CSAT Top-Screen

Questions

January 2009

Version 2.8

Homeland Security

Change Log

Version 2.7.a ->Version 2.8

- Changed version number to 2.8
- Added CVI Authorizing Statements
- Added “in transportation packaging” to questions [Q:5.0-714], [Q:6.0-715], and [Q:7.0-721] such that they all read:
  The list above has been reviewed and all chemicals of interest that the facility either currently possesses or possessed within the past 60 days at or above the screening threshold quantity in transportation packaging have been indicated by selecting "Yes."

Version 2.5.a -> Version 2.7.a

- Changed version number to 2.7.a
- Changed date on cover page to November 2008
- Updated table of contents
- Removed Facility Information pages (added to Update Facility Info page)
- Added Flammable **Fuels:** Gasoline aboveground storage questions
- Reformatted Flammable cavern/non-cavern questions

Version 2.0.a -> Version 2.5.a

- Changed version number to 2.5.a
- Updated table of contents
- Added Toxic UG storage type and containment questions and associated guidance
- Removed Release Flammable questions referring to Methane only
- Added Flammable UG storage category questions and associated guidance
- Changed Methane cavern questions to cavern/non-cavern type containment for any UG Flammable COI

Version 2.0 -> Version 2.0.a

- Changed version number to 2.0.a
- Changed date on cover page to June 2008
- Updated table of contents
- Added “Change Log” page
- Changed point of contact to Dennis Deziel
- Changed Chemical Security Compliance Division to Infrastructure Security Compliance Division
- Changed PRA Expiration date to 5/31/2011

CVI Authorizing Statements

Please read the following information and check the boxes to indicate that you understand and accept these requirements. Additional guidance about Chemical-terrorism Vulnerability Information (CVI), as well as specific training to become a CVI Authorized User, can be found on www.dhs.gov/chemicalsecurity.

☐ I understand that by completing this agreement I will have access to Top-Screen related information which is considered CVI under Section 550 of Public Law 109-295 and 6 CFR § 27.400. This information is exempt from release under the Freedom of Information Act (5 U.S.C. §§ 552, et seq.) and State and local disclosure laws. Except under exigent or emergency circumstances, no part of this CVI may be disclosed to other persons unless they are CVI Authorized Users and have a "need to know," as defined in 6 CFR § 27.400(e). Unauthorized release may result in a civil penalty or other action.

☐ As a chemical facility representative, I acknowledge that I may only share CVI with CVI Authorized Users with a need to know, except under exigent or emergency circumstances.

Marking: Ensure documents containing CVI are properly marked on the top and bottom of each page. (See 6 CFR § 27.400(f)). Affix a CVI cover page to the front and back of all documents containing CVI.

Storage: When not in your possession, store CVI in a secure container such as in a locked desk drawer or locked container. Unless in an area authorized for open storage of classified material, do not leave the CVI document unattended. Computers and other media used to handle, store or transmit material containing CVI should be protected to prevent unauthorized access or disclosure.

Transmission: You may transmit CVI by the following means to a CVI Authorized User with a need to know.

Hand Delivery: You may hand carry CVI as long as access to the material is controlled while in transit.

Email: If practical and available, encryption should be used to send CVI by email. If encryption is not practical or available, send CVI as an encrypted attachment or password protected attachment and provide the password under separate cover. Do not include CVI in the subject line or body of an email. Do not send CVI to personal, non-employment related email accounts.

Mail: CVI may be transmitted by USPS First Class mail or a commercial equivalent. The CVI should be placed under an appropriate cover sheet or in an envelope or container, and then placed in an outer, opaque envelope or container that has no marking on it to identify the contents as CVI. The outer envelope or container must bear the complete name and address of the sender and the addressee who must be an Authorized User with a need to know. The outer envelope must bear the following statement below the return address: "POSTMASTER: DO NOT FORWARD: RETURN TO SENDER."

Fax:	Secure faxes are encouraged, but not required, for sending CVI. When sending via non-secure fax, coordinate with the recipient, who must be an Authorized User with a need to know, to ensure that the faxed materials will not be left unattended or subjected to unauthorized disclosure on the receiving end.
Telephone:	A Secure Telephone Unit/Equipment is encouraged, but not required, for verbal transmission of CVI to a CVI Authorized User with a need to know. Use cellular or cordless phones to discuss CVI only in exigent circumstances or if the transmission is encoded or otherwise protected.
Destruction:	Destruction of CVI should occur when the CVI is no longer needed. Destruction must be in compliance with in 6 CFR § 27.400(k) and consistent with 6 CFR § 27.255(b).
Derivative Products:	Mark any newly created document containing CVI with "Chemical-terrorism Vulnerability Information" on the top and bottom of each page that contains CVI. Mark "(CVI)" beside each paragraph containing CVI. Place a copy of a CVI cover page over all newly created documents containing CVI.

☐ I agree to abide by the above requirements and understand that this agreement only authorizes access to CVI created by the preparation and submission of the CSAT Top-Screen. Access to other CVI will require meeting additional criteria as specified by the Department of Homeland Security.

If you do not accept these requirements, please logoff now by closing your browser.

General

The Department of Homeland Security will use the information you provide in this Top-Screen/Chemical Security Assessment Tool to determine whether particular facilities present a high level of security risk. Your provision of accurate information in this Top-Screen is critical to enabling the Department to make well informed decisions designed to reduce the Nation's risk.

The Department will base its determinations, in part, upon the information provided in this Top-Screen/Chemical Security Assessment Tool. The information provided in the Top-Screen/Chemical Security Assessment Tool will not, therefore, be the sole or definitive basis upon which the Department will categorize facilities as presenting a high level of security risk.

In the first part of the Top-Screen/Chemical Security Assessment Tool, the Department seeks information concerning the presence and amounts of certain chemicals. The presence or amount of a particular chemical is not the sole factor in determining whether a facility presents a high level of security risk. This information informs the subsequent parts of the Departments assessment. The Department will use its best judgment and all available information in determining whether a facility presents a high level of security risk.

Paperwork Burden Notice:

The public reporting burden for this form is estimated to be 30.3 hours. The burden estimate includes time for reviewing instructions, researching existing data sources, gathering and maintaining the needed data, and completing and submitting the form. Send comments regarding the accuracy of the burden estimate and any suggestions for reducing the burden to: NPPD/OIP/Infrastructure Security Compliance Division, Attention: Dennis Deziel, Project Manager, U.S. Department of Homeland Security, Mail Stop 8100, Washington, DC 20528-8100.

(Paperwork Reduction Project (1670-0007)). Your response is mandatory according to Public Law 109- 295 Section 550. You are not required to respond to this collection of information unless a valid OMB control number is displayed in the upper right corner of this form. NOTE: DO NOT send your completed form to this address.

Submission Statement:

My statements in this submission are true, complete, and correct to the best of my knowledge and belief and are made in good faith. I understand that a knowing and willful false statement on this form can be punished by fine or imprisonment or both. (See section 1001 of title 18, United States Code).

Facility Description

Choose the facility type that best describes your facility
[Q:1.1-65]

- ○ Chemical manufacturing, usage, storage, and distribution
- ○ Petroleum refining
- ○ Liquefied natural gas storage

Facility Regulatory Mandates

Is the facility regulated pursuant to the Maritime Transportation Security Act of 2002, Public Law 107-295, as amended?
[Q:1.3-85]

- ○ Yes, the facility is regulated pursuant to MTSA.
- ○ No, the facility is not regulated pursuant to MTSA
- ○ Partially: The site includes both a facility regulated pursuant to MTSA and a facility not regulated pursuant to MTSA.

▲ If the site includes both a facility regulated pursuant to the Maritime Transportation Security Act of 2002, Public Law 107-295, as amended, and a facility not regulated pursuant to the Maritime Transportation Security Act, select "Partially" and continue to fill out the screen for the facility not subject to the Maritime Transportation Security Act.

Is the facility a Public Water Systems, as defined by section 1401 of the Safe Drinking Act, Public Law 93-523, as amended?
[Q:1.3-86]

- ○ Yes, the facility is a Public Water System.
- ○ No, the facility is not a Public Water System.
- ○ Partially: the facility contains a Public Water System regulated under the Safe Drinking Water Act, but also contains components that are not so regulated.

▲ If the facility contains a Public Water System as defined by the Safe Drinking Water Act, but also contains components that are not covered by that definition, select "Partially" and continue to fill out the screen for the portion of the facility not so defined under the Safe Drinking Water Act.

Is the facility regulated as a Treatment Works as defined in section 212 of the Federal Water Pollution Control Act, Public Law 92-500, as amended?
[Q:1.3-87]

- ○ Yes, the facility is regulated as a Treatment Works.
- ○ No, the facility is not regulated as a Treatment Works.
- ○ Partially: the site contains Treatment Works regulated under the Federal Water Pollution Control Act, but also contains a facility or portion of a facility not so regulated.

▲ If the facility contains a Treatment Works as defined by the Federal Water Pollution Control Act, but also contains components that are not covered by that definition, select "Partially" and continue to fill out the screen for the portion of the facility not so defined under the Federal Water Pollution Control Act.

Is the facility owned or operated by the Department of Defense?
[Q:1.3-88]

- ○ Yes
- ○ No

▲ For further information or discussion of this type of exemption, please refer to the Interim Final Rule.

Is the facility owned or operated by the Department of Energy?
[Q:1.3-89]

- ○ Yes
- ○ No

▲ For further information or discussion of this type of exemption, please refer to the Interim Final Rule.

Is the facility subject to regulation by the Nuclear Regulatory Commission?
[Q:1.3-90]

- ○ Yes
- ○ No

▲ For further information or discussion of this type of exemption, please refer to the Interim Final Rule.

EPA RMP Facility Identifier

Does the facility operate any EPA RMP covered process(es) - Program 1, 2, or 3?
[Q:1.41-395]

- ○ Yes
- ○ No

▲ Program 1, 2, and 3 processes are those determined under RMP. See 40 CFR 68.10(b), (c), and (d), or Chapter 2 or EPA's General Guidance for Risk Management Programs (40 CFR 68). http://www.epa.gov/emergencies/content/rmp/index.htm

If the answer to question [Q:1.1-65]*, "Choose the facility type that best describes your facility" is Refinery, fill in Refinery Capacity, Refinery Market Share, Airport Fuels Supplier, and Military Installation Supplier fields.*

If the answer to question [Q:1.1-65] *, "Choose the facility type that best describes your facility" is Liquefied Natural Gas Storage, fill in Liquefied Natural Gas Capacity and Liquefied Natural Gas Exclusion Zone fields*

If facility is a chemical facility, go to Release of Toxics (page 14)

Refinery Capacity

Enter the production capacity of the refinery in barrels per day. The production capacity, also known as the nameplate capacity, is the product output under conditions optimized for maximum quantity for the production facility, as demonstrated by one or more test-runs. Do not use commas when entering the numbers.

Typical Operating Capacity (bpd)
[Q:1.5-386]

Enter the design capacity, or theoretically calculated product output, of the refinery in barrels per day. The design capacity of an operable petroleum refinery is expressed in terms of barrels per day of crude capacity, cracking capacity, desulphurization, or amounts of products by grade. Do not use commas when entering the numbers.

Maximum Design Capacity (bpd)
[Q:1.5-387]

For each of the potential refinery crude sources (e.g., ship, pipeline, strategic petroleum reserve (SPR), rail, and truck) enter the typical contribution as a percentage of the total barrels per day.

Crude % by Ship/Barge
[Q:1.5-388]

Crude % by Pipeline
[Q:1.5-389]

Crude % by SPR
[Q:1.5-390]

Crude % by Rail
[Q:1.5-391]

Crude % by Truck
[Q:1.5-392]

Refinery Market Share

Enter the regional market shares (%) for each fuel type and description of state/region supplied. (Gasoline, Diesel, Jet Fuel/Kerosene, LPG, Home Heating Oil). State/region supplied can include the states or areas of the US where the refinery's products are sold.

Fuel Type	Regional Market Share (%)	State/Region Supplied
Gasoline [Q:1.51-655]		
Diesel [Q:1.51-657]		
Jet Fuel/Kerosene [Q:1.51-659]		
LPG [Q:1.51-661]		
Home Heating Oil [Q:1.51-663]		

Airport Fuels Supplier

Is the refinery a direct supplier to a major metropolitan airport?
[Q:1.52-374]

- ○ Yes
- ○ No

If "Yes", fill in Airport(s)

Enter the name of each airport supplied by this refinery. For each airport, enter the

Airport Name [Q:1.53-375]	% Share of Aviation Gasoline [Q:1.53-376]	% Share of Jet Fuel/Kerosene [Q:1.53-378]

Military Installation Supplier

Is the refinery a direct supplier to a military installation (products shipped from refinery to the installation)?
[Q:1.54-380]

- ○ Yes
- ○ No

If "Yes", fill in Installation(s) and Product(s)

Military Installation and Products

Enter each military installation supplied by the refinery. Enter the refinery's share (0% to 100%) of total deliveries of Gasoline, Diesel, and Aviation Fuel to the installation.

Military Installation [Q:1.55-381]	% Share of Gasoline [Q:1.55-382]	% Share of Diesel [Q:1.55-383]	% Share of Jet Fuel/Kerosene [Q:1.55-384]

Go to Release Toxics (page 14)

Liquefied Natural Gas (LNG) Capacity

Enter the total LNG storage capacity for the facility (in cubic meters).
[Q:1.6-618]

▲ If there are multiple LNG storage tanks onsite the capacity reported is the total storage capacity of all LNG tanks.

Enter the regasification rate (billion cubic feet (Bcf) per day).
[Q:1.6-619]

▲ Regasification rate should be the annual average reported in Bcf per day.

Enter the name of the natural gas pipeline system the facility feeds.
[Q:1.6-620]

▲ The name of the natural gas pipeline system should be the name of the main tie-in point from this facility.

Liquefied Natural Gas Exclusion Zone

Indicate if this facility was sited according to the 49 CFR 193 exclusion zone requirements for thermal radiation and flammable vapor dispersion.
[Q:1.92-667]

- ○ Yes
- ○ No

▲ 49 CFR 193 incorporates NFPA 59A by reference. As defined in NFPA 59A, the siting requirements are provisions to minimize the possibility of the damaging effects of fire reaching beyond a property line. Refer to the downloadable guidance on the DHS website for the specific requirements.

If "No", provide a reason why the facility was exempted.

Liquefied Natural Gas Exclusion Zone Exception

Provide the reason why the facility was exempted from this regulation.
[Q:1.91-669]

Liquefied Natural Gas Exclusion Details

Provide the distance (in feet) of the 5kW/m2 thermal radiation zone using the 49 CFR 193 siting requirements.
[Q:1.93-670]

Feet

Provide the distance (in feet) to half the Lower Flammability Limit (1/2 LFL) using the 49 CFR 193 siting requirements.
[Q:1.93-671]

Feet

Go to Release Toxics (page 14)

Release Toxics

Release Toxic Chemicals of Interest

The presence or amount of a particular chemical is not the sole factor in determining whether a facility presents a high level of security risk. This information informs the subsequent parts of the Department's assessment. The Department will use its best judgment and all available information in determining whether a facility presents a high level of security risk.

Do you manufacture, process, use, store, or distribute any of the following release toxic chemicals of interest (COI) at or above the screening threshold quantity at your facility?

Check "Yes" if the facility either currently possesses or possessed within the past 60 days the COI at or above the screening threshold quantity.

(The default settings on this list indicate that the chemicals are NOT currently present on site nor have been onsite within the past 60 days. At the end of the list, you must indicate that these settings have been changed as applicable to the facility.)

These chemicals were determined by the US Department of Homeland Security to be a potential security risk at "high risk chemical facilities" as defined in Section 550 the Department of Homeland Security Act of 2007. A facility should indicate which COI it either currently possesses or possessed within the past 60 days at or above the screening threshold quantity.

