



Washington's Greenhouse Gas Reporting Rule

WAC 173-441

October 2009 Workshops

Report Submission Form

- Plan to use TCR platform for data management
 - Online submittal
 - Will include calculation features
 - Will store basic information, streamlining reporting in subsequent years
 - Can save drafts and set up multiple user accounts
- Version covered here is a draft
 - Ecology working with TCR to add features and customize for Washington

Entity Information

Use this form to add or change: 1) entity addresses, 2) entity contacts, 3) entity documents, 4) verification bodies, 5) facilities, and 6) information about each reporting year. In each tab, use the buttons located under each grid to change the information displayed in the grid.

Entity Name Company X

Entity Number E-1259

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- [Entity Addresses](#)
- [Entity Contacts](#)
- [Facilities](#)
- [Facility Contacts](#)
- [Reporting Years](#)
- [Verification Body](#)
- [Entity Documents](#)
- [Programs](#)

Facilities

	Facility Name	Facility Number	Operational Control	Begin Date	Programs
<input type="radio"/>	Puget Sound Marine Vessel Fleet	F-1350	Yes	09/10/2009	TCR Voluntary Registry
<input type="radio"/>	Fruit Juice Concentrator	F-1372	Yes	09/29/2009	TCR Voluntary Registry

- [Create New Facility](#)
- [Select Existing Facility](#)
- [End Facility Relationship](#)
- [Show History](#)

Facility Information

[Print](#) [Help](#)

Use this form to: 1) update facility details, 2) add or change facility contacts, 3) view entity relationships, 4) add or edit documents, 5) add or edit emitting activities, and 6) view emissions submissions for the current year and all previous reporting years. In each tab, use the buttons located under each grid to change the information displayed in the grid.

Facility Name Fruit Juice Concentrator

Facility Number F-1372

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[Entities](#)

Facility Details

Facility Name *

Facility Number F-1372

Facility Category Stationary Source (e.g., power plant, etc.)

Geographic Category Single State - U.S.

State/Province Washington

Sector (NAICS - First 2 digits)

Sector (NAICS)

Description

[Save](#) [Show Facility Name History](#)

Facility Information

Use this form to: 1) update facility details, 2) add or change facility contacts, 3) view entity relationships, 4) add or edit documents, 5) add or edit emitting activities, and 6) view emissions submissions for the current year and all previous reporting years. In each tab, use the buttons located under each grid to change the information displayed in the grid.

Facility Name Fruit Juice Concentrator

Facility Number F-1372

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 - [Emissions Submissions](#)
- [Entities](#)

Emitting Activities

Activity/Source	ID	Scope	Activity Type	Description	Program
Boiler (#6 Oil)	668	Stationary Combustion - Scope 1	Boilers (Industrial Sector Boilers)		TCR Voluntary Registry
Boiler (NG)	667	Stationary Combustion - Scope 1	Boilers (Natural Gas Boiler)		TCR Voluntary Registry

[Add](#)

Reporting

Step 1: Choose Emissions Year

Step 2: Choose Site

Step 3: Select Reporting Level

[Help](#)

Submission ID	252
Submission Status	Draft
<hr/>	
Reporting Year	2008

Facility Number	F-1372
Facility Name	Fruit Juice Concentrator
Program(s)	TCR Voluntary Registry

Reporting Level *

- Facility
- Emitting Activity

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[Continue](#)

Step 3a: Select Emitting Activity

[Help](#)

Select an activity by filling in the radio button next to it. Click Continue to move to Step 4. To add an activity that is not currently listed in the grid, use the Add Emitting Activity button.

Submission ID	252	Facility Number	F-1372
Submission Status	Draft	Facility Name	Fruit Juice Concentrator
Reporting Year	2008	Program(s)	TCR Voluntary Registry

	Emitting Activities	Scope	Activity Type	Emissions Reported	Parameters Reported	Program(s)
<input type="radio"/>	Boiler (#6 Oil)	Stationary Combustion - Scope 1	Boilers (Industrial Sector Boilers)	Yes	CH4 (Methane) CO2 (Carbon dioxide) N2O (Nitrous Oxide)	TCR Voluntary Registry
<input checked="" type="radio"/>	Boiler (NG)	Stationary Combustion - Scope 1	Boilers (Natural Gas Boiler)	Yes	CH4 (Methane) CO2 (Carbon dioxide) N2O (Nitrous Oxide)	TCR Voluntary Registry

[Back](#) [Add Emitting Activity](#) [Continue](#)

Step 4: Select GHG(s) and Reporting Method

Select the GHG(s) and Reporting Method for which you are ready to report. Click Continue to move to Step 5.

