacturer's guidelines?	<input type="checkbox"/> YES <input type="checkbox"/> NO
(g)(3)(C)	Will an evaluation of oxidizer effectiveness be made?	<input type="checkbox"/> YES <input type="checkbox"/> NO
Check all that apply.		
<input type="checkbox"/> Within two hours of startup		
<input type="checkbox"/> At least weekly		
<input type="checkbox"/> Using a flame ionization detector (FID)		
<input type="checkbox"/> Using a photo-ionization detector (PID)		
<input type="checkbox"/> Using a flow meter		
<input type="checkbox"/> To demonstrate compliance with emission rate limits		



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<b>(g)</b>	<b>Control devices (continued)</b>	
(g)(3)(C)	Will the flame ionization detector (FID) or photo-ionization detector (PID) instrument chosen be capable of properly detecting the types of contaminants present?	<input type="checkbox"/> YES <input type="checkbox"/> NO
(g)(3)(C)	Will records of oxidizer effectiveness be maintained?	<input type="checkbox"/> YES <input type="checkbox"/> NO
(g)(4)	Will an internal combustion engine be used as a control device?	<input type="checkbox"/> YES <input type="checkbox"/> NO
<i>If "YES," continue with Subsection (g)(4). If "NO," skip to Subsection (g)(5) below.</i>		
(g)(4)(A)	Will the minimum design destruction efficiency of the catalytic oxidizer be at least 99% for the contaminants at the site?	<input type="checkbox"/> YES <input type="checkbox"/> NO
Efficiency: _____ percent		
(g)(4)(B)	Will chlorinated or sulfur compounds be burned in these facilities?	<input type="checkbox"/> YES <input type="checkbox"/> NO
(g)(4)(C)	Will an evaluation of engine effectiveness be made?	<input type="checkbox"/> YES <input type="checkbox"/> NO
Check all that apply:		
<input type="checkbox"/> Within two hours of startup <input type="checkbox"/> At least weekly <input type="checkbox"/> Using a FID <input type="checkbox"/> Using a PID <input type="checkbox"/> Using a flow meter <input type="checkbox"/> To demonstrate compliance with emission rate limits		
(g)(4)(C)	Will the FID or PID instrument chosen be capable of properly detecting the types of contaminants present?	<input type="checkbox"/> YES <input type="checkbox"/> NO
(g)(4)(C)	Will records of engine effectiveness be maintained?	<input type="checkbox"/> YES <input type="checkbox"/> NO
(g)(5)	Will a carbon adsorption system (CAS) be used as a control device?	<input type="checkbox"/> YES <input type="checkbox"/> NO
<i>If "YES," continue with Subsection (g)(5). If "NO," skip to Subsection (h) below.</i>		
(g)(5)	Will CAS consist of at least two activated carbon canisters that are connected in series?	<input type="checkbox"/> YES <input type="checkbox"/> NO
(g)(5)(A)	Prior to the use of a CAS at the site, will there be a demonstration that activated carbon is an appropriate choice for control of the contaminants at the site?	<input type="checkbox"/> YES <input type="checkbox"/> NO
(g)(5)(B)	Will the CAS be operated to minimize breakthrough and maintain compliance with the emission limits of this subsection?	<input type="checkbox"/> YES <input type="checkbox"/> NO
(g)(5)(B)	When the VOC breakthrough is detected in the outlet of the initial canister, will the waste gas flow be switched to the second canister immediately?	<input type="checkbox"/> YES <input type="checkbox"/> NO
(g)(5)(B)	Within four hours of detection of breakthrough, will a fresh canister be placed as the new final polishing canister?	<input type="checkbox"/> YES <input type="checkbox"/> NO