If "No" selected for all chemicals, go to Release Flammables (page 44)

[Q:2.0-121]

Chemical Name	CAS#	Min. Conc.	Screening Threshold Quantity	Do you manufacture, process, use, store, or distribute any of the following release toxic chemicals of interest (COI) at or above the screening threshold quantity at your facility?	
				Yes	No
Acrolein [2-Propenal or Acrylaldehyde]	107-02-8	1.00%	5,000 lbs	○	○
Allyl alcohol [2-Propen-1-ol]	107-18-6	1.00%	15,000 lbs	○	○
Ammonia (anhydrous)	7664-41-7	1.00%	10,000 lbs	○	○
Ammonia (conc. 20% or greater)	7664-41-7	20.00%	20,000 lbs	○	○
Arsenic trichloride [Arsenous trichloride]	7784-34-1	1.00%	15,000 lbs	○	○
Arsine	7784-42-1	1.00%	1,000 lbs	○	○
Boron trichloride [Borane, trichloro]	10294-34-5	1.00%	5,000 lbs	○	○
Boron trifluoride [Borane, trifluoro]	7637-07-2	1.00%	5,000 lbs	○	○
Boron trifluoride compound with methyl ether (1:1) [Boron, trifluoro [oxybis (methane)]-, T-4-]	353-42-4	1.00%	15,000 lbs	○	○
Bromine	7726-95-6	1.00%	10,000 lbs	○	○
Carbon disulfide	75-15-0	1.00%	20,000 lbs	○	○

Chemical Name	CAS#	Min. Conc.	Screening Threshold Quantity	Do you manufacture, process, use, store, or distribute any of the following release toxic chemicals of interest (COI) at or above the screening threshold quantity at your facility?	
				Yes	No
Chlorine	7782-50-5	1.00%	2,500 lbs	○	○
Chlorine dioxide [Chlorine oxide, ClO_2]	10049-04-4	1.00%	1,000 lbs	○	○
Chloroform [Methane, trichloro-]	67-66-3	1.00%	20,000 lbs	○	○
Chloromethyl ether [Methane, oxybis(chloro-)]	542-88-1	1.00%	1,000 lbs	○	○
Chloromethyl methyl ether [Methane, chloromethoxy-]	107-30-2	1.00%	5,000 lbs	○	○
Cyanogen chloride	506-77-4	1.00%	10,000 lbs	○	○
Cyclohexylamine [Cyclohexanamine]	108-91-8	1.00%	15,000 lbs	○	○
Diborane	19287-45-7	1.00%	2,500 lbs	○	○
Epichlorohydrin [Oxirane, (chloromethyl)-]	106-89-8	1.00%	20,000 lbs	○	○
Ethylenediamine [1,2-Ethanediamine]	107-15-3	1.00%	20,000 lbs	○	○
Fluorine	7782-41-4	1.00%	1,000 lbs	○	○

Chemical Name	CAS#	Min. Conc.	Screening Threshold Quantity	Do you manufacture, process, use, store, or distribute any of the following release toxic chemicals of interest (COI) at or above the screening threshold quantity at your facility?	
				Yes	No
Formaldehyde (solution)	50-00-0	1.00%	15,000 lbs	○	○
Hydrochloric acid (conc. 37% or greater)	7647-01-0	37.00%	15,000 lbs	○	○
Hydrocyanic acid	74-90-8	1.00%	2,500 lbs	○	○
Hydrofluoric acid (conc. 50% or greater)	7664-39-3	50.00%	1,000 lbs	○	○
Hydrogen chloride (anhydrous)	7647-01-0	1.00%	5,000 lbs	○	○
Hydrogen fluoride (anhydrous)	7664-39-3	1.00%	1,000 lbs	○	○
Hydrogen sulfide	7783-06-4	1.00%	10,000 lbs	○	○
Isobutyronitrile [Propanenitrile, 2-methyl-]	78-82-0	1.00%	20,000 lbs	○	○
Isopropyl chloroformate [Carbonochloridic acid, 1-methylethyl ester]	108-23-6	1.00%	15,000 lbs	○	○
Methacrylonitrile [2-Propenenitrile, 2-methyl-]	126-98-7	1.00%	10,000 lbs	○	○
Methyl hydrazine [Hydrazine, methyl-]	60-34-4	1.00%	15,000 lbs	○	○
Methyl isocyanate [Methane, isocyanato-]	624-83-9	1.00%	10,000 lbs	○	○

Chemical Name	CAS#	Min. Conc.	Screening Threshold Quantity	Do you manufacture, process, use, store, or distribute any of the following release toxic chemicals of interest (COI) at or above the screening threshold quantity at your facility?	
				Yes	No
Methyl thiocyanate [Thiocyanic acid, methyl ester]	556-64-9	1.00%	20,000 lbs	○	○
Nitric acid	7697-37-2	80.00%	15,000 lbs	○	○
Nitric oxide [Nitrogen oxide (NO)]	10102-43-9	1.00%	10,000 lbs	○	○
Oleum (Fuming Sulfuric acid) [Sulfuric acid, mixture with sulfur trioxide]	8014-95-7	1.00%	10,000 lbs	○	○
Perchloromethylmercaptan [Methanesulfenyl chloride, trichloro-]	594-42-3	1.00%	10,000 lbs	○	○
Phosgene [Carbonic dichloride] or [carbonyl dichloride]	75-44-5	1.00%	500 lbs	○	○
Phosphorus oxychloride [Phosphoryl chloride]	10025-87-3	1.00%	5,000 lbs	○	○
Phosphorus trichloride	7719-12-2	1.00%	15,000 lbs	○	○
Propionitrile [Propanenitrile]	107-12-0	1.00%	10,000 lbs	○	○
Propyleneimine [Aziridine, 2-methyl-]	75-55-8	1.00%	10,000 lbs	○	○
Sulfur dioxide (anhydrous)	7446-09-5	1.00%	5,000 lbs	○	○

Chemical Name	CAS#	Min. Conc.	Screening Threshold Quantity	Do you manufacture, process, use, store, or distribute any of the following release toxic chemicals of interest (COI) at or above the screening threshold quantity at your facility?	
				Yes	No
Sulfur tetrafluoride [Sulfur fluoride (SF_4), (T-4)-]	7783-60-0	1.00%	2,500 lbs	○	○
Sulfur trioxide	7446-11-9	1.00%	10,000 lbs	○	○
Tetramethyllead [Plumbane, tetramethyl-]	75-74-1	1.00%	10,000 lbs	○	○
Titanium tetrachloride [Titanium chloride ($TiCl_4$) (T-4)-]	7550-45-0	1.00%	2,500 lbs	○	○

The list above has been reviewed and all chemicals of interest that the facility either currently possesses or possessed within the past 60 days at or above the screening threshold quantity have been indicated by selecting "Yes."
[Q:2.0-631]

○ Yes

○ No

Release Toxic Chemicals of Interest - Detail

Indicate the topography used in the RMP*Comp calculation for the area where the facility is located.
[Q:2.1-122]

- ○ Urban
- ○ Rural

▲ If this facility is covered by EPA RMP, the selection should be the same as that reported to EPA. For all other facilities, if the site is located in an area with few buildings or other obstructions, select Rural. If the site is in an urban location, or is in an area with many obstructions, select Urban.

Enter the total on-site quantity of the release toxic COI in pounds. Enter the distance of concern reported by RMP*Comp in miles.

The total on-site quantity is the highest amount that the facility either currently possesses or possessed within the past 60 days. **Round the quantity to two significant digits** (e.g., round 247500 pounds to 250000 pounds, and round 7625 pounds to 7600 pounds). Do not use commas when entering data.

The Distance of Concern that should be reported is the downwind distance calculated using RMP*Comp for total on-site quantity of the regulated chemical, using additional process conditions for this chemical. Report all distances shorter than 0.1 mile as 0.1 mile, and all distances 25 miles or longer as 25 miles. (RMP*Comp can be downloaded from http://yosemite.epa.gov/oswer/ceppoweb.nsf/content/comp-dwn.htm)

Under CFATS, a COI is considered stored underground if it is stored in a containment vessel (e.g., a tank) that is physically buried in the ground, is stored in a containment vessel below grade, or stored in cavern or non-cavern type containment. Basement level storage would not be considered underground if the containment vessels are portable. If any amount of the COI is stored underground the facility must select *Yes*, and will then be required to answer a series of specific questions on underground storage.

Chemical Name	CAS#	Min Conc.	Screening Threshold Quantity	Total On-site Quantity (pounds) [Q:2.1-124]	Distance of Concern (miles) [Q:2.1-126]	Is the Toxic COI Stored Underground? [Q:2.1-7958] Yes	No
Acrolein [2-Propenal or Acrylaldehyde]	107-02-8	1.00%	5,000 lbs			○	○
Allyl alcohol [2-Propen-1-ol]	107-18-6	1.00%	15,000 lbs			○	○
Ammonia (anhydrous)	7664-41-7	1.00%	10,000 lbs			○	○
Ammonia (conc. 20% or greater)	7664-41-7	20.00%	20,000 lbs			○	○
Arsenic trichloride [Arsenous trichloride]	7784-34-1	1.00%	15,000 lbs			○	○
Arsine	7784-42-1	1.00%	1,000 lbs			○	○
Boron trichloride [Borane, trichloro]	10294-34-5	1.00%	5,000 lbs			○	○
Boron trifluoride [Borane, trifluoro]	7637-07-2	1.00%	5,000 lbs			○	○
Boron trifluoride compound with methyl ether (1:1) [Boron, trifluoro [oxybis (methane)]-, T-4-]	353-42-4	1.00%	15,000 lbs			○	○
Bromine	7726-95-6	1.00%	10,000 lbs			○	○
Carbon disulfide	75-15-0	1.00%	20,000 lbs			○	○
Chlorine	7782-50-5	1.00%	2,500 lbs			○	○

Chemical Name	CAS#	Min Conc.	Screening Threshold Quantity	Total On-site Quantity (pounds) [Q:2.1-124]	Distance of Concern (miles) [Q:2.1-126]	Is the Toxic COI Stored Underground? [Q:2.1-7958]	
						Yes	No
Chlorine dioxide [Chlorine oxide, ClO_2]	10049-04-4	1.00%	1,000 lbs			○	○
Chloroform [Methane, trichloro-]	67-66-3	1.00%	20,000 lbs			○	○
Chloromethyl ether [Methane, oxybis(chloro-)]	542-88-1	1.00%	1,000 lbs			○	○
Chloromethyl methyl ether [Methane, chloromethoxy-]	107-30-2	1.00%	5,000 lbs			○	○
Cyanogen chloride	506-77-4	1.00%	10,000 lbs			○	○
Cyclohexylamine [Cyclohexanamine]	108-91-8	1.00%	15,000 lbs			○	○
Diborane	19287-45-7	1.00%	2,500 lbs			○	○
Epichlorohydrin [Oxirane, (chloromethyl)-]	106-89-8	1.00%	20,000 lbs			○	○
Ethylenediamine [1,2-Ethanediamine]	107-15-3	1.00%	20,000 lbs			○	○
Fluorine	7782-41-4	1.00%	1,000 lbs			○	○
Formaldehyde (solution)	50-00-0	1.00%	15,000 lbs			○	○
Hydrochloric acid (conc. 37% or greater)	7647-01-0	37.00%	15,000 lbs			○	○

Chemical Name	CAS#	Min Conc.	Screening Threshold Quantity	Total On-site Quantity (pounds) [Q:2.1-124]	Distance of Concern (miles) [Q:2.1-126]	Is the Toxic COI Stored Underground? [Q:2.1-7958] Yes	No
Hydrocyanic acid	74-90-8	1.00%	2,500 lbs			○	○
Hydrofluoric acid (conc. 50% or greater)	7664-39-3	50.00%	1,000 lbs			○	○
Hydrogen chloride (anhydrous)	7647-01-0	1.00%	5,000 lbs			○	○
Hydrogen fluoride (anhydrous)	7664-39-3	1.00%	1,000 lbs			○	○
Hydrogen sulfide	7783-06-4	1.00%	10,000 lbs			○	○
Isobutyronitrile [Propanenitrile, 2-methyl-]	78-82-0	1.00%	20,000 lbs			○	○
Isopropyl chloroformate [Carbonochloridic acid, 1-methylethyl ester]	108-23-6	1.00%	15,000 lbs			○	○
Methacrylonitrile [2-Propenenitrile, 2-methyl-]	126-98-7	1.00%	10,000 lbs			○	○
Methyl hydrazine [Hydrazine, methyl-]	60-34-4	1.00%	15,000 lbs			○	○
Methyl isocyanate [Methane, isocyanato-]	624-83-9	1.00%	10,000 lbs			○	○
Methyl thiocyanate [Thiocyanic acid, methyl ester]	556-64-9	1.00%	20,000 lbs			○	○
Nitric acid	7697-37-2	80.00%	15,000 lbs			○	○

Chemical Name	CAS#	Min Conc.	Screening Threshold Quantity	Total On-site Quantity (pounds) [Q:2.1-124]	Distance of Concern (miles) [Q:2.1-126]	Is the Toxic COI Stored Underground? [Q:2.1-7958] Yes	No
Nitric oxide [Nitrogen oxide (NO)]	10102-43-9	1.00%	10,000 lbs			○	○
Oleum (Fuming Sulfuric acid) [Sulfuric acid, mixture with sulfur trioxide]	8014-95-7	1.00%	10,000 lbs			○	○
Perchloromethylmercaptan [Methanesulfenyl chloride, trichloro-]	594-42-3	1.00%	10,000 lbs			○	○
Phosgene [Carbonic dichloride] or [carbonyl dichloride]	75-44-5	1.00%	500 lbs			○	○
Phosphorus oxychloride [Phosphoryl chloride]	10025-87-3	1.00%	5,000 lbs			○	○
Phosphorus trichloride	7719-12-2	1.00%	15,000 lbs			○	○
Propionitrile [Propanenitrile]	107-12-0	1.00%	10,000 lbs			○	○
Propyleneimine [Aziridine, 2-methyl-]	75-55-8	1.00%	10,000 lbs			○	○
Sulfur dioxide (anhydrous)	7446-09-5	1.00%	5,000 lbs			○	○
Sulfur tetrafluoride [Sulfur fluoride (SF_4), (T-4)-]	7783-60-0	1.00%	2,500 lbs			○	○
Sulfur trioxide	7446-11-9	1.00%	10,000 lbs			○	○

Chemical Name	CAS#	Min Conc.	Screening Threshold Quantity	Total On-site Quantity (pounds) [Q:2.1-124]	Distance of Concern (miles) [Q:2.1-126]	Is the Toxic COI Stored Underground? [Q:2.1-7958] Yes	No
Tetramethyllead [Plumbane, tetramethyl-]	75-74-1	1.00%	10,000 lbs			○	○
Titanium tetrachloride [Titanium chloride ($TiCl_4$) (T-4)-]	7550-45-0	1.00%	2,500 lbs			○	○

Enter the quantity of the release toxic COI in the Area of Highest Quantity in pounds. Enter the distance of concern reported by RMP*Comp for each AHQ in miles.

The Area of Highest Quantity (AHQ) is defined as an on-site area, with a radius of 170 feet, where the greatest amount of the release toxic COI is either currently present or has been present at any one time within the past 60 days. **This amount may differ from the total on-site quantity. Round the quantity to two significant digits** (e.g., round 247500 lbs. to 250000 lbs., and round 7625 lbs. to 7600 lbs.) Do not use commas when entering data.

Chemical Name	CAS#	Min. Conc.	Screening Threshold Quantity	Quantity in AHQ (pounds) [Q:2.2-2792]	Distance of Concern for AHQ (miles) [Q:2.2-2793]
Acrolein [2-Propenal or Acrylaldehyde]	107-02-8	1.00%	5,000 lbs		
Allyl alcohol [2-Propen-1-ol]	107-18-6	1.00%	15,000 lbs		
Ammonia (anhydrous)	7664-41-7	1.00%	10,000 lbs		
Ammonia (conc. 20% or greater)	7664-41-7	20.00%	20,000 lbs		

Chemical Name	CAS#	Min. Conc.	Screening Threshold Quantity	Quantity in AHQ (pounds) [Q:2.2-2792]	Distance of Concern for AHQ (miles) [Q:2.2-2793]
Arsenic trichloride [Arsenous trichloride]	7784-34-1	1.00%	15,000 lbs		
Arsine	7784-42-1	1.00%	1,000 lbs		
Boron trichloride [Borane, trichloro]	10294-34-5	1.00%	5,000 lbs		
Boron trifluoride [Borane, trifluoro]	7637-07-2	1.00%	5,000 lbs		
Boron trifluoride compound with methyl ether (1:1) [Boron, trifluoro [oxybis (methane)]-, T-4-]	353-42-4	1.00%	15,000 lbs		
Bromine	7726-95-6	1.00%	10,000 lbs		
Carbon disulfide	75-15-0	1.00%	20,000 lbs		
Chlorine	7782-50-5	1.00%	2,500 lbs		
Chlorine dioxide [Chlorine oxide, ClO_2]	10049-04-4	1.00%	1,000 lbs		
Chloroform [Methane, trichloro-]	67-66-3	1.00%	20,000 lbs		
Chloromethyl ether [Methane, oxybis(chloro-)]	542-88-1	1.00%	1,000 lbs		
Chloromethyl methyl ether [Methane, chloromethoxy-]	107-30-2	1.00%	5,000 lbs		

Chemical Name	CAS#	Min. Conc.	Screening Threshold Quantity	Quantity in AHQ (pounds) [Q:2.2-2792]	Distance of Concern for AHQ (miles) [Q:2.2-2793]
Cyanogen chloride	506-77-4	1.00%	10,000 lbs		
Cyclohexylamine [Cyclohexanamine]	108-91-8	1.00%	15,000 lbs		
Diborane	19287-45-7	1.00%	2,500 lbs		
Epichlorohydrin [Oxirane, (chloromethyl)-]	106-89-8	1.00%	20,000 lbs		
Ethylenediamine [1,2-Ethanediamine]	107-15-3	1.00%	20,000 lbs		
Fluorine	7782-41-4	1.00%	1,000 lbs		
Formaldehyde (solution)	50-00-0	1.00%	15,000 lbs		
Hydrochloric acid (conc. 37% or greater)	7647-01-0	37.00%	15,000 lbs		
Hydrocyanic acid	74-90-8	1.00%	2,500 lbs		
Hydrofluoric acid (conc. 50% or greater)	7664-39-3	50.00%	1,000 lbs		
Hydrogen chloride (anhydrous)	7647-01-0	1.00%	5,000 lbs		
Hydrogen fluoride (anhydrous)	7664-39-3	1.00%	1,000 lbs		
Hydrogen sulfide	7783-06-4	1.00%	10,000 lbs		
Isobutyronitrile [Propanenitrile, 2-methyl-]	78-82-0	1.00%	20,000 lbs		

Chemical Name	CAS#	Min. Conc.	Screening Threshold Quantity	Quantity in AHQ (pounds) [Q:2.2-2792]	Distance of Concern for AHQ (miles) [Q:2.2-2793]
Isopropyl chloroformate [Carbonochloridic acid, 1-methylethyl ester]	108-23-6	1.00%	15,000 lbs		
Methacrylonitrile [2-Propenenitrile, 2-methyl-]	126-98-7	1.00%	10,000 lbs		
Methyl hydrazine [Hydrazine, methyl-]	60-34-4	1.00%	15,000 lbs		
Methyl isocyanate [Methane, isocyanato-]	624-83-9	1.00%	10,000 lbs		
Methyl thiocyanate [Thiocyanic acid, methyl ester]	556-64-9	1.00%	20,000 lbs		
Nitric acid	7697-37-2	80.00%	15,000 lbs		
Nitric oxide [Nitrogen oxide (NO)]	10102-43-9	1.00%	10,000 lbs		
Oleum (Fuming Sulfuric acid) [Sulfuric acid, mixture with sulfur trioxide]	8014-95-7	1.00%	10,000 lbs		
Perchloromethylmercaptan [Methanesulfenyl chloride, trichloro-]	594-42-3	1.00%	10,000 lbs		
Phosgene [Carbonic dichloride] or [carbonyl dichloride]	75-44-5	1.00%	500 lbs		
Phosphorus oxychloride [Phosphoryl chloride]	10025-87-3	1.00%	5,000 lbs		

Chemical Name	CAS#	Min. Conc.	Screening Threshold Quantity	Quantity in AHQ (pounds) [Q:2.2-2792]	Distance of Concern for AHQ (miles) [Q:2.2-2793]
Phosphorus trichloride	7719-12-2	1.00%	15,000 lbs		
Propionitrile [Propanenitrile]	107-12-0	1.00%	10,000 lbs		
Propyleneimine [Aziridine, 2-methyl-]	75-55-8	1.00%	10,000 lbs		
Sulfur dioxide (anhydrous)	7446-09-5	1.00%	5,000 lbs		
Sulfur tetrafluoride [Sulfur fluoride (SF_4), (T-4)-]	7783-60-0	1.00%	2,500 lbs		
Sulfur trioxide	7446-11-9	1.00%	10,000 lbs		
Tetramethyllead [Plumbane, tetramethyl-]	75-74-1	1.00%	10,000 lbs		
Titanium tetrachloride [Titanium chloride ($TiCl_4$) (T-4)-]	7550-45-0	1.00%	2,500 lbs		

If the answer to question [Q:2.1-7958]*, "Is the Toxic COI Stored Underground?" is "No" for all chemicals, go to Release Flammables (page 44)*

Underground Storage for Release Toxic COI Detail

The following questions regarding underground storage should only be answered about the amount of COI stored underground.

