Subpart V - Inputs Form

Subpart V Inputs Form

Please see Reporting Form Instructions on downloading the blank inputs form and uploading the completed inputs form.

The equation inputs for Subpart V are listed below. Enter the inputs on the appropriate tab(s) in the inputs form and save the file to your computer.

Subpart V - Nitric Acid Train Inputs

Fill out the nitric acid train inputs table.

- Facility Name
- GHGRP ID
- Reporting Period
- Comments (optional)
- Nitric Acid Train ID from Reporting Form
- Annual nitric acid produced from nitric acid train (tons acid produced, 100% acid basis)
- Equations used to calculate emissions for the production unit

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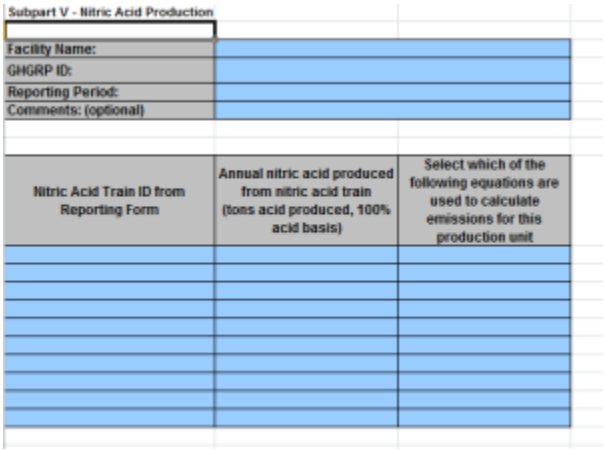
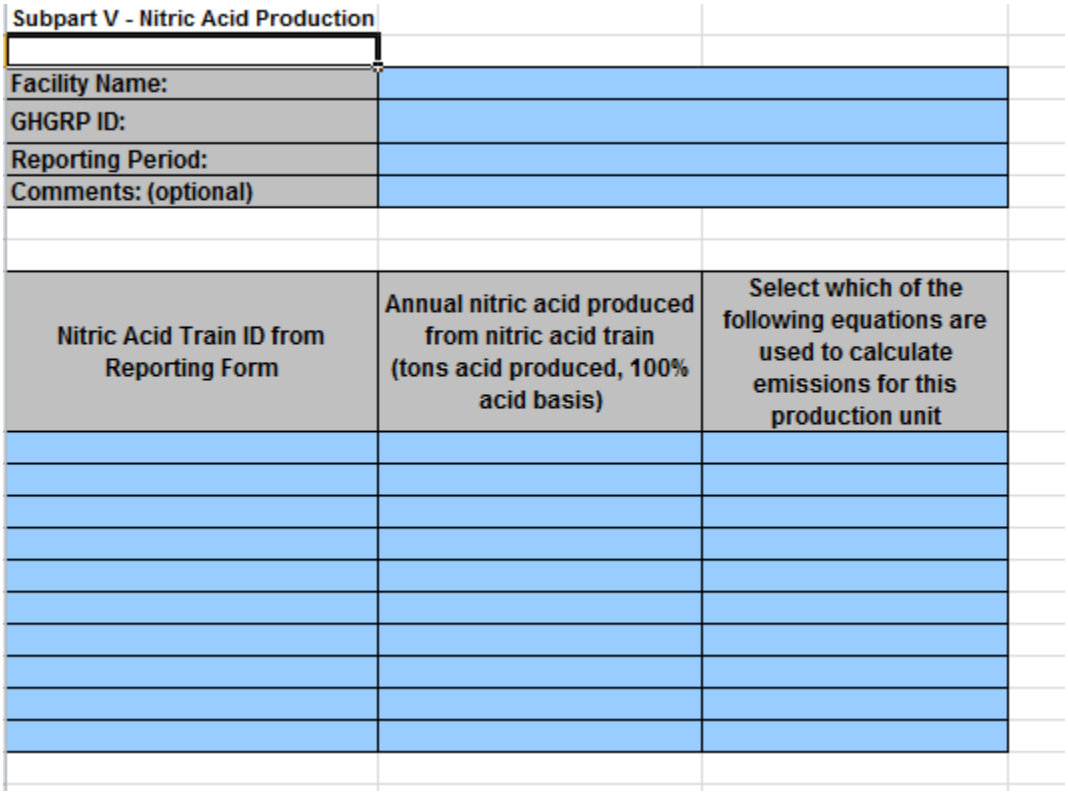