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<b>Rule</b>	<b>Check the Most Appropriate Answers and Fill in the Blanks</b>
<b>(g)</b>	<b>Control devices (continued)</b>
(g)(5)(B)	Will sufficient fresh activated carbon canisters be maintained at the site to ensure fresh polishing canisters are installed within four hours of detection of breakthrough? <input type="checkbox"/> YES <input type="checkbox"/> NO
(g)(5)(C)(i)	Will the CAS be sampled initially (within two hours of startup) and periodically to determine breakthrough (defined as a measured VOC concentration of 100 parts per million by volume (ppmv) in the outlet of the initial canister)? <input type="checkbox"/> YES <input type="checkbox"/> NO
(g)(5)(C)(i)	Will the sampling point be at the outlet of the initial canister, but before the inlet to the second or final polishing canister? <input type="checkbox"/> YES <input type="checkbox"/> NO
(g)(5)(C)(i)	Will sampling be performed while venting maximum emissions to the CAS (e.g., during loading of tank trucks, during tank filling, during process venting)? <input type="checkbox"/> YES <input type="checkbox"/> NO
(g)(5)(C)(i)	Will the CAS be monitored on a weekly basis or 20 percent of the design carbon replacement interval, whichever is less? <input type="checkbox"/> YES <input type="checkbox"/> NO
(g)(5)(C)(ii)	Will an FID or PID instrument capable of properly detecting the types of contaminants present be used for VOC sampling? <input type="checkbox"/> YES <input type="checkbox"/> NO
(g)(5)(C)(iii)	At dry cleaning remediation sites, will additional sampling to determine total organics and speciated chlorinated compounds be performed initially (within two hours of startup) and at least monthly? <input type="checkbox"/> YES <input type="checkbox"/> NO
<b>(h)</b>	<b>Fugitive emissions when no control device is used</b>
(h)	Is a control device used for remediation? <input type="checkbox"/> YES <input type="checkbox"/> NO
<i>If "NO," continue.</i>	
<i>If "YES," Subsection (h) does not apply.</i>	
(h)	Whenever emission releases are not directly emitted from a control device or stack which can be sampled, will compliance with the emission limits be demonstrated by the use of a FID or PID? <input type="checkbox"/> YES <input type="checkbox"/> NO
(h)	Will the FID or PID be used initially and on a weekly basis to demonstrate compliance with the emission limits? <input type="checkbox"/> YES <input type="checkbox"/> NO
(h)	Will the FID or PID instrument chosen be capable of properly detecting the types of contaminants present? <input type="checkbox"/> YES <input type="checkbox"/> NO
(h)	Will measurements occur as close as possible to the remediation activity, but no further away than the nearest property line? <input type="checkbox"/> YES <input type="checkbox"/> NO
(h)	Will records be kept demonstrating that the measured concentration is equal to or less than the air contaminant's effects screening level (ESL)? <input type="checkbox"/> YES <input type="checkbox"/> NO

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<b>(h)</b>	<b>Fugitive emissions when no control device is used (continued)</b>	
(h)	If an ESL is exceeded, will remediation cease until corrective action restores the concentration to below ESL values?	<input type="checkbox"/> YES <input type="checkbox"/> NO
(h)	Will conversion from FID and PID devices to ESLs use the following formula? $\mu\text{g}/\text{m}^3 = [(\text{ppmv})(\text{gram molecular weight of substance})] / 0.02445$	<input type="checkbox"/> YES <input type="checkbox"/> NO
<b>(i)</b>	<b>Other regulatory requirements</b>	
(i)(1)	Is the remediation being conducted on a site as part of a voluntary cleanup?	<input type="checkbox"/> YES <input type="checkbox"/> NO
<i>If "YES," a state permit is not required for remediation.            If "NO," go to question (i)(2).</i>		
(i)(1)	Will the voluntary cleanup be coordinated with ongoing federal and state hazardous waste programs?	<input type="checkbox"/> YES <input type="checkbox"/> NO
(i)(1)	Will the persons conducting the voluntary cleanup comply with any federal or state standard, requirement, criterion, or limitation that the remediation would otherwise be subject to if a permit were required (see <a href="#">Texas Health and Safety Code § 361.611</a> )?	<input type="checkbox"/> YES <input type="checkbox"/> NO
(i)(2)	Is the remediation being conducted on a site as part of a Superfund project?	<input type="checkbox"/> YES <input type="checkbox"/> NO
<i>If "YES," a state permit is not required for remediation.            If "NO," go to Question (i)(3).</i>		
(i)(2)	Will the Superfund project be coordinated with ongoing federal and state hazardous waste programs?	<input type="checkbox"/> YES <input type="checkbox"/> NO
(i)(2)	Will the persons conducting the cleanup comply with any federal or state standard, requirement, criterion, or limitation that the remediation would otherwise be subject if a permit were required (see <a href="#">Texas Health and Safety Code § 361.196</a> )?	<input type="checkbox"/> YES <input type="checkbox"/> NO
(i)(3)	Will the facilities comply with any local government regulations or other local government requirements, permits, registrations, or other authorizations required by local authorities?	<input type="checkbox"/> YES <input type="checkbox"/> NO
(i)(4)	Will the remediation equipment comply with any additional state regulations?	<input type="checkbox"/> YES <input type="checkbox"/> NO
(i)(5)	Will the remediation project comply with all applicable federal requirements, including air standards and requirements for hazardous air pollutants under <a href="#">40 CFR Part 63, MACT Subpart GGGGG</a> ?	<input type="checkbox"/> YES <input type="checkbox"/> NO