- Enter the number of underground storage tanks.
- Enter the collective capacity of the underground storage tanks (pounds).
- Enter the distance from the underground tank(s) to the nearest infrastructure (in feet) that is not associated with the underground storage operation. Infrastructure may include buildings, bridges, or other above ground structures or pipelines.

Chemical Name	CAS#	Min. Conc.	Screening Threshold Quantity	Number of Underground Tanks [Q:2.3-7933]	Collective Capacity of Underground Tanks (pounds) [Q:2.3-7934]	Distance to Nearest Infrastructure (feet) [Q:2.3-7938]
Acrolein [2-Propenal or Acrylaldehyde]	107-02-8	1.00%	5,000 lbs			
Allyl alcohol [2-Propen-1-ol]	107-18-6	1.00%	15,000 lbs			
Ammonia (anhydrous)	7664-41-7	1.00%	10,000 lbs			
Ammonia (conc. 20% or greater)	7664-41-7	20.00%	20,000 lbs			
Arsenic trichloride [Arsenous trichloride]	7784-34-1	1.00%	15,000 lbs			
Arsine	7784-42-1	1.00%	1,000 lbs			
Boron trichloride [Borane, trichloro]	10294-34-5	1.00%	5,000 lbs			
Boron trifluoride [Borane, trifluoro]	7637-07-2	1.00%	5,000 lbs			

Chemical Name	CAS#	Min. Conc.	Screening Threshold Quantity	Number of Underground Tanks [Q:2.3-7933]	Collective Capacity of Underground Tanks (pounds) [Q:2.3-7934]	Distance to Nearest Infrastructure (feet) [Q:2.3-7938]
Boron trifluoride compound with methyl ether (1:1) [Boron, trifluoro [oxybis (methane)]-, T-4-]	353-42-4	1.00%	15,000 lbs			
Bromine	7726-95-6	1.00%	10,000 lbs			
Carbon disulfide	75-15-0	1.00%	20,000 lbs			
Chlorine	7782-50-5	1.00%	2,500 lbs			
Chlorine dioxide [Chlorine oxide, ClO_2]	10049-04-4	1.00%	1,000 lbs			
Chloroform [Methane, trichloro-]	67-66-3	1.00%	20,000 lbs			
Chloromethyl ether [Methane, oxybis(chloro-)]	542-88-1	1.00%	1,000 lbs			
Chloromethyl methyl ether [Methane, chloromethoxy-]	107-30-2	1.00%	5,000 lbs			
Cyanogen chloride	506-77-4	1.00%	10,000 lbs			
Cyclohexylamine [Cyclohexanamine]	108-91-8	1.00%	15,000 lbs			
Diborane	19287-45-7	1.00%	2,500 lbs			
Epichlorohydrin [Oxirane, (chloromethyl)-]	106-89-8	1.00%	20,000 lbs			

Chemical Name	CAS#	Min. Conc.	Screening Threshold Quantity	Number of Underground Tanks [Q:2.3-7933]	Collective Capacity of Underground Tanks (pounds) [Q:2.3-7934]	Distance to Nearest Infrastructure (feet) [Q:2.3-7938]
Ethylenediamine [1,2-Ethanediamine]	107-15-3	1.00%	20,000 lbs			
Fluorine	7782-41-4	1.00%	1,000 lbs			
Formaldehyde (solution)	50-00-0	1.00%	15,000 lbs			
Hydrochloric acid (conc. 37% or greater)	7647-01-0	37.00%	15,000 lbs			
Hydrocyanic acid	74-90-8	1.00%	2,500 lbs			
Hydrofluoric acid (conc. 50% or greater)	7664-39-3	50.00%	1,000 lbs			
Hydrogen chloride (anhydrous)	7647-01-0	1.00%	5,000 lbs			
Hydrogen fluoride (anhydrous)	7664-39-3	1.00%	1,000 lbs			
Hydrogen sulfide	7783-06-4	1.00%	10,000 lbs			
Isobutyronitrile [Propanenitrile, 2-methyl-]	78-82-0	1.00%	20,000 lbs			
Isopropyl chloroformate [Carbonochloridic acid, 1-methylethyl ester]	108-23-6	1.00%	15,000 lbs			
Methacrylonitrile [2-Propenenitrile, 2-methyl-]	126-98-7	1.00%	10,000 lbs			
Methyl hydrazine [Hydrazine, methyl-]	60-34-4	1.00%	15,000 lbs			

Chemical Name	CAS#	Min. Conc.	Screening Threshold Quantity	Number of Underground Tanks [Q:2.3-7933]	Collective Capacity of Underground Tanks (pounds) [Q:2.3-7934]	Distance to Nearest Infrastructure (feet) [Q:2.3-7938]
Methyl isocyanate [Methane, isocyanato-]	624-83-9	1.00%	10,000 lbs			
Methyl thiocyanate [Thiocyanic acid, methyl ester]	556-64-9	1.00%	20,000 lbs			
Nitric acid	7697-37-2	80.00%	15,000 lbs			
Nitric oxide [Nitrogen oxide (NO)]	10102-43-9	1.00%	10,000 lbs			
Oleum (Fuming Sulfuric acid) [Sulfuric acid, mixture with sulfur trioxide]	8014-95-7	1.00%	10,000 lbs			
Perchloromethylmercaptan [Methanesulfenyl chloride, trichloro-]	594-42-3	1.00%	10,000 lbs			
Phosgene [Carbonic dichloride] or [carbonyl dichloride]	75-44-5	1.00%	500 lbs			
Phosphorus oxychloride [Phosphoryl chloride]	10025-87-3	1.00%	5,000 lbs			
Phosphorus trichloride	7719-12-2	1.00%	15,000 lbs			
Propionitrile [Propanenitrile]	107-12-0	1.00%	10,000 lbs			
Propyleneimine [Aziridine, 2-methyl-]	75-55-8	1.00%	10,000 lbs			

Chemical Name	CAS#	Min. Conc.	Screening Threshold Quantity	Number of Underground Tanks [Q:2.3-7933]	Collective Capacity of Underground Tanks (pounds) [Q:2.3-7934]	Distance to Nearest Infrastructure (feet) [Q:2.3-7938]
Sulfur dioxide (anhydrous)	7446-09-5	1.00%	5,000 lbs			
Sulfur tetrafluoride [Sulfur fluoride (SF_4), (T-4)-]	7783-60-0	1.00%	2,500 lbs			
Sulfur trioxide	7446-11-9	1.00%	10,000 lbs			
Tetramethyllead [Plumbane, tetramethyl-]	75-74-1	1.00%	10,000 lbs			
Titanium tetrachloride [Titanium chloride ($TiCl_4$) (T-4)-]	7550-45-0	1.00%	2,500 lbs			

Underground Storage for Release Toxic COI (continued)

The following questions regarding underground storage should only be answered about the amount of COI stored underground.

- Enter the pressure rating of tank(s) (psig).
- Is/Are the tank(s) double walled?
- Enter depth (from ground surface to tank top) of underground tanks (feet).
- Select the underground storage type

Buried storage is set in the ground and covered by soil. *Below grade* storage is set entirely below the surface of the ground in a storage pit but is not covered by soil.

Chemical Name	CAS#	Min. Conc.	Screening Threshold Quantity	Pressure Rating of Tank(s) (psig) [Q:2.4-7954]	Tank(s) Double Walled? [Q:2.4-7955]		Depth of Underground Tanks (feet) [Q:2.4-7956]	Underground Storage Type [Q:2.4-12760]	
					Yes	No		Buried	Below grade
Acrolein [2-Propenal or Acrylaldehyde]	107-02-8	1.00%	5,000 lbs		○	○		○	○
Allyl alcohol [2-Propen-1-ol]	107-18-6	1.00%	15,000 lbs		○	○		○	○
Ammonia (anhydrous)	7664-41-7	1.00%	10,000 lbs		○	○		○	○
Ammonia (conc. 20% or greater)	7664-41-7	20.00%	20,000 lbs		○	○		○	○
Arsenic trichloride [Arsenous trichloride]	7784-34-1	1.00%	15,000 lbs		○	○		○	○
Arsine	7784-42-1	1.00%	1,000 lbs		○	○		○	○
Boron trichloride [Borane, trichloro]	10294-34-5	1.00%	5,000 lbs		○	○		○	○
Boron trifluoride [Borane, trifluoro]	7637-07-2	1.00%	5,000 lbs		○	○		○	○
Boron trifluoride compound with methyl ether (1:1) [Boron, trifluoro [oxybis (methane)]-, T-4-]	353-42-4	1.00%	15,000 lbs		○	○		○	○
Bromine		0%	10,000 lbs		○	○		○	○
Carbon disulfide	75-15-0	1.00%	20,000 lbs		○	○		○	○
Chlorine	7782-50-5	1.00%	2,500 lbs		○	○		○	○

Chemical Name	CAS#	Min. Conc.		Pressure Rating of Tank(s) (psig) [Q:2.4-7954]	Tank(s) Double Walled? [Q:2.4-7955]		Depth of Underground Tanks (feet) [Q:2.4-7956]	Underground Storage Type [Q:2.4-12760]	
					Yes	No		Buried	Below grade
Chlorine dioxide [Chlorine oxide, ClO_2]	10049-04-4	1.00%	1,000 lbs		○	○		○	○
Chloroform [Methane, trichloro-]	67-66-3	1.00%	20,000 lbs		○	○		○	○
Chloromethyl ether [Methane, oxybis(chloro-)]	542-88-1	1.00%	1,000 lbs		○	○		○	○
Chloromethyl methyl ether [Methane, chloromethoxy-]	107-30-2	1.00%	5,000 lbs		○	○		○	○
Cyanogen chloride	506-77-4	1.00%	10,000 lbs		○	○		○	○
Cyclohexylamine [Cyclohexanamine]	108-91-8	1.00%	15,000 lbs		○	○		○	○
Diborane	19287-45-7	1.00%	2,500 lbs		○	○		○	○
Epichlorohydrin [Oxirane, (chloromethyl)-]	106-89-8	1.00%	20,000 lbs		○	○		○	○
Ethylenediamine [1,2-Ethanediamine]	107-15-3	1.00%	20,000 lbs		○	○		○	○
Fluorine	7782-41-4	1.00%	1,000 lbs		○	○		○	○
Formaldehyde (solution)	50-00-0	1.00%	15,000 lbs		○	○		○	○
Hydrochloric acid (conc. 37% or greater)	7647-01-0	37.00%	15,000 lbs		○	○		○	○

Chemical Name	CAS#	Min. Conc.	Screening Threshold Quantity	Pressure Rating of Tank(s) (psig) [Q:2.4-7954]	Tank(s) Double Walled? [Q:2.4-7955]		Depth of Underground Tanks (feet) [Q:2.4-7956]	Underground Storage Type [Q:2.4-12760]	
					Yes	No		Buried	Below grade
Hydrocyanic acid	74-90-8	1.00%	2,500 lbs		○	○		○	○
Hydrofluoric acid (conc. 50% or greater)	7664-39-3	50.00%	1,000 lbs		○	○		○	○
Hydrogen chloride (anhydrous)	7647-01-0	1.00%	5,000 lbs		○	○		○	○
Hydrogen fluoride (anhydrous)	7664-39-3	1.00%	1,000 lbs		○	○		○	○
Hydrogen sulfide	7783-06-4	1.00%	10,000 lbs		○	○		○	○
Isobutyronitrile [Propanenitrile, 2-methyl-]	78-82-0	1.00%	20,000 lbs		○	○		○	○
Isopropyl chloroformate [Carbonochloridic acid, 1-methylethyl ester]	108-23-6	1.00%	15,000 lbs		○	○		○	○
Methacrylonitrile [2-Propenenitrile, 2-methyl-]	126-98-7	1.00%	10,000 lbs		○	○		○	○
Methyl hydrazine [Hydrazine, methyl-]	60-34-4	1.00%	15,000 lbs		○	○		○	○
Methyl isocyanate [Methane, isocyanato-]	624-83-9	1.00%	10,000 lbs		○	○		○	○
Methyl thiocyanate [Thiocyanic acid, methyl ester]	556-64-9	1.00%	20,000 lbs		○	○		○	○
Nitric acid	7697-37-2	80.00%	15,000 lbs		○	○		○	○

Chemical Name	CAS#	Min. Conc.	Screening Threshold Quantity	Pressure Rating of Tank(s) (psig) [Q:2.4-7954]	Tank(s) Double Walled? [Q:2.4-7955]		Depth of Underground Tanks (feet) [Q:2.4-7956]	Underground Storage Type [Q:2.4-12760]	
					Yes	No		Buried	Below grade
Nitric oxide [Nitrogen oxide (NO)]	10102-43-9	1.00%	10,000 lbs		○	○		○	○
Oleum (Fuming Sulfuric acid) [Sulfuric acid, mixture with sulfur trioxide]	8014-95-7	1.00%	10,000 lbs		○	○		○	○
Perchloromethylmercaptan [Methanesulfenyl chloride, trichloro-]	594-42-3	1.00%	10,000 lbs		○	○		○	○
Phosgene [Carbonic dichloride] or [carbonyl dichloride]	75-44-5	1.00%	500 lbs		○	○		○	○
Phosphorus oxychloride [Phosphoryl chloride]	10025-87-3	1.00%	5,000 lbs		○	○		○	○
Phosphorus trichloride	7719-12-2	1.00%	15,000 lbs		○	○		○	○
Propionitrile [Propanenitrile]	107-12-0	1.00%	10,000 lbs		○	○		○	○
Propyleneimine [Aziridine, 2-methyl-]	75-55-8	1.00%	10,000 lbs		○	○		○	○
Sulfur dioxide (anhydrous)	7446-09-5	1.00%	5,000 lbs		○	○		○	○
Sulfur tetrafluoride [Sulfur fluoride (SF_4), (T-4)-]	7783-60-0	1.00%	2,500 lbs		○	○		○	○
Sulfur trioxide	7446-11-9	1.00%	10,000 lbs		○	○		○	○

Chemical Name	CAS#	Min. Conc.	Screening Threshold Quantity	Pressure Rating of Tank(s) (psig) [Q:2.4-7954]	Tank(s) Double Walled? [Q:2.4-7955]		Depth of Underground Tanks (feet) [Q:2.4-7956]	Underground Storage Type [Q:2.4-12760]	
					Yes	No		Buried	Below grade
Tetramethyllead [Plumbane, tetramethyl-]	75-74-1	1.00%	10,000 lbs		○	○		○	○
Titanium tetrachloride [Titanium chloride ($TiCl_4$) (T-4)-]	7550-45-0	1.00%	2,500 lbs		○	○		○	○

Release Toxic COI Stored Below Grade

Answer the following question only for underground COI that is stored below grade.