Subpart V - Nitric Acid Production		
Facility Name:		
GHGRP ID:		
Reporting Period:		
Comments: (optional)		
Nitric Acid Train ID from Reporting Form	Annual nitric acid produced from nitric acid train (tons acid produced, 100% acid basis)	Select which of the following equations are used to calculate emissions for this production unit



Subpart V - Nitric Acid Production		
Facility Name:		
GHGRP ID:		
Reporting Period:		
Comments: (optional)		
Nitric Acid Train ID from Reporting Form	Annual nitric acid produced from nitric acid train (tons acid produced, 100% acid basis)	Select which of the following equations are used to calculate emissions for this production unit

Subpart V - Equation V-1 Inputs

Fill out the Equation V-1 inputs table.

- Train Level Inputs
  - Nitric Acid Train ID
  - Number of test runs
  - Average facility-specific N_2O emissions factor for the unit (lb N_2O generated/per ton nitric acid produced, 100 percent acid basis)

- Test Run Inputs
  - Nitric Acid Train ID
  - Test Run Number
  - N_2O concentration per test run during the performance test (ppm N_2O)
  - Volumetric flow rate of effluent gas per test run during the performance test (dscf/hr)
  - Production rate per test run during the performance test (ton nitric acid produced per hour, 100 percent acid basis)
  - N_2O emission factor (lb N_2O generated/ton nitric acid produced, 100 percent acid basis)

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Train Level Inputs

Nitric Acid Train ID	Number of test runs	Average facility-specific N2O emissions factor for the unit (lb N2O generated/ton nitric acid produced, 100 percent acid basis)

Test Run Inputs

Nitric Acid Train ID	Test Run Number	N2O concentration per test run during the performance test (ppm N2O)	Volumetric flow rate of effluent gas per test run during the performance test (dscf/hr)	Production rate per test run during the performance test (ton nitric acid produced per hour, 100 percent acid basis)	N2O emissions factor (lb N2O generated/ton nitric acid produced, 100 percent acid basis)

Subpart V - Equation V-2 Inputs

Fill out the Equation V-2 inputs table.

- Nitric Acid Train Id
- N_2O abatement technology Name or ID
- N_2O abatement technology description

- Annual nitric acid production from nitric train during which N_2O abatement technology was operational (tons acid produced, 100 percent acid basis)
- Annual nitric acid produced from nitric acid train (tons acid produced, 100% acid basis)
- Abatement utilization factor of N_2O abatement technology at nitric acid train (decimal fraction oa annual production that abatement technology is operating)

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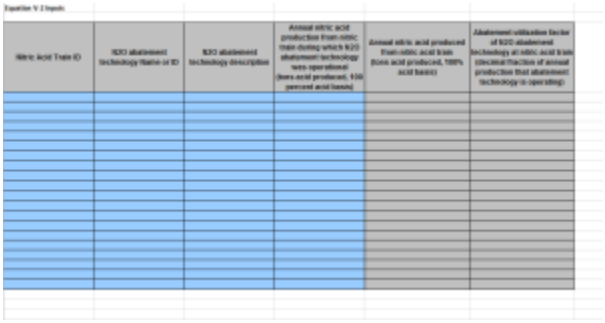

Equation V-2 Inputs

Nitric Acid Train ID	N2O abatement technology Name or ID	N2O abatement technology description	Annual nitric acid production from nitric train during which N2O abatement technology was operational (tons acid produced, 100 percent acid basis)	Annual nitric acid produced from nitric acid train (tons acid produced, 100% acid basis)	Abatement utilization factor of N2O abatement technology at nitric acid train (decimal fraction of annual production that abatement technology is operating)

Subpart V - Equation V-3a Inputs

Fill out the Equation V-3a inputs table.