Submission ID: 252
 Submission Status: Draft
 Reporting Year: 2008

Facility Number: F-1372
 Facility Name: Fruit Juice Concentrator
 Program(s): TCR Voluntary Registry
 Emitting Activity: Boiler (NG)
 Scope: Stationary Combustion - Scope 1
 Activity Type: Boilers (Natural Gas Boiler)

Select Greenhouse Gases to Report

Greenhouse Gas	Reporting Method	Formula	Program(s)
<input checked="" type="checkbox"/> CH4 (Methane)	Calculation Tool (Quantity in units of energy: MMBtu)	$[Quantity] * [Emission\ Factor] / 1000000$	TCR Voluntary Registry
<input checked="" type="checkbox"/> CO2 (Carbon dioxide)	Calculation Tool (Quantity in units of energy: MMBtu)	$[Quantity] * [Emission\ Factor] * [Oxidation\ Factor] / 1000$	TCR Voluntary Registry
<input checked="" type="checkbox"/> N2O (Nitrous Oxide)	Select a Reporting Method		TCR Voluntary Registry
	Select a Reporting Method Calculation Tool (Quantity in units of energy: MMBtu) Calculation Tool (Quantity in units of energy: therms) Calculation Tool (Quantity in units of volume: standard cubic feet) Use Precalculated Values		

Step 5: Specify Activity Inputs and Calculate Emissions

[Help](#)

To calculate emissions on the page, first enter the required Activity Values. Click the Calculate button. Review the information on each tab. To enter pre-calculated values, click on the GHG tab for which to enter the data. Enter the Precalculated Value, select a Tier, and then click the Update button.

Click the Save Draft Emissions button to save the emissions records.

Submission ID 252

Submission Status Draft

Reporting Year 2008

Facility Number F-1372

Facility Name Fruit Juice Concentrator

Program(s) TCR Voluntary Registry

Emitting Activity Boiler (NG)

Scope Stationary Combustion - Scope 1

Activity Type Boilers (Natural Gas Boiler)

Enter Activity Values

Fuel Consumed *

Quantity *

Oxidation Factor

Calculate

CH4 (Methane)

- Natural Gas (1000 to 1,025 Btu / Std cubic foot)
- Natural Gas (1025 to 1,050 Btu / Std cubic foot)
- Natural Gas (1050 to 1,075 Btu / Std cubic foot)
- Natural Gas (1075 to 1,100 Btu / Std cubic foot)
- Natural Gas (975 to 1,000 Btu / Std cubic foot)
- Natural Gas (Greater than 1,100 Btu / Std cubic foot)
- Natural Gas (Unspecified (Weighted U.S. Average))**

Greenhouse Gas

CH4 (Methane)

Default Formula

$[Quantity] * [Emission Factor] / 1000000$

Do you wish to customize these values?

CH4 (Methane)

CO2 (Carbon dioxide)

N2O (Nitrous Oxide)

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Save Draft Emissions

Step 5: Specify Activity Inputs and Calculate Emissions

[Help](#)

To calculate emissions on the page, first enter the required Activity Values. Click the Calculate button. Review the information on each tab. To enter pre-calculated values, click on the GHG tab for which to enter the data. Enter the Precalculated Value, select a Tier, and then click the Update button.

Click the Save Draft Emissions button to save the emissions records.

Submission ID 252
Submission Status Draft
Reporting Year 2008

Facility Number F-1372
Facility Name Fruit Juice Concentrator
Program(s) TCR Voluntary Registry
Emitting Activity Boiler (NG)
Scope Stationary Combustion - Scope 1
Activity Type Boilers (Natural Gas Boiler)

Enter Activity Values

Fuel Consumed * Natural Gas (Unspecified (Weighted U.S. Average))
Quantity * 326105 MMBtu
Oxidation Factor 1

Calculate

CH4 (Methane) **CO2 (Carbon dioxide)** **N2O (Nitrous Oxide)**

Greenhouse Gas CO2 (Carbon dioxide)
Formula Note GRP v1.0 Tables 12.5-12.8
Default Formula $[326105 \text{ MMBtu}] * [53.06 \text{ kg CO}_2 / \text{MMBtu}] * [1] / 1000$
Default Total Emissions 17303.1313 metric tons
CO2e 17303.1313 CO2e metric tons
Do you wish to customize these values?