Chemical Name	CAS#	Min. Conc.	Screening Threshold Quantity	Is the below grade containment covered? [Q:2.5-12762]	
				Yes	No
Acrolein [2-Propenal or Acrylaldehyde]	107-02-8	1.00%	5,000 lbs	○	○
Allyl alcohol [2-Propen-1-ol]	107-18-6	1.00%	15,000 lbs	○	○
Ammonia (anhydrous)	7664-41-7	1.00%	10,000 lbs	○	○
Ammonia (conc. 20% or greater)	7664-41-7	20.00%	20,000 lbs	○	○
Arsenic trichloride [Arsenous trichloride]	7784-34-1	1.00%	15,000 lbs	○	○

Chemical Name	CAS#	Min. Conc.	Screening Threshold Quantity	Is the below grade containment covered? [Q:2.5-12762]	
				Yes	No
Arsine	7784-42-1	1.00%	1,000 lbs	○	○
Boron trichloride [Borane, trichloro]	10294-34-5	1.00%	5,000 lbs	○	○
Boron trifluoride [Borane, trifluoro]	7637-07-2	1.00%	5,000 lbs	○	○
Boron trifluoride compound with methyl ether (1:1) [Boron, trifluoro [oxybis (methane)]-, T-4-]	353-42-4	1.00%	15,000 lbs	○	○
Bromine	7726-95-6	1.00%	10,000 lbs	○	○
Carbon disulfide	75-15-0	1.00%	20,000 lbs	○	○
Chlorine	7782-50-5	1.00%	2,500 lbs	○	○
Chlorine dioxide [Chlorine oxide, ClO_2]	10049-04-4	1.00%	1,000 lbs	○	○
Chloroform [Methane, trichloro-]	67-66-3	1.00%	20,000 lbs	○	○
Chloromethyl ether [Methane, oxybis(chloro-)]	542-88-1	1.00%	1,000 lbs	○	○
Chloromethyl methyl ether [Methane, chloromethoxy-]	107-30-2	1.00%	5,000 lbs	○	○
Cyanogen chloride	506-77-4	1.00%	10,000 lbs	○	○
Cyclohexylamine [Cyclohexanamine]	108-91-8	1.00%	15,000 lbs	○	○

Chemical Name	CAS#	Min. Conc.	Screening Threshold Quantity	Is the below grade containment covered? [Q:2.5-12762]	
				Yes	No
Diborane	19287-45-7	1.00%	2,500 lbs	○	○
Epichlorohydrin [Oxirane, (chloromethyl)-]	106-89-8	1.00%	20,000 lbs	○	○
Ethylenediamine [1,2-Ethanediamine]	107-15-3	1.00%	20,000 lbs	○	○
Fluorine	7782-41-4	1.00%	1,000 lbs	○	○
Formaldehyde (solution)	50-00-0	1.00%	15,000 lbs	○	○
Hydrochloric acid (conc. 37% or greater)	7647-01-0	37.00%	15,000 lbs	○	○
Hydrocyanic acid	74-90-8	1.00%	2,500 lbs	○	○
Hydrofluoric acid (conc. 50% or greater)	7664-39-3	50.00%	1,000 lbs	○	○
Hydrogen chloride (anhydrous)	7647-01-0	1.00%	5,000 lbs	○	○
Hydrogen fluoride (anhydrous)	7664-39-3	1.00%	1,000 lbs	○	○
Hydrogen sulfide	7783-06-4	1.00%	10,000 lbs	○	○
Isobutyronitrile [Propanenitrile, 2-methyl-]	78-82-0	1.00%	20,000 lbs	○	○
Isopropyl chloroformate [Carbonochloridic acid, 1-methylethyl ester]	108-23-6	1.00%	15,000 lbs	○	○
Methacrylonitrile [2-Propenenitrile, 2-methyl-]	126-98-7	1.00%	10,000 lbs	○	○

Chemical Name	CAS#	Min. Conc.	Screening Threshold Quantity	Is the below grade containment covered? [Q:2.5-12762]	
				Yes	No
Methyl hydrazine [Hydrazine, methyl-]	60-34-4	1.00%	15,000 lbs	○	○
Methyl isocyanate [Methane, isocyanato-]	624-83-9	1.00%	10,000 lbs	○	○
Methyl thiocyanate [Thiocyanic acid, methyl ester]	556-64-9	1.00%	20,000 lbs	○	○
Nitric acid	7697-37-2	80.00%	15,000 lbs	○	○
Nitric oxide [Nitrogen oxide (NO)]	10102-43-9	1.00%	10,000 lbs	○	○
Oleum (Fuming Sulfuric acid) [Sulfuric acid, mixture with sulfur trioxide]	8014-95-7	1.00%	10,000 lbs	○	○
Perchloromethylmercaptan [Methanesulfenyl chloride, trichloro-]	594-42-3	1.00%	10,000 lbs	○	○
Phosgene [Carbonic dichloride] or [carbonyl dichloride]	75-44-5	1.00%	500 lbs	○	○
Phosphorus oxychloride [Phosphoryl chloride]	10025-87-3	1.00%	5,000 lbs	○	○
Phosphorus trichloride	7719-12-2	1.00%	15,000 lbs	○	○
Propionitrile [Propanenitrile]	107-12-0	1.00%	10,000 lbs	○	○
Propyleneimine [Aziridine, 2-methyl-]	75-55-8	1.00%	10,000 lbs	○	○

Chemical Name	CAS#	Min. Conc.	Screening Threshold Quantity	Is the below grade containment covered? [Q:2.5-12762]	
				Yes	No
Sulfur dioxide (anhydrous)	7446-09-5	1.00%	5,000 lbs	○	○
Sulfur tetrafluoride [Sulfur fluoride (SF_4), (T-4)-]	7783-60-0	1.00%	2,500 lbs	○	○
Sulfur trioxide	7446-11-9	1.00%	10,000 lbs	○	○
Tetramethyllead [Plumbane, tetramethyl-]	75-74-1	1.00%	10,000 lbs	○	○
Titanium tetrachloride [Titanium chloride ($TiCl_4$) (T-4)-]	7550-45-0	1.00%	2,500 lbs	○	○

Release Flammables

Release Flammable Chemicals of Interest

The presence or amount of a particular chemical is not the sole factor in determining whether a facility presents a high level of security risk. This information informs the subsequent parts of the Department's assessment. The Department will use its best judgment and all available information in determining whether a facility presents a high level of security risk.

Do you manufacture, process, use, store, or distribute any of the following release flammable chemicals of interest (COI) at or above the screening threshold quantity at your facility?

Check "Yes" if the facility either currently possesses or possessed within the past 60 days the COI at or above the screening threshold quantity.

(The default settings on this list indicate that the chemicals are NOT currently present on site nor have been onsite within the past 60 days. At the end of the list, you must indicate that these settings have been changed as applicable to the facility.)

These chemicals were determined by the US Department of Homeland Security to be a potential security risk at "high risk chemical facilities" as defined in Section 550 the Department of Homeland Security Act of 2007. A facility should indicate which COI it either currently possesses or possessed within the past 60 days at or above the screening threshold quantity.

The following list of release-flammables includes both release-flammable COI and fuel(s). The fuel(s) shown are mixtures of COI or other release-flammables. If the facility's release-flammable mixture is a fuel(s) from the list below, enter the amount of fuel(s) at the facility consistent with the release-flammable minimum concentration provision found in § 27.204(a)(2). If a facility counts a release-flammable mixture as a fuel, the facility should not count its constituent release-flammable COI in the release-flammable COI section of the Top-Screen.

If "No" selected for all chemicals, go to Release Explosives (page 104)

[Q:3.0-129]

Chemical Name	CAS#	Min. Conc.	Screening Threshold Quantity	Do you manufacture, process, use, store, or distribute any of the following release flammable chemicals of interest (COI) at or above the screening threshold quantity at your facility?	
				Yes	No
Acetaldehyde	75-07-0	1.00%	10,000 lbs	○	○
Acetylene [Ethyne]	74-86-2	1.00%	10,000 lbs	○	○
Acrylonitrile [2-Propenenitrile]	107-13-1	1.00%	10,000 lbs	○	○
Acrylyl chloride [2-Propenoyl chloride]	814-68-6	1.00%	10,000 lbs	○	○
Allylamine [2-Propen-1-amine]	107-11-9	1.00%	10,000 lbs	○	○
Bromotrifluorethylene [Ethene, bromotrifluoro-]	598-73-2	1.00%	10,000 lbs	○	○
1,3-Butadiene	106-99-0	1.00%	10,000 lbs	○	○
Butane	106-97-8	1.00%	10,000 lbs	○	○
Butene	25167-67-3	1.00%	10,000 lbs	○	○
1-Butene	106-98-9	1.00%	10,000 lbs	○	○
2-Butene	107-01-7	1.00%	10,000 lbs	○	○

Chemical Name	CAS#	Min. Conc.	Screening Threshold Quantity	Do you manufacture, process, use, store, or distribute any of the following release flammable chemicals of interest (COI) at or above the screening threshold quantity at your facility?	
				Yes	No
2-Butene-cis	590-18-1	1.00%	10,000 lbs	○	○
2-Butene-trans [2-Butene, (E)]	624-64-6	1.00%	10,000 lbs	○	○
Carbon oxysulfide [Carbon oxide sulfide (COS); carbonyl sulfide]	463-58-1	1.00%	10,000 lbs	○	○
Chlorine monoxide [Chlorine oxide]	7791-21-1	1.00%	10,000 lbs	○	○
1-Chloropropylene [1-Propene, 1-chloro-]	590-21-6	1.00%	10,000 lbs	○	○
2-Chloropropylene [1-Propene, 2-chloro-]	557-98-2	1.00%	10,000 lbs	○	○
Crotonaldehyde [2-Butenal]	4170-30-3	1.00%	10,000 lbs	○	○
Crotonaldehyde, (E)- [2-Butenal], (E)-]	123-73-9	1.00%	10,000 lbs	○	○
Cyanogen [Ethanedinitrile]	460-19-5	1.00%	10,000 lbs	○	○
Cyclopropane	75-19-4	1.00%	10,000 lbs	○	○

Chemical Name	CAS#	Min. Conc.	Screening Threshold Quantity	Do you manufacture, process, use, store, or distribute any of the following release flammable chemicals of interest (COI) at or above the screening threshold quantity at your facility?	
				Yes	No
Dichlorosilane [Silane, dichloro-]	4109-96-0	1.00%	10,000 lbs	○	○
Difluoroethane [Ethane, 1,1-difluoro-]	75-37-6	1.00%	10,000 lbs	○	○
Dimethylamine [Methanamine, N-methyl-]	124-40-3	1.00%	10,000 lbs	○	○
Dimethyldichlorosilane [Silane, dichlorodimethyl-]	75-78-5	1.00%	10,000 lbs	○	○
1,1-Dimethylhydrazine [Hydrazine, 1, 1-dimethyl-]	57-14-7	1.00%	10,000 lbs	○	○
2,2-Dimethylpropane [Propane, 2,2-dimethyl-]	463-82-1	1.00%	10,000 lbs	○	○
Ethane	74-84-0	1.00%	10,000 lbs	○	○
Ethyl acetylene [1-Butyne]	107-00-6	1.00%	10,000 lbs	○	○
Ethyl chloride [Ethane, chloro-]	75-00-3	1.00%	10,000 lbs	○	○
Ethyl ether [Ethane, 1,1-oxybis-]	60-29-7	1.00%	10,000 lbs	○	○

Chemical Name	CAS#	Min. Conc.	Screening Threshold Quantity	Do you manufacture, process, use, store, or distribute any of the following release flammable chemicals of interest (COI) at or above the screening threshold quantity at your facility?	
				Yes	No
Ethyl mercaptan [Ethanethiol]	75-08-1	1.00%	10,000 lbs	○	○
Ethyl nitrite [Nitrous acid, ethyl ester]	109-95-5	1.00%	10,000 lbs	○	○
Ethylamine [Ethanamine]	75-04-7	1.00%	10,000 lbs	○	○
Ethylene [Ethene]	74-85-1	1.00%	10,000 lbs	○	○
Ethylene oxide [Oxirane]	75-21-8	1.00%	10,000 lbs	○	○
Ethyleneimine [Aziridine]	151-56-4	1.00%	10,000 lbs	○	○
Furan	110-00-9	1.00%	10,000 lbs	○	○
Hydrazine	302-01-2	1.00%	10,000 lbs	○	○
Hydrogen	1333-74-0	1.00%	10,000 lbs	○	○
Hydrogen selenide	7783-07-5	1.00%	10,000 lbs	○	○
Iron, pentacarbonyl- [Iron carbonyl ($Fe(CO)_5$), (TB5-11)-]	13463-40-6	1.00%	10,000 lbs	○	○

Chemical Name	CAS#	Min. Conc.	Screening Threshold Quantity	Do you manufacture, process, use, store, or distribute any of the following release flammable chemicals of interest (COI) at or above the screening threshold quantity at your facility?	
				Yes	No
Isobutane [Propane, 2-methyl]	75-28-5	1.00%	10,000 lbs	○	○
Isopentane [Butane, 2-methyl-]	78-78-4	1.00%	10,000 lbs	○	○
Isoprene [1,3-Butadiene, 2-methyl-]	78-79-5	1.00%	10,000 lbs	○	○
Isopropyl chloride [Propane, 2-chloro-]	75-29-6	1.00%	10,000 lbs	○	○
Isopropylamine [2-Propanamine]	75-31-0	1.00%	10,000 lbs	○	○
Methane	74-82-8	1.00%	10,000 lbs	○	○
2-Methyl-1-butene	563-46-2	1.00%	10,000 lbs	○	○
3-Methyl-1-butene	563-45-1	1.00%	10,000 lbs	○	○
Methyl chloride [Methane, chloro-]	74-87-3	1.00%	10,000 lbs	○	○
Methyl chloroformate [Carbonochloridic acid, methyl ester]	79-22-1	1.00%	10,000 lbs	○	○

Chemical Name	CAS#	Min. Conc.	Screening Threshold Quantity	Do you manufacture, process, use, store, or distribute any of the following release flammable chemicals of interest (COI) at or above the screening threshold quantity at your facility?	
				Yes	No
Methyl ether [Methane, oxybis-]	115-10-6	1.00%	10,000 lbs	○	○
Methyl formate [Formic acid Methyl ester]	107-31-3	1.00%	10,000 lbs	○	○
Methyl mercaptan [Methanethiol]	74-93-1	1.00%	10,000 lbs	○	○
Methylamine [Methanamine]	74-89-5	1.00%	10,000 lbs	○	○
2-Methylpropene [1-Propene, 2-methyl-]	115-11-7	1.00%	10,000 lbs	○	○
Methyltrichlorosilane [Silane, trichloromethyl-]	75-79-6	1.00%	10,000 lbs	○	○
Nickel Carbonyl	13463-39-3	1.00%	10,000 lbs	○	○
1,3-Pentadiene	504-60-9	1.00%	10,000 lbs	○	○
Pentane	109-66-0	1.00%	10,000 lbs	○	○
1-Pentene	109-67-1	1.00%	10,000 lbs	○	○
2-Pentene,(E)-	646-04-8	1.00%	10,000 lbs	○	○

Chemical Name	CAS#	Min. Conc.	Screening Threshold Quantity	Do you manufacture, process, use, store, or distribute any of the following release flammable chemicals of interest (COI) at or above the screening threshold quantity at your facility?	
				Yes	No
2-Pentene, (Z)-	627-20-3	1.00%	10,000 lbs	○	○
Peracetic acid [Ethaneperoxic acid]	79-21-0	1.00%	10,000 lbs	○	○
Phosphine	7803-51-2	1.00%	10,000 lbs	○	○
Piperidine	110-89-4	1.00%	10,000 lbs	○	○
Propadiene [1,2-Propadiene]	463-49-0	1.00%	10,000 lbs	○	○
Propane	74-98-6	1.00%	60,000 lbs	○	○
Propyl chloroformate [Carbonchloridic acid, propylester]	109-61-5	1.00%	10,000 lbs	○	○
Propylene [1-Propene]	115-07-1	1.00%	10,000 lbs	○	○
Propylene oxide [Oxirane, methyl-]	75-56-9	1.00%	10,000 lbs	○	○
Propyne [1-Propyne]	74-99-7	1.00%	10,000 lbs	○	○
Silane	7803-62-5	1.00%	10,000 lbs	○	○

Chemical Name	CAS#	Min. Conc.	Screening Threshold Quantity	Do you manufacture, process, use, store, or distribute any of the following release flammable chemicals of interest (COI) at or above the screening threshold quantity at your facility?	
				Yes	No
Tetrafluoroethylene [Ethene, tetrafluoro-]	116-14-3	1.00%	10,000 lbs	○	○
Tetramethylsilane [Silane, tetramethyl-]	75-76-3	1.00%	10,000 lbs	○	○
Tetranitromethane [Methane, tetranitro-]	509-14-8	1.00%	10,000 lbs	○	○
Trichlorosilane [Silane, trichloro-]	10025-78-2	1.00%	10,000 lbs	○	○
Trifluorochloroethylene [Ethene, chlorotrifluoro]	79-38-9	1.00%	10,000 lbs	○	○
Trimethylamine [Methanamine, N,N-dimethyl-]	75-50-3	1.00%	10,000 lbs	○	○
Trimethylchlorosilane [Silane, chlorotrimethyl-]	75-77-4	1.00%	10,000 lbs	○	○
Vinyl acetate monomer [Acetic acid ethenyl ester]	108-05-4	1.00%	10,000 lbs	○	○
Vinyl acetylene [1-Buten-3-yne]	689-97-4	1.00%	10,000 lbs	○	○

Chemical Name	CAS#	Min. Conc.	Screening Threshold Quantity	Do you manufacture, process, use, store, or distribute any of the following release flammable chemicals of interest (COI) at or above the screening threshold quantity at your facility?	
				Yes	No
Vinyl chloride [Ethene, chloro-]	75-01-4	1.00%	10,000 lbs	○	○
Vinyl ethyl ether [Ethene, ethoxy-]	109-92-2	1.00%	10,000 lbs	○	○
Vinyl fluoride [Ethene, fluoro-]	75-02-5	1.00%	10,000 lbs	○	○
Vinyl methyl ether [Ethene, methoxy-]	107-25-5	1.00%	10,000 lbs	○	○
Vinylidene chloride [Ethene, 1,1-dichloro-]	75-35-4	1.00%	10,000 lbs	○	○
Vinylidene fluoride [Ethene, 1,1-difluoro-]	75-38-7	1.00%	10,000 lbs	○	○
Fuels: Bunker fuel				○	○
Fuels: Diesel				○	○
Fuels: Gasoline				○	○
Fuels: Home heating oil				○	○
Fuels: JP A (jet fuel)				○	○

Chemical Name	CAS#	Min. Conc.	Screening Threshold Quantity	Do you manufacture, process, use, store, or distribute any of the following release flammable chemicals of interest (COI) at or above the screening threshold quantity at your facility?	
				Yes	No
Fuels: JP 5 (jet fuel)				○	○
Fuels: JP 8 (jet fuel)				○	○
Fuels: Kerosene				○	○
Fuels: LPG				○	○

The list above has been reviewed and all chemicals of interest that the facility either currently possesses or possessed within the past 60 days at or above the screening threshold quantity have been indicated by selecting "Yes."
[Q:3.0-632]

○ Yes

○ No

Release Flammable Chemicals of Interest - Detail

Enter the total on-site quantity of the release flammable chemical of interest in pounds. Enter the quantity of the release flammable COI in the Area of Highest Quantity in pounds.