- Nitric Acid Train ID
- Destruction efficiency of N_2O abatement technology that is used on nitric acid train (decimal fraction of N_2O removed from vent stream)
- Annual nitric acid produced from nitric acid train (tons acid produced, 100% acid basis)
- Average site-specific N_2O emissions factor for nitric acid train (lb N_2O/ton acid produced, 100% acid basis)
- Abatement utilization factor of N_2O abatement technology for nitric acid train (decimal fraction of annual production during which abatement technology is operation)
- Annual N_2O mass emissions from nitric acid train according to Equation V-3a (metric tons)

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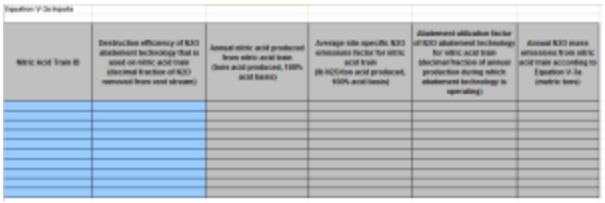

Equation V-3a Inputs					
Nitric Acid Train ID	Destruction efficiency of N2O abatement technology that is used on nitric acid train (decimal fraction of N2O removed from vent stream)	Annual nitric acid produced from nitric acid train (tons acid produced, 100% acid basis)	Average site-specific N2O emissions factor for nitric acid train (lb N2O/ton acid produced, 100% acid basis)	Abatement utilization factor of N2O abatement technology for nitric acid train (decimal fraction of annual production during which abatement technology is operating)	Annual N2O mass emissions from nitric acid train according to Equation V-3a (metric tons)

Subpart V - Equation V-3b Inputs

Fill out the Equation V-3b inputs table.

- Train Level Inputs
  - Nitric Acid Train Id
  - Annual nitric acid produced from nitric acid train (ton acid produced, 100% acid basis)
  - N_2O emissions factor for nitric acid train (lb N_2O/ton acid produced, 100% acid basis)
  - Annual N_2O mass emissions from nitric acid train according to Equation V-3b (metric tons)

- Technology Level Inputs
  - Nitric Acid Train ID
  - N_2O abatement technology Name or ID
  - Destruction efficiency of N_2O abatement technology (decimal fraction of N_2O removed from vent stream)
  - Abatement utilization factor of N_2O abatement technology (decimal fraction of time that abatement technology n is operating)
  - Percent N_2O not removed from vent stream (decimal fraction)

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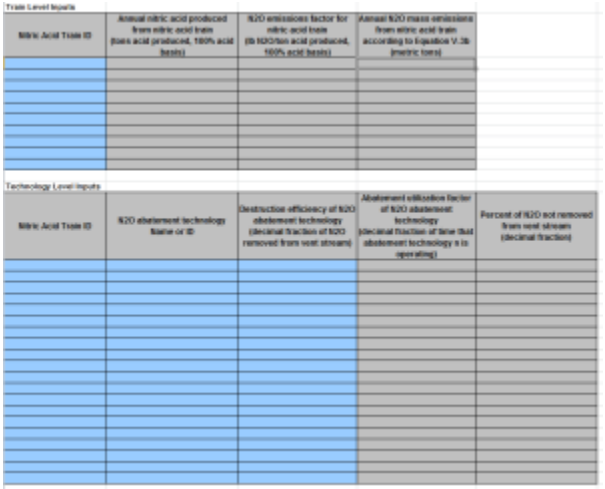

Train Level Inputs

Nitric Acid Train ID	Annual nitric acid produced from nitric acid train (tons acid produced, 100% acid basis)	N2O emissions factor for nitric acid train (lb N2O/ton acid produced, 100% acid basis)	Annual N2O mass emissions from nitric acid train according to Equation V-3b (metric tons)

Technology Level Inputs

Nitric Acid Train ID	N2O abatement technology Name or ID	Destruction efficiency of N2O abatement technology (decimal fraction of N2O removed from vent stream)	Abatement utilization factor of N2O abatement technology (decimal fraction of time that abatement technology n is operating)	Percent of N2O not removed from vent stream (decimal fraction)

Subpart V - Equation V-3c Inputs

Fill out the Equation V-3c inputs table.