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Rule	Check the Most Appropriate Answers and Fill in the Blanks	
<b>(j)</b>	<b>Administrative requirements</b>	
(j) (1)	Before starting remediation (pilot test or treatment), will the owner or operator notify the commission using <a href="#">Form TCEQ 20122</a> (Regional Notification/Relocation Form)?	<input type="checkbox"/> YES <input type="checkbox"/> NO
<i>Note: Notifications for multiple sites that are part of the same affected property may be submitted at the same time.</i>		
(j) (1) (B)	Will the notification be sent to the appropriate regional office, any local air pollution control program, and appropriate remediation program?	<input type="checkbox"/> YES <input type="checkbox"/> NO
(j) (1) (C)	Will pilot test notifications be received by those listed in (j) (1) (B) above prior to the commencement of activities?	<input type="checkbox"/> YES <input type="checkbox"/> NO
(j) (1) (D)	Will an updated or additional notification be received by those listed in (j) (1) (B) above prior to the commencement of activities?	<input type="checkbox"/> YES <input type="checkbox"/> NO
(j) (1) (D)	Will an updated or additional notification contain specific information concerning the basis (measured or calculated) for the expected emissions from the facility and explain details as to why the control device can be expected to perform as represented?	<input type="checkbox"/> YES <input type="checkbox"/> NO
(j) (1) (E)	For any remediation project that changes or eliminates a represented control device during the lifetime of the project, will an amended notification be filed with those listed in (j) (1) (B) above as soon as practicable after the change and after confirmation with the appropriate remediation program?	<input type="checkbox"/> YES <input type="checkbox"/> NO
(j) (2) (A)	Will records be maintained at the site or at the nearest staffed location, and made available upon request to personnel from the commission, any local agency having jurisdiction, or appropriate remediation program?	<input type="checkbox"/> YES <input type="checkbox"/> NO
(j) (2) (A)	Will all of the following records be maintained?	<input type="checkbox"/> YES <input type="checkbox"/> NO
Check which records are maintained. <input type="checkbox"/> Sample time and date <input type="checkbox"/> Monitoring results (ppmv) <input type="checkbox"/> Process operations occurring at the time of sampling <input type="checkbox"/> Documentation of any corrective action taken, including time and date of the action <input type="checkbox"/> Records of compliance with emission rate limits <input type="checkbox"/> Demonstration that the chosen control method is an appropriate choice for the site <input type="checkbox"/> The return receipt of notification to the appropriate regional office, local air pollution control programs, and appropriate remediation program		

**Remediation  
Air Permits by Rule (PBR) Checklist  
Title 30 Texas Administrative Code § 106.533**

<b>Rule</b>	<b>Check the Most Appropriate Answers and Fill in the Blanks</b>
<b>Other applicable rules and regulations</b>	
	Will the facilities be subject to <a href="#">30 TAC §§ 115.140-149?</a> <span style="float: right;"><input type="checkbox"/> YES <input type="checkbox"/> NO</span>
	Why or Why Not:
	Will the facilities be subject to <a href="#">30 TAC Chapter 117?</a> <span style="float: right;"><input type="checkbox"/> YES <input type="checkbox"/> NO</span>
	Why or Why Not:
	Will the facilities be subject to <a href="#">40 CFR Part 60, NSPS Subpart QQQ?</a> <span style="float: right;"><input type="checkbox"/> YES <input type="checkbox"/> NO</span>
	Why or Why Not:
	Will the facilities be subject to <a href="#">40 CFR Part 61, NESHAPS Subpart FF?</a> <span style="float: right;"><input type="checkbox"/> YES <input type="checkbox"/> NO</span>
	Why or Why Not:
	Will the facilities be subject to <a href="#">40 CFR Part 63, MACT Subpart QQ?</a> <span style="float: right;"><input type="checkbox"/> YES <input type="checkbox"/> NO</span>
	Why or Why Not:
	Will the facilities be subject to <a href="#">40 CFR Part 63, MACT Subpart RR?</a> <span style="float: right;"><input type="checkbox"/> YES <input type="checkbox"/> NO</span>
	Why or Why Not:

**Record Keeping:** In order to demonstrate compliance with the general and specific requirements of this PBR, sufficient records must be maintained to demonstrate that all requirements are met at all times. The minimum records of sampling or monitoring that must be maintained include the sample date and time, monitoring results (ppmv), corrective action taken (including the date and time of the action), process operations at the time of sampling, records of compliance with the emission rate limits, a record of the demonstration that the chosen control method is an appropriate choice for the site, and a record of the return receipt demonstrating notification to the appropriate regional office, any local air pollution control having jurisdiction over the site, and the appropriate remediation program. The registrant should also become familiar with the additional record keeping requirements in [30 TAC § 106.8](#). The records must be made available immediately upon request to the commission or any air pollution control program having jurisdiction. If you have any question about the type of records that should be maintained or testing requirements, contact the Air Program in the [TCEQ Regional Office](#) for the region in which the site is located.

**Recommended Calculation Methods:** In order to demonstrate compliance with this PBR, use the emission factors for each air contaminant from the EPA Compilation of Air Pollutant Emission Factors (AP-42), Fifth Edition, Volume 1 at: [www.epa.gov/ttn/chief/ap42/index.html](http://www.epa.gov/ttn/chief/ap42/index.html). Additional guidance may be found in the TCEQ Technical Guidance Document on Soil Remediation at: [www.tceq.texas.gov/assets/public/permitting/air/Guidance/NewSourceReview/soilreme.pdf](http://www.tceq.texas.gov/assets/public/permitting/air/Guidance/NewSourceReview/soilreme.pdf).