The total on-site quantity is the highest amount that the facility either currently possesses or possessed within the past 60 days. The Area of Highest Quantity (AHQ) is defined as an on-site area, with a radius of 170 feet, where the greatest amount of the release flammable COI is either currently present or has been present at any one time within the past 60 days. **This amount may differ from the total on-site quantity.** For release flammable COI, AHQ should be reported as an **aggregate amount of all release flammable COI located within the AHQ**. See the

downloadable Top-Screen Users Manual for instructions. **Round both quantities to two significant digits** (e.g., round 247500 pounds to 250000 pounds, and round 7625 pounds to 7600 pounds). Do not use commas when entering data.

Under CFATS, a COI is considered stored underground if it is stored in a containment vessel (e.g., a tank) that is physically buried in the ground, is stored in a containment vessel below grade, or stored in cavern or non-cavern type containment. Basement level storage would not be considered underground if the containment vessels are portable. If any amount of the COI is stored underground the facility must select *Yes*, and will then be required to answer a series of specific questions on underground storage.

Chemical Name	CAS#	Min. Conc.	Screening Threshold Quantity	Total On-site Quantity (pounds) [Q:3.1-131]	Quantity in AHQ (pounds) [Q:3.1-2794]	Is the Flammable COI Stored Underground? [Q:3.1-7967]	
						Yes	No
Acetaldehyde	75-07-0	1.00%	10,000 lbs			○	○
Acetylene [Ethyne]	74-86-2	1.00%	10,000 lbs			○	○
Acrylonitrile [2-Propenenitrile]	107-13-1	1.00%	10,000 lbs			○	○
Acrylyl chloride [2-Propenoyl chloride]	814-68-6	1.00%	10,000 lbs			○	○
Allylamine [2-Propen-1-amine]	107-11-9	1.00%	10,000 lbs			○	○
Bromotrifluorethylene [Ethene, bromotrifluoro-]	598-73-2	1.00%	10,000 lbs			○	○
1,3-Butadiene	106-99-0	1.00%	10,000 lbs			○	○
Butane	106-97-8	1.00%	10,000 lbs			○	○
Butene	25167-67-3	1.00%	10,000 lbs			○	○

Chemical Name	CAS#	Min. Conc.	Screening Threshold Quantity	Total On-site Quantity (pounds) [Q:3.1-131]	Quantity in AHQ (pounds) [Q:3.1-2794]	Is the Flammable COI Stored Underground? [Q:3.1-7967]	
						Yes	No
1-Butene	106-98-9	1.00%	10,000 lbs			○	○
2-Butene	107-01-7	1.00%	10,000 lbs			○	○
2-Butene-cis	590-18-1	1.00%	10,000 lbs			○	○
2-Butene-trans [2-Butene, (E)]	624-64-6	1.00%	10,000 lbs			○	○
Carbon oxysulfide [Carbon oxide sulfide (COS); carbonyl sulfide]	463-58-1	1.00%	10,000 lbs			○	○
Chlorine monoxide [Chlorine oxide]	7791-21-1	1.00%	10,000 lbs			○	○
1-Chloropropylene [1-Propene, 1-chloro-]	590-21-6	1.00%	10,000 lbs			○	○
2-Chloropropylene [1-Propene, 2-chloro-]	557-98-2	1.00%	10,000 lbs			○	○
Crotonaldehyde [2-Butenal]	4170-30-3	1.00%	10,000 lbs			○	○
Crotonaldehyde, (E)- [2-Butenal], (E)-]	123-73-9	1.00%	10,000 lbs			○	○
Cyanogen [Ethanedinitrile]	460-19-5	1.00%	10,000 lbs			○	○

Chemical Name	CAS#	Min. Conc.	Screening Threshold Quantity	Total On-site Quantity (pounds) [Q:3.1-131]	Quantity in AHQ (pounds) [Q:3.1-2794]	Is the Flammable COI Stored Underground? [Q:3.1-7967]	
						Yes	No
Cyclopropane	75-19-4	1.00%	10,000 lbs			○	○
Dichlorosilane [Silane, dichloro-]	4109-96-0	1.00%	10,000 lbs			○	○
Difluoroethane [Ethane, 1,1-difluoro-]	75-37-6	1.00%	10,000 lbs			○	○
Dimethylamine [Methanamine, N-methyl-]	124-40-3	1.00%	10,000 lbs			○	○
Dimethyldichlorosilane [Silane, dichlorodimethyl-]	75-78-5	1.00%	10,000 lbs			○	○
1,1-Dimethylhydrazine [Hydrazine, 1, 1-dimethyl-]	57-14-7	1.00%	10,000 lbs			○	○
2,2-Dimethylpropane [Propane, 2,2-dimethyl-]	463-82-1	1.00%	10,000 lbs			○	○
Ethane	74-84-0	1.00%	10,000 lbs			○	○
Ethyl acetylene [1-Butyne]	107-00-6	1.00%	10,000 lbs			○	○
Ethyl chloride [Ethane, chloro-]	75-00-3	1.00%	10,000 lbs			○	○
Ethyl ether [Ethane, 1,1-oxybis-]	60-29-7	1.00%	10,000 lbs			○	○

Chemical Name	CAS#	Min. Conc.	Screening Threshold Quantity	Total On-site Quantity (pounds) [Q:3.1-131]	Quantity in AHQ (pounds) [Q:3.1-2794]	Is the Flammable COI Stored Underground? [Q:3.1-7967]	
						Yes	No
Ethyl mercaptan [Ethanethiol]	75-08-1	1.00%	10,000 lbs			○	○
Ethyl nitrite [Nitrous acid, ethyl ester]	109-95-5	1.00%	10,000 lbs			○	○
Ethylamine [Ethanamine]	75-04-7	1.00%	10,000 lbs			○	○
Ethylene [Ethene]	74-85-1	1.00%	10,000 lbs			○	○
Ethylene oxide [Oxirane]	75-21-8	1.00%	10,000 lbs			○	○
Ethyleneimine [Aziridine]	151-56-4	1.00%	10,000 lbs			○	○
Furan	110-00-9	1.00%	10,000 lbs			○	○
Hydrazine	302-01-2	1.00%	10,000 lbs			○	○
Hydrogen	1333-74-0	1.00%	10,000 lbs			○	○
Hydrogen selenide	7783-07-5	1.00%	10,000 lbs			○	○
Iron, pentacarbonyl- [Iron carbonyl ($Fe(CO)_5$), (TB5-11)-]	13463-40-6	1.00%	10,000 lbs			○	○

Chemical Name	CAS#			[Q:3.1-131]	[Q:3.1-2794]	[Q:3.1-7967] Yes	No
Isobutane [Propane, 2-methyl]	75-28-5	1.00%	10,000 lbs				
Isopentane [Butane, 2-methyl-]	78-78-4	1.00%	10,000 lbs				
Isoprene [1,3-Butadiene, 2-methyl-]	78-79-5	1.00%	10,000 lbs				
Isopropyl chloride [Propane, 2-chloro-]	75-29-6	1.00%	10,000 lbs				
Isopropylamine [2-Propanamine]	75-31-0	1.00%	10,000 lbs				
Methane	74-82-8	1.00%	10,000 lbs				
2-Methyl-1-butene	563-46-2	1.00%	10,000 lbs				
3-Methyl-1-butene	563-45-1	1.00%	10,000 lbs				
Methyl chloride [Methane, chloro-]	74-87-3	1.00%	10,000 lbs				
Methyl chloroformate [Carbonochloridic acid, methyl ester]	79-22-1	1.00%	10,000 lbs				
Methyl ether [Methane, oxybis-]	115-10-6	1.00%	10,000 lbs				

Chemical Name	CAS#	Min. Conc.	Screening Threshold Quantity	Total On-site [Q:3.1-131]	Quantity in [Q:3.1-2794]	Is the Flammable COI Stored Underground? [Q:3.1-7967]	
						Yes	No
Methyl formate [Formic acid Methyl ester]	107-31-3	1.00%	10,000 lbs			○	○
Methyl mercaptan [Methanethiol]	74-93-1	1.00%	10,000 lbs			○	○
Methylamine [Methanamine]	115-11-7	1.00%	10,000 lbs			○	○
2-Methylpropene [1-Propene, 2-methyl-]	74-89-5	1.00%	10,000 lbs			○	○
Methyltrichlorosilane [Silane, trichloromethyl-]	75-79-6	1.00%	10,000 lbs			○	○
Nickel Carbonyl	13463-39-3	1.00%	10,000 lbs			○	○
1,3-Pentadiene	504-60-9	1.00%	10,000 lbs			○	○
Pentane	109-66-0	1.00%	10,000 lbs			○	○
1-Pentene	109-67-1	1.00%	10,000 lbs			○	○
2-Pentene,(E)-	646-04-8	1.00%	10,000 lbs			○	○
2-Pentene, (Z)-	627-20-3	1.00%	10,000 lbs			○	○
Peracetic acid [Ethaneperoxic acid]	79-21-0	1.00%	10,000 lbs			○	○
Phosphine	7803-51-2	1.00%	10,000 lbs			○	○

Chemical Name	CAS#	Min. Conc.	Screening Threshold Quantity	Total On-site Quantity (pounds) [Q:3.1-131]	Quantity in [Q:3.1-2794]	Is the Flammable [Q:3.1-7967]	
						Yes	No
Piperidine	110-89-4	1.00%	10,000 lbs			○	○
Propadiene [1,2-Propadiene]	463-49-0	1.00%	10,000 lbs			○	○
Propane	74-98-6	1.00%	60,000 lbs			○	○
Propyl chloroformate [Carbonchloridic acid, propylester]	109-61-5	1.00%	10,000 lbs			○	○
Propylene [1-Propene]	115-07-1	1.00%	10,000 lbs			○	○
Propylene oxide [Oxirane, methyl-]	75-56-9	1.00%	10,000 lbs			○	○
Propyne [1-Propyne]	74-99-7	1.00%	10,000 lbs			○	○
Silane	7803-62-5	1.00%	10,000 lbs			○	○
Tetrafluoroethylene [Ethene, tetrafluoro-]	116-14-3	1.00%	10,000 lbs			○	○
Tetramethylsilane [Silane, tetramethyl-]	75-76-3	1.00%	10,000 lbs			○	○
Tetranitromethane [Methane, tetranitro-]	509-14-8	1.00%	10,000 lbs			○	○

Chemical Name	CAS#	Min. Conc.	Screening Threshold Quantity	Total On-site Quantity (pounds) [Q:3.1-131]	Quantity in AHQ (pounds) [Q:3.1-2794]	Is the Flammable COI Stored Underground? [Q:3.1-7967]	
						Yes	No
Trichlorosilane [Silane, trichloro-]	10025-78-2	1.00%	10,000 lbs			○	○
Trifluorochloroethylene [Ethene, chlorotrifluoro]	79-38-9	1.00%	10,000 lbs			○	○
Trimethylamine [Methanamine, N,N-dimethyl-]	75-50-3	1.00%	10,000 lbs			○	○
Trimethylchlorosilane [Silane, chlorotrimethyl-]	75-77-4	1.00%	10,000 lbs			○	○
Vinyl acetate monomer [Acetic acid ethenyl ester]	108-05-4	1.00%	10,000 lbs			○	○
Vinyl acetylene [1-Buten-3-yne]	689-97-4	1.00%	10,000 lbs			○	○
Vinyl chloride [Ethene, chloro-]	75-01-4	1.00%	10,000 lbs			○	○
Vinyl ethyl ether [Ethene, ethoxy-]	109-92-2	1.00%	10,000 lbs			○	○
Vinyl fluoride [Ethene, fluoro-]	75-02-5	1.00%	10,000 lbs			○	○
Vinyl methyl ether [Ethene, methoxy-]	107-25-5	1.00%	10,000 lbs			○	○

Chemical Name	CAS#	Min. Conc.	Screening Threshold Quantity	Total On-site Quantity (pounds) [Q:3.1-131]	Quantity in AHQ (pounds) [Q:3.1-2794]	Is the Flammable COI Stored Underground? [Q:3.1-7967]	
						Yes	No
Vinylidene chloride [Ethene, 1,1-dichloro-]	75-35-4	1.00%	10,000 lbs			○	○
Vinylidene fluoride [Ethene, 1,1-difluoro-]	75-38-7	1.00%	10,000 lbs			○	○
Fuels: Bunker fuel						○	○
Fuels: Diesel						○	○
Fuels: Gasoline						○	○
Fuels: Home heating oil						○	○
Fuels: JP A (jet fuel)						○	○
Fuels: JP 5 (jet fuel)						○	○
Fuels: JP 8 (jet fuel)						○	○
Fuels: Kerosene						○	○
Fuels: LPG						○	○

If the answer to question [Q:3.0-129], "Do you manufacture, process, use, store, or distribute any of the following release flammable chemicals of interest (COI) at or above the screening threshold quantity at your facility?" is "No" for ***Fuels:*** *Gasoline, skip the gasoline storage questions.*

Gasoline Storage Detail

Is gasoline stored in aboveground atmospheric tanks?
[Q:3.11-13415]

- ○ Yes
- ○ No

If Yes, provide the following details about aboveground gasoline storage.

Gasoline Stored in Aboveground Atmospheric Tanks

Round quantities to two significant digits (e.g., round 24750 gallons to 25000 gallons, and round 3625 feet to 3600 feet).

What is the facility's maximum gasoline storage capacity (in gallons, based on design capacity) taking into consideration Federal, State, and local laws and regulations?
[Q:3.12-13416]

What is the facility's single largest gasoline storage vessel (in gallons, based on design capacity) taking into consideration Federal, State, and local laws and regulations?
[Q:3.12-13417]

What is the shortest distance (in feet) from a large gasoline storage tank to offsite businesses or retail areas where another company's employees or members of the public would be located?
[Q:3.12-13418]

For purposes of this question, typically a “large storage tank” is defined as 30,000 gallons or greater (based on design capacity) taking into account Federal, State, and local laws and regulations, however enter the shortest distance from the largest gasoline storage tank at the facility..

What is the shortest distance (in feet) from a large gasoline storage tank to offsite residences?
[Q:3.12-13419]

For purposes of this question, typically a “large storage tank” is defined as 30,000 gallons or greater (based on design capacity) taking into account Federal, State, and local laws and regulations, however enter the shortest distance from the largest gasoline storage tank at the facility..

What is your estimate of the largest population (either daytime or nighttime) other than onsite employees/contractors within nearby distances from any large gasoline storage tank or containment area?

Within 250 feet?
[Q:3.12-13420]

Within 500 feet?
[Q:3.12-13422]

Within 1,000 feet?
[Q:3.12-13423]

What is the source or basis for this estimate?
[Q:3.12-13421]

For each chemical that the answer to question [Q:3.1-7967]*, "Is the Flammable COI Stored Underground?" is "Yes", answer the following; or if the answer is "No" for all chemicals, go to Release Explosives (page 104)*

Underground Storage for Release Flammable COI Detail

Select the underground storage categories that apply to each underground COI.

- A storage tank is a man-made cylindrical or spherical container that is used for the storage of chemicals.
- Cavern/non-cavern type containment is a below-the-surface natural earth formation used for storage of chemicals. Examples include aquifers, depleted reservoirs, and salt caverns.