- Train Level Inputs
  - Nitric Acid Train ID
  - Annual nitric acid produced from nitric acid train (tons acid produced, 100% acid basis)
  - N_2O emissions factor for nitric acid train (lb N_2O/ton acid produced, 100% acid basis)
  - Annual N_2O mass emissions from nitric acid train according to Equation V-3c (metric tons)

- Technology Level Inputs
  - Nitric Acid Train ID
  - N_2O abatement technology Name or ID
  - Destruction efficiency of N_2O abatement technology (decimal fraction of N_2O removed from vent stream)
  - Fractional control of N_2O abatement technology (decimal fraction of total emissions from nitric acid train "t" that are sent to abatement technology "n"
  - Abatement utilization factor of N_2O abatement technology (decimal fraction of time that abatement technology n is operating)
  - Percent of N_2O not removed from vent stream (decimal fraction)

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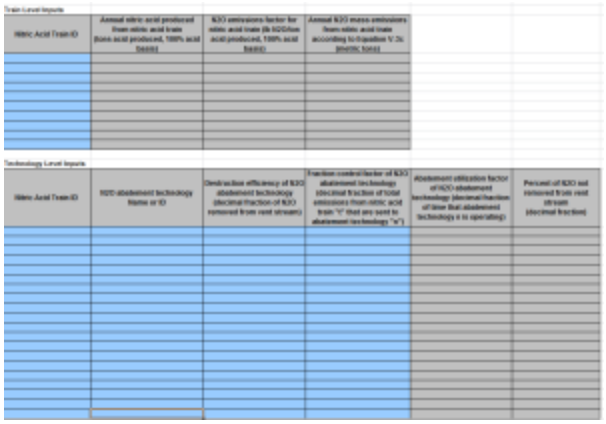

Train Level Inputs

Nitric Acid Train ID	Annual nitric acid produced from nitric acid train (tons acid produced, 100% acid basis)	N2O emissions factor for nitric acid train (lb N2O/ton acid produced, 100% acid basis)	Annual N2O mass emissions from nitric acid train according to Equation V-3c (metric tons)

Technology Level Inputs

Nitric Acid Train ID	N2O abatement technology Name or ID	Destruction efficiency of N2O abatement technology (decimal fraction of N2O removed from vent stream)	Fraction control factor of N2O abatement technology (decimal fraction of total emissions from nitric acid train "t" that are sent to abatement technology "n")	Abatement utilization factor of N2O abatement technology (decimal fraction of time that abatement technology n is operating)	Percent of N2O not removed from vent stream (decimal fraction)

Subpart V - Equation V-3d Inputs

Fill out the Equation V-3d inputs table.

- Nitric Acid Train ID
- Annual nitric acid produced from nitric acid train (tons acid produced, 100% acid basis)
- Average site-specific N_2O emissions factor for nitric acid train (lb N_2O/ton acid produced, 100% acid basis)
- Annual N_2O mass emissions from nitric acid train according to Equation V-3d (metric tons)

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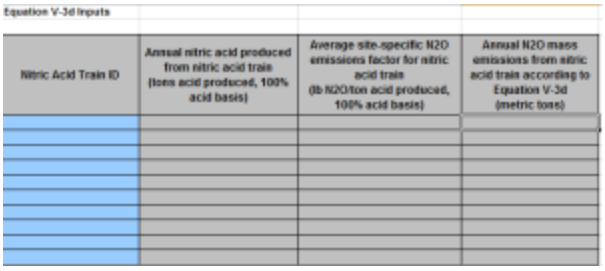

Equation V-3d Inputs

Nitric Acid Train ID	Annual nitric acid produced from nitric acid train (tons acid produced, 100% acid basis)	Average site-specific N2O emissions factor for nitric acid train (lb N2O/ton acid produced, 100% acid basis)	Annual N2O mass emissions from nitric acid train according to Equation V-3d (metric tons)

Equation V-3d Inputs

Nitric Acid Train ID	Annual nitric acid produced from nitric acid train (tons acid produced, 100% acid basis)	Average site-specific N2O emissions factor for nitric acid train (lb N2O/ton acid produced, 100% acid basis)	Annual N2O mass emissions from nitric acid train according to Equation V-3d (metric tons)

Also See

Using e-GGRT to Prepare your Subpart V Report

- Subpart V Reporting Form - Facility Details Tab
- Subpart V Reporting Form - Nitric Acid Train Information Tab
- Subpart V - Inputs Form
- Reporting Forms
- Submitting an Administrator-approved Alternate Method for Subpart V
- Subpart V Rule Resources
- Subpart V Rule Language (eCFR)