CH4 (Methane)	0.293495 metric tons = 6.163395 CO2e metric tons	Tier B
CO2 (Carbon dioxide)	17303.1313 metric tons = 17303.1313 CO2e metric tons	Tier C
N2O (Nitrous Oxide)	0.293495 metric tons = 90.98345 CO2e metric tons	Tier B

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Emissions Data Detail

	Reporting Method	Scope	Emitting Activity Name	Emitting Activity Number	Activity Type	Quantity	Fuel	Greenhouse Gas	Total Emissions	Emission Factor	Heat Content	De
<input type="radio"/>	Calculated	Stationary Combustion - Scope 1	Boiler (#6 Oil)	668	Boilers (Industrial Sector Boilers)	45153.00000 MMBtu	Residual Fuel Oil (#5 & 6)	CH4 (Methane)	0.135459 metric tons	3	6.287	
<input type="radio"/>	Calculated	Stationary Combustion - Scope 1	Boiler (#6 Oil)	668	Boilers (Industrial Sector Boilers)	45153.00000 MMBtu	Residual Fuel Oil (#5 & 6)	CO2 (Carbon dioxide)	3558.056400 metric tons	78.8	6.287	
<input type="radio"/>	Calculated	Stationary Combustion - Scope 1	Boiler (#6 Oil)	668	Boilers (Industrial Sector Boilers)	45153.00000 MMBtu	Residual Fuel Oil (#5 & 6)	N2O (Nitrous Oxide)	0.013546 metric tons	0.3	6.287	
<input type="radio"/>	Calculated	Stationary Combustion - Scope 1	Boiler (NG)	667	Boilers (Natural Gas Boiler)	326105.00000 MMBtu	Natural Gas (Unspecified (Weighted U.S. Average))	CH4 (Methane)	0.293495 metric tons	0.9	1029	
<input type="radio"/>	Calculated	Stationary Combustion - Scope 1	Boiler (NG)	667	Boilers (Natural Gas Boiler)	326105.00000 MMBtu	Natural Gas (Unspecified (Weighted U.S. Average))	CO2 (Carbon dioxide)	17303.131300 metric tons	53.06	1029	
<input type="radio"/>	Calculated	Stationary Combustion - Scope 1	Boiler (NG)	667	Boilers (Natural Gas Boiler)	326105.00000 MMBtu	Natural Gas (Unspecified (Weighted U.S. Average))	N2O (Nitrous Oxide)	0.293495 metric tons	0.9	1029	

Supporting Documentation

Document Name	Document Description	Document Type	Date Added
No supporting documents.			

Change Emissions Data Status:

Change TCR Voluntary Registry Submission Status to "Certification Ready"

Reports

We anticipate data will be available in 2009. Please click on one of the links below to view a sample entity emissions report.

[Sample Entity Emissions Summary Report](#)

[Sample Entity Emissions Detailed Report](#)

Use this page to search for Reporters' annual emission reports. These reports will describe Reporters' annual entity and facility-level emissions.

To begin, use the Report Type selection to choose the type of report you would like to view. Next, use the selection options that appear on the page to choose the criteria for the report. You can choose a Reporter (i.e., entity) and/or facility, the geographic area (i.e., Worldwide, North America, National, or specific State/Province emissions), and the reporting year. Next, choose a report format (e.g. PDF, Excel or CSV), and click the Generate Report button.

To view public documents for an entity or facility, click on the View Detailed Information button.

Choose Report Type

Report Type	Entity Emissions Summary (Private) ▼
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Select Entity

Select Entity	Select Entity	Company X
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Select Geographic Area

Geographic Category	Single State - U.S. ▼
State/Province	Washington ▼

Select Reporting Year and Format

Reporting Years	2008 ▼
Report Format	PDF ▼

Generate Report **View Detailed Information** **Cancel**



Climate Change

global warming

Questions?