Chemical Name	CAS#	Min. Conc.	Screening Threshold Quantity	Is the COI stored in bulk tanks? [Q:3.2-12712]		Is the COI stored in cavern/non-cavern type containment? [Q:3.2-12713]	
				Yes	No	Yes	No
Acetaldehyde	75-07-0	1.00%	10,000 lbs	○	○	○	○
Acetylene [Ethyne]	74-86-2	1.00%	10,000 lbs	○	○	○	○
Acrylonitrile [2-Propenenitrile]	107-13-1	1.00%	10,000 lbs	○	○	○	○
Acrylyl chloride [2-Propenoyl chloride]	814-68-6	1.00%	10,000 lbs	○	○	○	○
Allylamine [2-Propen-1-amine]	107-11-9	1.00%	10,000 lbs	○	○	○	○
Bromotrifluorethylene [Ethene, bromotrifluoro-]	598-73-2	1.00%	10,000 lbs	○	○	○	○
1,3-Butadiene	106-99-0	1.00%	10,000 lbs	○	○	○	○
Butane	106-97-8	1.00%	10,000 lbs	○	○	○	○
Butene	25167-67-3	1.00%	10,000 lbs	○	○	○	○
1-Butene	106-98-9	1.00%	10,000 lbs	○	○	○	○
2-Butene	107-01-7	1.00%	10,000 lbs	○	○	○	○
2-Butene-cis	590-18-1	1.00%	10,000 lbs	○	○	○	○

Chemical Name	CAS#	Min. Conc.	Screening Threshold Quantity	Is the COI stored in bulk tanks? [Q:3.2-12712]		Is the COI stored in cavern/non-cavern type containment? [Q:3.2-12713]	
				Yes	No	Yes	No
2-Butene-trans [2-Butene, (E)]	624-64-6	1.00%	10,000 lbs	○	○	○	○
Carbon oxysulfide [Carbon oxide sulfide (COS); carbonyl sulfide]	463-58-1	1.00%	10,000 lbs	○	○	○	○
Chlorine monoxide [Chlorine oxide]	7791-21-1	1.00%	10,000 lbs	○	○	○	○
1-Chloropropylene [1-Propene, 1-chloro-]	590-21-6	1.00%	10,000 lbs	○	○	○	○
2-Chloropropylene [1-Propene, 2-chloro-]	557-98-2	1.00%	10,000 lbs	○	○	○	○
Crotonaldehyde [2-Butenal]	4170-30-3	1.00%	10,000 lbs	○	○	○	○
Crotonaldehyde, (E)- [2-Butenal], (E)-]	123-73-9	1.00%	10,000 lbs	○	○	○	○
Cyanogen [Ethanedinitrile]	460-19-5	1.00%	10,000 lbs	○	○	○	○
Cyclopropane	75-19-4	1.00%	10,000 lbs	○	○	○	○
Dichlorosilane [Silane, dichloro-]	4109-96-0	1.00%	10,000 lbs	○	○	○	○

Chemical Name	CAS#	Min. Conc.	Screening Threshold Quantity	Is the COI stored in bulk tanks? [Q:3.2-12712]		Is the COI stored in cavern/non-cavern type containment? [Q:3.2-12713]	
				Yes	No	Yes	No
Difluoroethane [Ethane, 1,1-difluoro-]	75-37-6	1.00%	10,000 lbs	○	○	○	○
Dimethylamine [Methanamine, N-methyl-]	124-40-3	1.00%	10,000 lbs	○	○	○	○
Dimethyldichlorosilane [Silane, dichlorodimethyl-]	75-78-5	1.00%	10,000 lbs	○	○	○	○
1,1-Dimethylhydrazine [Hydrazine, 1, 1-dimethyl-]	57-14-7	1.00%	10,000 lbs	○	○	○	○
2,2-Dimethylpropane [Propane, 2,2-dimethyl-]	463-82-1	1.00%	10,000 lbs	○	○	○	○
Ethane	74-84-0	1.00%	10,000 lbs	○	○	○	○
Ethyl acetylene [1-Butyne]	107-00-6	1.00%	10,000 lbs	○	○	○	○
Ethyl chloride [Ethane, chloro-]	75-00-3	1.00%	10,000 lbs	○	○	○	○
Ethyl ether [Ethane, 1,1-oxybis-]	60-29-7	1.00%	10,000 lbs	○	○	○	○
Ethyl mercaptan [Ethanethiol]	75-08-1	1.00%	10,000 lbs	○	○	○	○

Chemical Name	CAS#	Min. Conc.	Screening Threshold Quantity	Is the COI stored in bulk tanks? [Q:3.2-12712]		Is the COI stored in cavern/non-cavern type containment? [Q:3.2-12713]	
				Yes	No	Yes	No
Ethyl nitrite [Nitrous acid, ethyl ester]	109-95-5	1.00%	10,000 lbs	○	○	○	○
Ethylamine [Ethanamine]	75-04-7	1.00%	10,000 lbs	○	○	○	○
Ethylene [Ethene]	74-85-1	1.00%	10,000 lbs	○	○	○	○
Ethylene oxide [Oxirane]	75-21-8	1.00%	10,000 lbs	○	○	○	○
Ethyleneimine [Aziridine]	151-56-4	1.00%	10,000 lbs	○	○	○	○
Furan	110-00-9	1.00%	10,000 lbs	○	○	○	○
Hydrazine	302-01-2	1.00%	10,000 lbs	○	○	○	○
Hydrogen	1333-74-0	1.00%	10,000 lbs	○	○	○	○
Hydrogen selenide	7783-07-5	1.00%	10,000 lbs	○	○	○	○
Iron, pentacarbonyl- [Iron carbonyl ($Fe(CO)_5$), (TB5-11)-]	13463-40-6	1.00%	10,000 lbs	○	○	○	○
Isobutane [Propane, 2-methyl]	75-28-5	1.00%	10,000 lbs	○	○	○	○

Chemical Name	CAS#	Min. Conc.	Screening Threshold Quantity	Is the COI stored in bulk tanks? [Q:3.2-12712]		Is the COI stored in cavern/non-cavern type containment? [Q:3.2-12713]	
				Yes	No	Yes	No
Isopentane [Butane, 2-methyl-]	78-78-4	1.00%	10,000 lbs	○	○	○	○
Isoprene [1,3-Butadiene, 2-methyl-]	78-79-5	1.00%	10,000 lbs	○	○	○	○
Isopropyl chloride [Propane, 2-chloro-]	75-29-6	1.00%	10,000 lbs	○	○	○	○
Isopropylamine [2-Propanamine]	75-31-0	1.00%	10,000 lbs	○	○	○	○
Methane	74-82-8	1.00%	10,000 lbs	○	○	○	○
2-Methyl-1-butene	563-46-2	1.00%	10,000 lbs	○	○	○	○
3-Methyl-1-butene	563-45-1	1.00%	10,000 lbs	○	○	○	○
Methyl chloride [Methane, chloro-]	74-87-3	1.00%	10,000 lbs	○	○	○	○
Methyl chloroformate [Carbonochloridic acid, methyl ester]	79-22-1	1.00%	10,000 lbs	○	○	○	○
Methyl ether [Methane, oxybis-]	115-10-6	1.00%	10,000 lbs	○	○	○	○
Methyl formate [Formic acid Methyl ester]	107-31-3	1.00%	10,000 lbs	○	○	○	○

Chemical Name	CAS#	Min. Conc.	Screening Threshold Quantity	Is the COI stored in bulk tanks? [Q:3.2-12712]		Is the COI stored in cavern/non-cavern type containment? [Q:3.2-12713]	
				Yes	No	Yes	No
Methyl mercaptan [Methanethiol]	74-93-1	1.00%	10,000 lbs	○	○	○	○
Methylamine [Methanamine]	115-11-7	1.00%	10,000 lbs	○	○	○	○
2-Methylpropene [1-Propene, 2-methyl-]	74-89-5	1.00%	10,000 lbs	○	○	○	○
Methyltrichlorosilane [Silane, trichloromethyl-]	75-79-6	1.00%	10,000 lbs	○	○	○	○
Nickel Carbonyl	13463-39-3	1.00%	10,000 lbs	○	○	○	○
1,3-Pentadiene	504-60-9	1.00%	10,000 lbs	○	○	○	○
Pentane	109-66-0	1.00%	10,000 lbs	○	○	○	○
1-Pentene	109-67-1	1.00%	10,000 lbs	○	○	○	○
2-Pentene,(E)-	646-04-8	1.00%	10,000 lbs	○	○	○	○
2-Pentene, (Z)-	627-20-3	1.00%	10,000 lbs	○	○	○	○
Peracetic acid [Ethaneperoxic acid]	79-21-0	1.00%	10,000 lbs	○	○	○	○
Phosphine	7803-51-2	1.00%	10,000 lbs	○	○	○	○
Piperidine	110-89-4	1.00%	10,000 lbs	○	○	○	○

Chemical Name	CAS#	Min. Conc.	Screening Threshold Quantity	Is the COI stored in bulk tanks? [Q:3.2-12712]		Is the COI stored in cavern/non-cavern type containment? [Q:3.2-12713]	
				Yes	No	Yes	No
Propadiene [1,2-Propadiene]	463-49-0	1.00%	10,000 lbs	○	○	○	○
Propane	74-98-6	1.00%	60,000 lbs	○	○	○	○
Propyl chloroformate [Carbonchloridic acid, propylester]	109-61-5	1.00%	10,000 lbs	○	○	○	○
Propylene [1-Propene]	115-07-1	1.00%	10,000 lbs	○	○	○	○
Propylene oxide [Oxirane, methyl-]	75-56-9	1.00%	10,000 lbs	○	○	○	○
Propyne [1-Propyne]	74-99-7	1.00%	10,000 lbs	○	○	○	○
Silane	7803-62-5	1.00%	10,000 lbs	○	○	○	○
Tetrafluoroethylene [Ethene, tetrafluoro-]	116-14-3	1.00%	10,000 lbs	○	○	○	○
Tetramethylsilane [Silane, tetramethyl-]	75-76-3	1.00%	10,000 lbs	○	○	○	○
Tetranitromethane [Methane, tetranitro-]	509-14-8	1.00%	10,000 lbs	○	○	○	○
Trichlorosilane [Silane, trichloro-]	10025-78-2	1.00%	10,000 lbs	○	○	○	○

Chemical Name	CAS#	Min. Conc.	Screening Threshold Quantity	Is the COI stored in bulk tanks? [Q:3.2-12712]		Is the COI stored in cavern/non-cavern type containment? [Q:3.2-12713]	
				Yes	No	Yes	No
Trifluorochloroethylene [Ethene, chlorotrifluoro]	79-38-9	1.00%	10,000 lbs	○	○	○	○
Trimethylamine [Methanamine, N,N-dimethyl-]	75-50-3	1.00%	10,000 lbs	○	○	○	○
Trimethylchlorosilane [Silane, chlorotrimethyl-]	75-77-4	1.00%	10,000 lbs	○	○	○	○
Vinyl acetate monomer [Acetic acid ethenyl ester]	108-05-4	1.00%	10,000 lbs	○	○	○	○
Vinyl acetylene [1-Buten-3-yne]	689-97-4	1.00%	10,000 lbs	○	○	○	○
Vinyl chloride [Ethene, chloro-]	75-01-4	1.00%	10,000 lbs	○	○	○	○
Vinyl ethyl ether [Ethene, ethoxy-]	109-92-2	1.00%	10,000 lbs	○	○	○	○
Vinyl fluoride [Ethene, fluoro-]	75-02-5	1.00%	10,000 lbs	○	○	○	○
Vinyl methyl ether [Ethene, methoxy-]	107-25-5	1.00%	10,000 lbs	○	○	○	○
Vinylidene chloride [Ethene, 1,1-dichloro-]	75-35-4	1.00%	10,000 lbs	○	○	○	○

Chemical Name	CAS#	Min. Conc.	Screening Threshold Quantity	Is the COI stored in bulk tanks? [Q:3.2-12712]		Is the COI stored in cavern/non-cavern type containment? [Q:3.2-12713]	
				Yes	No	Yes	No
Vinylidene fluoride [Ethene, 1,1-difluoro-]	75-38-7	1.00%	10,000 lbs	○	○	○	○
Fuels: Bunker fuel				○	○	○	○
Fuels: Diesel				○	○	○	○
Fuels: Gasoline				○	○	○	○
Fuels: Home heating oil				○	○	○	○
Fuels: JP A (jet fuel)				○	○	○	○
Fuels: JP 5 (jet fuel)				○	○	○	○
Fuels: JP 8 (jet fuel)				○	○	○	○
Fuels: Kerosene				○	○	○	○
Fuels: LPG				○	○	○	○

Underground Storage for Release Flammable COI (continued)

The following questions regarding underground storage should only be answered about the amount of COI stored underground in bulk tanks.

- Enter the number of underground storage tanks.
- Enter the collective capacity of the underground tanks (pounds).
- Enter the distance from underground tank(s) to the nearest infrastructure (in feet) that is not associated with the underground storage operation. Infrastructure may include buildings, bridges, or other above ground structures or pipelines.

Chemical Name	CAS#	Min. Conc.	Screening Threshold Quantity	Number of Underground Tanks [Q:3.3-7960]	Collective Capacity of Underground Tanks (pounds) [Q:3.3-7961]	Distance to Nearest Infrastructure (feet) [Q:3.3-7962]
Acetaldehyde	75-07-0	1.00%	10,000 lbs			
Acetylene [Ethyne]	74-86-2	1.00%	10,000 lbs			
Acrylonitrile [2-Propenenitrile]	107-13-1	1.00%	10,000 lbs			
Acrylyl chloride [2-Propenoyl chloride]	814-68-6	1.00%	10,000 lbs			
Allylamine [2-Propen-1-amine]	107-11-9	1.00%	10,000 lbs			
Bromotrifluorethylene [Ethene, bromotrifluoro-]	598-73-2	1.00%	10,000 lbs			
1,3-Butadiene	106-99-0	1.00%	10,000 lbs			
Butane	106-97-8	1.00%	10,000 lbs			
Butene	25167-67-3	1.00%	10,000 lbs			

Chemical Name	CAS#	Min. Conc.	Screening Threshold Quantity	Number of Underground Tanks [Q:3.3-7960]	Collective Capacity of Underground Tanks (pounds) [Q:3.3-7961]	Distance to Nearest Infrastructure (feet) [Q:3.3-7962]
1-Butene	106-98-9	1.00%	10,000 lbs			
2-Butene	107-01-7	1.00%	10,000 lbs			
2-Butene-cis	590-18-1	1.00%	10,000 lbs			
2-Butene-trans [2-Butene, (E)]	624-64-6	1.00%	10,000 lbs			
Carbon oxysulfide [Carbon oxide sulfide (COS); carbonyl sulfide]	463-58-1	1.00%	10,000 lbs			
Chlorine monoxide [Chlorine oxide]	7791-21-1	1.00%	10,000 lbs			
1-Chloropropylene [1-Propene, 1-chloro-]	590-21-6	1.00%	10,000 lbs			
2-Chloropropylene [1-Propene, 2-chloro-]	557-98-2	1.00%	10,000 lbs			
Crotonaldehyde [2-Butenal]	4170-30-3	1.00%	10,000 lbs			
Crotonaldehyde, (E)- [2-Butenal], (E)-]	123-73-9	1.00%	10,000 lbs			
Cyanogen [Ethanedinitrile]	460-19-5	1.00%	10,000 lbs			

Chemical Name	CAS#	Min. Conc.	Screening Threshold Quantity	Number of Underground Tanks [Q:3.3-7960]	Collective Capacity of Underground Tanks (pounds) [Q:3.3-7961]	Distance to Nearest Infrastructure (feet) [Q:3.3-7962]
Cyclopropane	75-19-4	1.00%	10,000 lbs			
Dichlorosilane [Silane, dichloro-]	4109-96-0	1.00%	10,000 lbs			
Difluoroethane [Ethane, 1,1-difluoro-]	75-37-6	1.00%	10,000 lbs			
Dimethylamine [Methanamine, N-methyl-]	124-40-3	1.00%	10,000 lbs			
Dimethyldichlorosilane [Silane, dichlorodimethyl-]	75-78-5	1.00%	10,000 lbs			
1,1-Dimethylhydrazine [Hydrazine, 1, 1-dimethyl-]	57-14-7	1.00%	10,000 lbs			
2,2-Dimethylpropane [Propane, 2,2-dimethyl-]	463-82-1	1.00%	10,000 lbs			
Ethane	74-84-0	1.00%	10,000 lbs			
Ethyl acetylene [1-Butyne]	107-00-6	1.00%	10,000 lbs			
Ethyl chloride [Ethane, chloro-]	75-00-3	1.00%	10,000 lbs			
Ethyl ether [Ethane, 1,1-oxybis-]	60-29-7	1.00%	10,000 lbs			

Chemical Name	CAS#	Min. Conc.	Screening Threshold Quantity	Number of Underground Tanks [Q:3.3-7960]	Collective Capacity of Underground Tanks (pounds) [Q:3.3-7961]	Distance to Nearest Infrastructure (feet) [Q:3.3-7962]
Ethyl mercaptan [Ethanethiol]	75-08-1	1.00%	10,000 lbs			
Ethyl nitrite [Nitrous acid, ethyl ester]	109-95-5	1.00%	10,000 lbs			
Ethylamine [Ethanamine]	75-04-7	1.00%	10,000 lbs			
Ethylene [Ethene]	74-85-1	1.00%	10,000 lbs			
Ethylene oxide [Oxirane]	75-21-8	1.00%	10,000 lbs			
Ethyleneimine [Aziridine]	151-56-4	1.00%	10,000 lbs			
Furan	110-00-9	1.00%	10,000 lbs			
Hydrazine	302-01-2	1.00%	10,000 lbs			
Hydrogen	1333-74-0	1.00%	10,000 lbs			
Hydrogen selenide	7783-07-5	1.00%	10,000 lbs			
Iron, pentacarbonyl- [Iron carbonyl ($Fe(CO)_5$), (TB5-11)-]	13463-40-6	1.00%	10,000 lbs			

Chemical Name	CAS#	Min. Conc.	Screening Threshold Quantity	Number of Underground Tanks [Q:3.3-7960]	Collective Capacity of Underground Tanks (pounds) [Q:3.3-7961]	Distance to Nearest Infrastructure (feet) [Q:3.3-7962]
Isobutane [Propane, 2-methyl]	75-28-5	1.00%	10,000 lbs			
Isopentane [Butane, 2-methyl-]	78-78-4	1.00%	10,000 lbs			
Isoprene [1,3-Butadiene, 2-methyl-]	78-79-5	1.00%	10,000 lbs			
Isopropyl chloride [Propane, 2-chloro-]	75-29-6	1.00%	10,000 lbs			
Isopropylamine [2-Propanamine]	75-31-0	1.00%	10,000 lbs			
Methane	74-82-8	1.00%	10,000 lbs			
2-Methyl-1-butene	563-46-2	1.00%	10,000 lbs			
3-Methyl-1-butene	563-45-1	1.00%	10,000 lbs			
Methyl chloride [Methane, chloro-]	74-87-3	1.00%	10,000 lbs			
Methyl chloroformate [Carbonochloridic acid, methyl ester]	79-22-1	1.00%	10,000 lbs			
Methyl ether [Methane, oxybis-]	115-10-6	1.00%	10,000 lbs			

Chemical Name	CAS#	Min. Conc.	Screening Threshold Quantity	Number of Underground Tanks [Q:3.3-7960]	Collective Capacity of Underground Tanks (pounds) [Q:3.3-7961]	Distance to Nearest Infrastructure (feet) [Q:3.3-7962]
Methyl formate [Formic acid Methyl ester]	107-31-3	1.00%	10,000 lbs			
Methyl mercaptan [Methanethiol]	74-93-1	1.00%	10,000 lbs			
Methylamine [Methanamine]	115-11-7	1.00%	10,000 lbs			
2-Methylpropene [1-Propene, 2-methyl-]	74-89-5	1.00%	10,000 lbs			
Methyltrichlorosilane [Silane, trichloromethyl-]	75-79-6	1.00%	10,000 lbs			
Nickel Carbonyl	13463-39-3	1.00%	10,000 lbs			
1,3-Pentadiene	504-60-9	1.00%	10,000 lbs			
Pentane	109-66-0	1.00%	10,000 lbs			
1-Pentene	109-67-1	1.00%	10,000 lbs			
2-Pentene,(E)-	646-04-8	1.00%	10,000 lbs			
2-Pentene, (Z)-	627-20-3	1.00%	10,000 lbs			
Peracetic acid [Ethaneperoxic acid]	79-21-0	1.00%	10,000 lbs			
Phosphine	7803-51-2	1.00%	10,000 lbs			

Chemical Name	CAS#	Min. Conc.	Screening Threshold Quantity	Number of Underground Tanks [Q:3.3-7960]	Collective Capacity of Underground Tanks (pounds) [Q:3.3-7961]	Distance to Nearest Infrastructure (feet) [Q:3.3-7962]
Piperidine	110-89-4	1.00%	10,000 lbs			
Propadiene [1,2-Propadiene]	463-49-0	1.00%	10,000 lbs			
Propane	74-98-6	1.00%	60,000 lbs			
Propyl chloroformate [Carbonchloridic acid, propylester]	109-61-5	1.00%	10,000 lbs			
Propylene [1-Propene]	115-07-1	1.00%	10,000 lbs			
Propylene oxide [Oxirane, methyl-]	75-56-9	1.00%	10,000 lbs			
Propyne [1-Propyne]	74-99-7	1.00%	10,000 lbs			
Silane	7803-62-5	1.00%	10,000 lbs			
Tetrafluoroethylene [Ethene, tetrafluoro-]	116-14-3	1.00%	10,000 lbs			
Tetramethylsilane [Silane, tetramethyl-]	75-76-3	1.00%	10,000 lbs			
Tetranitromethane [Methane, tetranitro-]	509-14-8	1.00%	10,000 lbs			

Chemical Name	CAS#	Min. Conc.	Screening Threshold Quantity	Number of Underground Tanks [Q:3.3-7960]	Collective Capacity of Underground Tanks (pounds) [Q:3.3-7961]	Distance to Nearest Infrastructure (feet) [Q:3.3-7962]
Trichlorosilane [Silane, trichloro-]	10025-78-2	1.00%	10,000 lbs			
Trifluorochloroethylene [Ethene, chlorotrifluoro]	79-38-9	1.00%	10,000 lbs			
Trimethylamine [Methanamine, N,N-dimethyl-]	75-50-3	1.00%	10,000 lbs			
Trimethylchlorosilane [Silane, chlorotrimethyl-]	75-77-4	1.00%	10,000 lbs			
Vinyl acetate monomer [Acetic acid ethenyl ester]	108-05-4	1.00%	10,000 lbs			
Vinyl acetylene [1-Buten-3-yne]	689-97-4	1.00%	10,000 lbs			
Vinyl chloride [Ethene, chloro-]	75-01-4	1.00%	10,000 lbs			
Vinyl ethyl ether [Ethene, ethoxy-]	109-92-2	1.00%	10,000 lbs			
Vinyl fluoride [Ethene, fluoro-]	75-02-5	1.00%	10,000 lbs			
Vinyl methyl ether [Ethene, methoxy-]	107-25-5	1.00%	10,000 lbs			

Chemical Name	CAS#	Min. Conc.	Screening Threshold Quantity	Number of Underground Tanks [Q:3.3-7960]	Collective Capacity of Underground Tanks (pounds) [Q:3.3-7961]	Distance to Nearest Infrastructure (feet) [Q:3.3-7962]
Vinylidene chloride [Ethene, 1,1-dichloro-]	75-35-4	1.00%	10,000 lbs			
Vinylidene fluoride [Ethene, 1,1-difluoro-]	75-38-7	1.00%	10,000 lbs			
Fuels: Bunker fuel						
Fuels: Diesel						
Fuels: Gasoline						
Fuels: Home heating oil						
Fuels: JP A (jet fuel)						
Fuels: JP 5 (jet fuel)						
Fuels: JP 8 (jet fuel)						
Fuels: Kerosene						
Fuels: LPG						

The following questions regarding underground storage should only be answered about the amount of COI stored underground in bulk tanks.

- Enter the pressure rating of tank(s) (psig).
- Is/Are the tank(s) double walled?
- Enter depth (from ground surface to tank top) of underground storage tanks (feet).
- Select the underground storage type

Buried storage is set in the ground and covered by soil. *Below grade* storage is set entirely below the surface of the ground in a storage pit but is not covered by soil.

Chemical Name	CAS#	Min. Conc.	Screening Threshold Quantity	Pressure Rating of Tank(s) (psig) [Q:3.4-7964]	Tank(s) Double Walled? [Q:3.4-7965]		Depth of Underground Tanks (feet) [Q:3.4-7966]	Underground Storage Type [Q:3.4-12714]	
					Yes	No		Buried	Below grade
Acetaldehyde	75-07-0	1.00%	10,000 lbs		○	○		○	○
Acetylene [Ethyne]	74-86-2	1.00%	10,000 lbs		○	○		○	○
Acrylonitrile [2-Propenenitrile]	107-13-1	1.00%	10,000 lbs		○	○		○	○
Acrylyl chloride [2-Propenoyl chloride]	814-68-6	1.00%	10,000 lbs		○	○		○	○
Allylamine [2-Propen-1-amine]	107-11-9	1.00%	10,000 lbs		○	○		○	○
Bromotrifluorethylene [Ethene, bromotrifluoro-]	598-73-2	1.00%	10,000 lbs		○	○		○	○
1,3-Butadiene	106-99-0	1.00%	10,000 lbs		○	○		○	○
Butane	106-97-8	1.00%	10,000 lbs		○	○		○	○

Chemical Name	CAS#	Min. Conc.	Screening Threshold Quantity	Pressure Rating of Tank(s) (psig) [Q:3.4-7964]	Tank(s) Double Walled? [Q:3.4-7965]		Depth of Underground Tanks (feet) [Q:3.4-7966]	Underground Storage Type [Q:3.4-12714]	
					Yes	No		Buried	Below grade
Butene	25167-67-3	1.00%	10,000 lbs		○	○		○	○
1-Butene	106-98-9	1.00%	10,000 lbs		○	○		○	○
2-Butene	107-01-7	1.00%	10,000 lbs		○	○		○	○
2-Butene-cis	590-18-1	1.00%	10,000 lbs		○	○		○	○
2-Butene-trans [2-Butene, (E)]	624-64-6	1.00%	10,000 lbs		○	○		○	○
Carbon oxysulfide [Carbon oxide sulfide (COS); carbonyl sulfide]	463-58-1	1.00%	10,000 lbs		○	○		○	○
Chlorine monoxide [Chlorine oxide]	7791-21-1	1.00%	10,000 lbs		○	○		○	○
1-Chloropropylene [1-Propene, 1-chloro-]	590-21-6	1.00%	10,000 lbs		○	○		○	○
2-Chloropropylene [1-Propene, 2-chloro-]	557-98-2	1.00%	10,000 lbs		○	○		○	○
Crotonaldehyde [2-Butenal]	4170-30-3	1.00%	10,000 lbs		○	○		○	○
Crotonaldehyde, (E)- [2-Butenal], (E)-]	123-73-9	1.00%	10,000 lbs		○	○		○	○
Cyanogen [Ethanedinitrile]	460-19-5	1.00%	10,000 lbs		○	○		○	○

Chemical Name	CAS#	Min. Conc.	Screening Threshold Quantity	Pressure Rating of Tank(s) (psig) [Q:3.4-7964]	Tank(s) Double Walled? [Q:3.4-7965]		Depth of Underground Tanks (feet) [Q:3.4-7966]	Underground Storage Type [Q:3.4-12714]	
					Yes	No		Buried	Below grade
Cyclopropane	75-19-4	1.00%	10,000 lbs		○	○		○	○
Dichlorosilane [Silane, dichloro-]	4109-96-0	1.00%	10,000 lbs		○	○		○	○
Difluoroethane [Ethane, 1,1-difluoro-]	75-37-6	1.00%	10,000 lbs		○	○		○	○
Dimethylamine [Methanamine, N-methyl-]	124-40-3	1.00%	10,000 lbs		○	○		○	○
Dimethyldichlorosilane [Silane, dichlorodimethyl-]	75-78-5	1.00%	10,000 lbs		○	○		○	○
1,1-Dimethylhydrazine [Hydrazine, 1, 1-dimethyl-]	57-14-7	1.00%	10,000 lbs		○	○		○	○
2,2-Dimethylpropane [Propane, 2,2-dimethyl-]	463-82-1	1.00%	10,000 lbs		○	○		○	○
Ethane	74-84-0	1.00%	10,000 lbs		○	○		○	○
Ethyl acetylene [1-Butyne]	107-00-6	1.00%	10,000 lbs		○	○		○	○
Ethyl chloride [Ethane, chloro-]	75-00-3	1.00%	10,000 lbs		○	○		○	○
Ethyl ether [Ethane, 1,1-oxybis-]	60-29-7	1.00%	10,000 lbs		○	○		○	○

Chemical Name	CAS#	Min. Conc.	Screening Threshold Quantity	Pressure Rating of Tank(s) (psig) [Q:3.4-7964]	Tank(s) Double Walled? [Q:3.4-7965]		Depth of Underground Tanks (feet) [Q:3.4-7966]	Underground Storage Type [Q:3.4-12714]	
					Yes	No		Buried	Below grade
Ethyl mercaptan [Ethanethiol]	75-08-1	1.00%	10,000 lbs		○	○		○	○
Ethyl nitrite [Nitrous acid, ethyl ester]	109-95-5	1.00%	10,000 lbs		○	○		○	○
Ethylamine [Ethanamine]	75-04-7	1.00%	10,000 lbs		○	○		○	○
Ethylene [Ethene]	74-85-1	1.00%	10,000 lbs		○	○		○	○
Ethylene oxide [Oxirane]	75-21-8	1.00%	10,000 lbs		○	○		○	○
Ethyleneimine [Aziridine]	151-56-4	1.00%	10,000 lbs		○	○		○	○
Furan	110-00-9	1.00%	10,000 lbs		○	○		○	○
Hydrazine	302-01-2	1.00%	10,000 lbs		○	○		○	○
Hydrogen	1333-74-0	1.00%	10,000 lbs		○	○		○	○
Hydrogen selenide	7783-07-5	1.00%	10,000 lbs		○	○		○	○
Iron, pentacarbonyl- [Iron carbonyl ($Fe(CO)_5$), (TB5-11)-]	13463-40-6	1.00%	10,000 lbs		○	○		○	○
Isobutane [Propane, 2-methyl]	75-28-5	1.00%	10,000 lbs		○	○		○	○

Chemical Name	CAS#	Min. Conc.	Screening Threshold Quantity	Pressure Rating of Tank(s) (psig) [Q:3.4-7964]	Tank(s) Double Walled? [Q:3.4-7965]		Depth of Underground Tanks (feet) [Q:3.4-7966]	Underground Storage Type [Q:3.4-12714]	
					Yes	No		Buried	Below grade
Isopentane [Butane, 2-methyl-]	78-78-4	1.00%	10,000 lbs		○	○		○	○
Isoprene [1,3-Butadiene, 2-methyl-]	78-79-5	1.00%	10,000 lbs		○	○		○	○
Isopropyl chloride [Propane, 2-chloro-]	75-29-6	1.00%	10,000 lbs		○	○		○	○
Isopropylamine [2-Propanamine]	75-31-0	1.00%	10,000 lbs		○	○		○	○
Methane	74-82-8	1.00%	10,000 lbs		○	○		○	○
2-Methyl-1-butene	563-46-2	1.00%	10,000 lbs		○	○		○	○
3-Methyl-1-butene	563-45-1	1.00%	10,000 lbs		○	○		○	○
Methyl chloride [Methane, chloro-]	74-87-3	1.00%	10,000 lbs		○	○		○	○
Methyl chloroformate [Carbonochloridic acid, methyl ester]	79-22-1	1.00%	10,000 lbs		○	○		○	○
Methyl ether [Methane, oxybis-]	115-10-6	1.00%	10,000 lbs		○	○		○	○
Methyl formate [Formic acid Methyl ester]	107-31-3	1.00%	10,000 lbs		○	○		○	○

Chemical Name	CAS#	Min. Conc.	Screening Threshold Quantity	Pressure Rating of Tank(s) (psig) [Q:3.4-7964]	Tank(s) Double Walled? [Q:3.4-7965]		Depth of Underground Tanks (feet) [Q:3.4-7966]	Underground Storage Type [Q:3.4-12714]	
					Yes	No		Buried	Below grade
Methyl mercaptan [Methanethiol]	74-93-1	1.00%	10,000 lbs		○	○		○	○
Methylamine [Methanamine]	115-11-7	1.00%	10,000 lbs		○	○		○	○
2-Methylpropene [1-Propene, 2-methyl-]	74-89-5	1.00%	10,000 lbs		○	○		○	○
Methyltrichlorosilane [Silane, trichloromethyl-]	75-79-6	1.00%	10,000 lbs		○	○		○	○
Nickel Carbonyl	13463-39-3	1.00%	10,000 lbs		○	○		○	○
1,3-Pentadiene	504-60-9	1.00%	10,000 lbs		○	○		○	○
Pentane	109-66-0	1.00%	10,000 lbs		○	○		○	○
1-Pentene	109-67-1	1.00%	10,000 lbs		○	○		○	○
2-Pentene,(E)-	646-04-8	1.00%	10,000 lbs		○	○		○	○
2-Pentene, (Z)-	627-20-3	1.00%	10,000 lbs		○	○		○	○
Peracetic acid [Ethaneperoxic acid]	79-21-0	1.00%	10,000 lbs		○	○		○	○
Phosphine	7803-51-2	1.00%	10,000 lbs		○	○		○	○
Piperidine	110-89-4	1.00%	10,000 lbs		○	○		○	○

Chemical Name	CAS#	Min. Conc.	Screening Threshold Quantity	Pressure Rating of Tank(s) (psig) [Q:3.4-7964]	Tank(s) Double Walled? [Q:3.4-7965]		Depth of Underground Tanks (feet) [Q:3.4-7966]	Underground Storage Type [Q:3.4-12714]	
					Yes	No		Buried	Below grade
Propadiene [1,2-Propadiene]	463-49-0	1.00%	10,000 lbs		○	○		○	○
Propane	74-98-6	1.00%	60,000 lbs		○	○		○	○
Propyl chloroformate [Carbonchloridic acid, propylester]	109-61-5	1.00%	10,000 lbs		○	○		○	○
Propylene [1-Propene]	115-07-1	1.00%	10,000 lbs		○	○		○	○
Propylene oxide [Oxirane, methyl-]	75-56-9	1.00%	10,000 lbs		○	○		○	○
Propyne [1-Propyne]	74-99-7	1.00%	10,000 lbs		○	○		○	○
Silane	7803-62-5	1.00%	10,000 lbs		○	○		○	○
Tetrafluoroethylene [Ethene, tetrafluoro-]	116-14-3	1.00%	10,000 lbs		○	○		○	○
Tetramethylsilane [Silane, tetramethyl-]	75-76-3	1.00%	10,000 lbs		○	○		○	○
Tetranitromethane [Methane, tetranitro-]	509-14-8	1.00%	10,000 lbs		○	○		○	○
Trichlorosilane [Silane, trichloro-]	10025-78-2	1.00%	10,000 lbs		○	○		○	○

Chemical Name	CAS#	Min. Conc.	Screening Threshold Quantity	Pressure Rating of Tank(s) (psig) [Q:3.4-7964]	Tank(s) Double Walled? [Q:3.4-7965]		Depth of Underground Tanks (feet) [Q:3.4-7966]	Underground Storage Type [Q:3.4-12714]	
					Yes	No		Buried	Below grade
Trifluorochloroethylene [Ethene, chlorotrifluoro]	79-38-9	1.00%	10,000 lbs		○	○		○	○
Trimethylamine [Methanamine, N,N-dimethyl-]	75-50-3	1.00%	10,000 lbs		○	○		○	○
Trimethylchlorosilane [Silane, chlorotrimethyl-]	75-77-4	1.00%	10,000 lbs		○	○		○	○
Vinyl acetate monomer [Acetic acid ethenyl ester]	108-05-4	1.00%	10,000 lbs		○	○		○	○
Vinyl acetylene [1-Buten-3-yne]	689-97-4	1.00%	10,000 lbs		○	○		○	○
Vinyl chloride [Ethene, chloro-]	75-01-4	1.00%	10,000 lbs		○	○		○	○
Vinyl ethyl ether [Ethene, ethoxy-]	109-92-2	1.00%	10,000 lbs		○	○		○	○
Vinyl fluoride [Ethene, fluoro-]	75-02-5	1.00%	10,000 lbs		○	○		○	○
Vinyl methyl ether [Ethene, methoxy-]	107-25-5	1.00%	10,000 lbs		○	○		○	○
Vinylidene chloride [Ethene, 1,1-dichloro-]	75-35-4	1.00%	10,000 lbs		○	○		○	○

Chemical Name	CAS#	Min. Conc.	Screening Threshold Quantity	Pressure Rating of Tank(s) (psig) [Q:3.4-7964]	Tank(s) Double Walled? [Q:3.4-7965]		Depth of Underground Tanks (feet) [Q:3.4-7966]	Underground Storage Type [Q:3.4-12714]	
					Yes	No		Buried	Below grade
Vinylidene fluoride [Ethene, 1,1-difluoro-]	75-38-7	1.00%	10,000 lbs		○	○		○	○
Fuels: Bunker fuel					○	○		○	○
Fuels: Diesel					○	○		○	○
Fuels: Gasoline					○	○		○	○
Fuels: Home heating oil					○	○		○	○
Fuels: JP A (jet fuel)					○	○		○	○
Fuels: JP 5 (jet fuel)					○	○		○	○
Fuels: JP 8 (jet fuel)					○	○		○	○
Fuels: Kerosene					○	○		○	○
Fuels: LPG					○	○		○	○

Release Flammable COI Stored Below Grade

Answer the following question only for underground COI that are stored below grade.

Chemical Name	CAS#	Min. Conc.	Screening Threshold Quantity	Is the below grade containment covered? [Q:3.41-12717]	
				Yes	No
Acetaldehyde	75-07-0	1.00%	10,000 lbs	○	○
Acetylene [Ethyne]	74-86-2	1.00%	10,000 lbs	○	○
Acrylonitrile [2-Propenenitrile]	107-13-1	1.00%	10,000 lbs	○	○
Acrylyl chloride [2-Propenoyl chloride]	814-68-6	1.00%	10,000 lbs	○	○
Allylamine [2-Propen-1-amine]	107-11-9	1.00%	10,000 lbs	○	○
Bromotrifluorethylene [Ethene, bromotrifluoro-]	598-73-2	1.00%	10,000 lbs	○	○
1,3-Butadiene	106-99-0	1.00%	10,000 lbs	○	○
Butane	106-97-8	1.00%	10,000 lbs	○	○
Butene	25167-67-3	1.00%	10,000 lbs	○	○
1-Butene	106-98-9	1.00%	10,000 lbs	○	○
2-Butene	107-01-7	1.00%	10,000 lbs	○	○
2-Butene-cis	590-18-1	1.00%	10,000 lbs	○	○
2-Butene-trans [2-Butene, (E)]	624-64-6	1.00%	10,000 lbs	○	○

Chemical Name	CAS#	Min. Conc.	Screening Threshold Quantity	Is the below grade containment covered? [Q:3.41-12717]	
				Yes	No
Carbon oxysulfide [Carbon oxide sulfide (COS); carbonyl sulfide]	463-58-1	1.00%	10,000 lbs	○	○
Chlorine monoxide [Chlorine oxide]	7791-21-1	1.00%	10,000 lbs	○	○
1-Chloropropylene [1-Propene, 1-chloro-]	590-21-6	1.00%	10,000 lbs	○	○
2-Chloropropylene [1-Propene, 2-chloro-]	557-98-2	1.00%	10,000 lbs	○	○
Crotonaldehyde [2-Butenal]	4170-30-3	1.00%	10,000 lbs	○	○
Crotonaldehyde, (E)- [2-Butenal], (E)-]	123-73-9	1.00%	10,000 lbs	○	○
Cyanogen [Ethanedinitrile]	460-19-5	1.00%	10,000 lbs	○	○
Cyclopropane	75-19-4	1.00%	10,000 lbs	○	○
Dichlorosilane [Silane, dichloro-]	4109-96-0	1.00%	10,000 lbs	○	○
Difluoroethane [Ethane, 1,1-difluoro-]	75-37-6	1.00%	10,000 lbs	○	○
Dimethylamine [Methanamine, N-methyl-]	124-40-3	1.00%	10,000 lbs	○	○

Chemical Name	CAS#	Min. Conc.	Screening Threshold Quantity	Is the below grade containment covered? [Q:3.41-12717]	
				Yes	No
Dimethyldichlorosilane [Silane, dichlorodimethyl-]	75-78-5	1.00%	10,000 lbs	○	○
1,1-Dimethylhydrazine [Hydrazine, 1, 1-dimethyl-]	57-14-7	1.00%	10,000 lbs	○	○
2,2-Dimethylpropane [Propane, 2,2-dimethyl-]	463-82-1	1.00%	10,000 lbs	○	○
Ethane	74-84-0	1.00%	10,000 lbs	○	○
Ethyl acetylene [1-Butyne]	107-00-6	1.00%	10,000 lbs	○	○
Ethyl chloride [Ethane, chloro-]	75-00-3	1.00%	10,000 lbs	○	○
Ethyl ether [Ethane, 1,1-oxybis-]	60-29-7	1.00%	10,000 lbs	○	○
Ethyl mercaptan [Ethanethiol]	75-08-1	1.00%	10,000 lbs	○	○
Ethyl nitrite [Nitrous acid, ethyl ester]	109-95-5	1.00%	10,000 lbs	○	○
Ethylamine [Ethanamine]	75-04-7	1.00%	10,000 lbs	○	○
Ethylene [Ethene]	74-85-1	1.00%	10,000 lbs	○	○

Chemical Name	CAS#	Min. Conc.	Screening Threshold Quantity	Is the below grade containment covered? [Q:3.41-12717]	
				Yes	No
Ethylene oxide [Oxirane]	75-21-8	1.00%	10,000 lbs	○	○
Ethyleneimine [Aziridine]	151-56-4	1.00%	10,000 lbs	○	○
Furan	110-00-9	1.00%	10,000 lbs	○	○
Hydrazine	302-01-2	1.00%	10,000 lbs	○	○
Hydrogen	1333-74-0	1.00%	10,000 lbs	○	○
Hydrogen selenide	7783-07-5	1.00%	10,000 lbs	○	○
Iron, pentacarbonyl- [Iron carbonyl ($Fe(CO)_5$), (TB5-11)-]	13463-40-6	1.00%	10,000 lbs	○	○
Isobutane [Propane, 2-methyl]	75-28-5	1.00%	10,000 lbs	○	○
Isopentane [Butane, 2-methyl-]	78-78-4	1.00%	10,000 lbs	○	○
Isoprene [1,3-Butadiene, 2-methyl-]	78-79-5	1.00%	10,000 lbs	○	○
Isopropyl chloride [Propane, 2-chloro-]	75-29-6	1.00%	10,000 lbs	○	○
Isopropylamine [2-Propanamine]	75-31-0	1.00%	10,000 lbs	○	○
Methane	74-82-8	1.00%	10,000 lbs	○	○

Chemical Name	CAS#	Min. Conc.	Screening Threshold Quantity	Is the below grade containment covered? [Q:3.41-12717]	
				Yes	No
2-Methyl-1-butene	563-46-2	1.00%	10,000 lbs	○	○
3-Methyl-1-butene	563-45-1	1.00%	10,000 lbs	○	○
Methyl chloride [Methane, chloro-]	74-87-3	1.00%	10,000 lbs	○	○
Methyl chloroformate [Carbonochloridic acid, methyl ester]	79-22-1	1.00%	10,000 lbs	○	○
Methyl ether [Methane, oxybis-]	115-10-6	1.00%	10,000 lbs	○	○
Methyl formate [Formic acid Methyl ester]	107-31-3	1.00%	10,000 lbs	○	○
Methyl mercaptan [Methanethiol]	74-93-1	1.00%	10,000 lbs	○	○
Methylamine [Methanamine]	115-11-7	1.00%	10,000 lbs	○	○
2-Methylpropene [1-Propene, 2-methyl-]	74-89-5	1.00%	10,000 lbs	○	○
Methyltrichlorosilane [Silane, trichloromethyl-]	75-79-6	1.00%	10,000 lbs	○	○
Nickel Carbonyl	13463-39-3	1.00%	10,000 lbs	○	○
1,3-Pentadiene	504-60-9	1.00%	10,000 lbs	○	○
Pentane	109-66-0	1.00%	10,000 lbs	○	○

Chemical Name	CAS#	Min. Conc.	Screening Threshold Quantity	Is the below grade containment covered? [Q:3.41-12717]	
				Yes	No
1-Pentene	109-67-1	1.00%	10,000 lbs	○	○
2-Pentene,(E)-	646-04-8	1.00%	10,000 lbs	○	○
2-Pentene, (Z)-	627-20-3	1.00%	10,000 lbs	○	○
Peracetic acid [Ethaneperoxic acid]	79-21-0	1.00%	10,000 lbs	○	○
Phosphine	7803-51-2	1.00%	10,000 lbs	○	○
Piperidine	110-89-4	1.00%	10,000 lbs	○	○
Propadiene [1,2-Propadiene]	463-49-0	1.00%	10,000 lbs	○	○
Propane	74-98-6	1.00%	60,000 lbs	○	○
Propyl chloroformate [Carbonchloridic acid, propylester]	109-61-5	1.00%	10,000 lbs	○	○
Propylene [1-Propene]	115-07-1	1.00%	10,000 lbs	○	○
Propylene oxide [Oxirane, methyl-]	75-56-9	1.00%	10,000 lbs	○	○
Propyne [1-Propyne]	74-99-7	1.00%	10,000 lbs	○	○
Silane	7803-62-5	1.00%	10,000 lbs	○	○

Chemical Name	CAS#	Min. Conc.	Screening Threshold Quantity	Is the below grade containment covered? [Q:3.41-12717]	
				Yes	No
Tetrafluoroethylene [Ethene, tetrafluoro-]	116-14-3	1.00%	10,000 lbs	○	○
Tetramethylsilane [Silane, tetramethyl-]	75-76-3	1.00%	10,000 lbs	○	○
Tetranitromethane [Methane, tetranitro-]	509-14-8	1.00%	10,000 lbs	○	○
Trichlorosilane [Silane, trichloro-]	10025-78-2	1.00%	10,000 lbs	○	○
Trifluorochloroethylene [Ethene, chlorotrifluoro]	79-38-9	1.00%	10,000 lbs	○	○
Trimethylamine [Methanamine, N,N-dimethyl-]	75-50-3	1.00%	10,000 lbs	○	○
Trimethylchlorosilane [Silane, chlorotrimethyl-]	75-77-4	1.00%	10,000 lbs	○	○
Vinyl acetate monomer [Acetic acid ethenyl ester]	108-05-4	1.00%	10,000 lbs	○	○
Vinyl acetylene [1-Buten-3-yne]	689-97-4	1.00%	10,000 lbs	○	○
Vinyl chloride [Ethene, chloro-]	75-01-4	1.00%	10,000 lbs	○	○
Vinyl ethyl ether [Ethene, ethoxy-]	109-92-2	1.00%	10,000 lbs	○	○

Chemical Name	CAS#	Min. Conc.	Screening Threshold Quantity	Is the below grade containment covered? [Q:3.41-12717]	
				Yes	No
Vinyl fluoride [Ethene, fluoro-]	75-02-5	1.00%	10,000 lbs	○	○
Vinyl methyl ether [Ethene, methoxy-]	107-25-5	1.00%	10,000 lbs	○	○
Vinylidene chloride [Ethene, 1,1-dichloro-]	75-35-4	1.00%	10,000 lbs	○	○
Vinylidene fluoride [Ethene, 1,1-difluoro-]	75-38-7	1.00%	10,000 lbs	○	○
Fuels: Bunker fuel				○	○
Fuels: Diesel				○	○
Fuels: Gasoline				○	○
Fuels: Home heating oil				○	○
Fuels: JP A (jet fuel)				○	○
Fuels: JP 5 (jet fuel)				○	○
Fuels: JP 8 (jet fuel)				○	○
Fuels: Kerosene				○	○
Fuels: LPG				○	○

For each COI stored in cavern/non-cavern type containment [Q:3.2-12713], copy the following pages (102-103) as needed and answer the following.

Underground Release Flammable COI Stored in Cavern or Non-Cavern Type Formations

Flammable COI stored in Cavern/non-Cavern type formations.

The following questions regarding underground storage should only be answered about the amount of the COI that is stored underground in cavern or non-cavern type formations. *Cavernous* formations refer to porous rock formations. *Non-cavernous* formations refer to old gas or oil fields that are no longer productive.

Is the release flammable COI stored in caverns or in non-cavern storage?
[Q:3.5-12771]

- ○ Cavern
- ○ Non-cavern

How many wells are in the storage field?
[Q:3.5-12772]

What is the aerial extent of the storage formation (in acres)?
[Q:3.5-8791]

What is the total storage weight (in pounds)?
[Q3.5-12773]

List the well heads located in High Consequence Areas (HCA) as defined by DOT PHMSA in 49 CFR part 192

List information for the well heads associated with the COI that are located in a High Consequence Area. For the distance from infrastructure question, use the distance (in feet) from the well head to the nearest infrastructure that is not associated with the underground storage operation. Infrastructure may include buildings, bridges, or other above ground structures or pipelines.

Enter the Name or ID of the Well Head [Q:3.5-8813]	Depth of Well (feet) [Q:3.5-8831]	Maximum Pressure at Well Head (psig) [Q:3.5-8833]	Absolute Open Flow Rate at Maximum Pressure (mmcf/min) [Q:3.5-8832]	Distance to Closest Infrastructure Not Associated with Storage Operation (feet) [Q:3.5-8834]

Release Explosives

Release Explosive Chemicals of Interest

The presence or amount of a particular chemical is not the sole factor in determining whether a facility presents a high level of security risk. This information informs the subsequent parts of the Department's assessment. The Department will use its best judgment and all available information in determining whether a facility presents a high level of security risk.

Do you manufacture, process, use, store, or distribute any of the following release explosive chemicals of interest at or above the screening threshold quantity at your facility?

Check "Yes" if the facility either currently possesses or possessed within the past 60 days the COI at or above the screening threshold quantity.

(The default settings on this list indicate that the chemicals are NOT currently present on site nor have been onsite within the past 60 days. At the end of the list, you must indicate that these settings have been changed as applicable to the facility.)

These chemicals were determined by the US Department of Homeland Security to be a potential security risk at "high risk chemical facilities" as defined in Section 550 the Department of Homeland Security Act of 2007. A facility should indicate which COI it either currently possesses or possessed within the past 60 days at or above the screening threshold quantity.

A Commercial Grade (ACG) refers to any quality or concentration of a COI offered for commercial sale that a facility uses, stores, manufactures or ships.

If the answer to question [Q:1.1-65], *"Choose the facility type that best describes your facility" is Petroleum refinery or Liquefied natural gas storage, go to Theft/Diversion WME (page 127)*

If "No" selected for all chemicals, go to Theft/Diversion EXP/IEDP (page 114)

[Q:4.0-154]

Chemical Name	CAS#	Min. Conc.	Screening Threshold Quantity	Do you manufacture, _____ _____	
				Yes	No
Ammonium nitrate, [with more than 0.2 percent combustible substances, including any organic substance calculated as carbon, to the exclusion of any other added substance]	6484-52-2	ACG	5,000 lbs	○	○
Ammonium perchlorate	7790-98-9	ACG	5,000 lbs	○	○
Ammonium picrate	131-74-8	ACG	5,000 lbs	○	○
Barium azide	18810-58-7	ACG	5,000 lbs	○	○
Diazodinitrophenol	87-31-0	ACG	5,000 lbs	○	○
Diethyleneglycol dinitrate	693-21-0	ACG	5,000 lbs	○	○
Dingu [Dinitroglycoluril]	55510-04-8	ACG	5,000 lbs	○	○
Dinitrophenol	25550-58-7	ACG	5,000 lbs	○	○
Dinitroresorcinol	519-44-8	ACG	5,000 lbs	○	○
Dipicryl sulfide	2217-06-3	ACG	5,000 lbs	○	○

Chemical Name	CAS#	Min. Conc.	Screening Threshold Quantity	Do you manufacture,	
				Yes	No
Dipicrylamine [or] Hexyl [Hexanitrodiphenylamine]	131-73-7	ACG	5,000 lbs	○	○
Guanyl nitrosaminoguanylidene hydrazine		ACG	5,000 lbs	○	○
Hexanitrostilbene	20062-22-0	ACG	5,000 lbs	○	○
Hexolite [Hexotol]	121-82-4	ACG	5,000 lbs	○	○
HMX [Cyclotetramethylenetetranitramine]	2691-41-0	ACG	5,000 lbs	○	○
Lead azide	13424-46-9	ACG	5,000 lbs	○	○
Lead styphnate [Lead trinitroresorcinate]	15245-44-0	ACG	5,000 lbs	○	○
Mercury fulminate	628-86-4	ACG	5,000 lbs	○	○
5-Nitrobenzotriazol	2338-12-7	ACG	5,000 lbs	○	○
Nitrocellulose	9004-70-0	ACG	5,000 lbs	○	○
Nitroglycerine	55-63-0	ACG	5,000 lbs	○	○

Chemical Name	CAS#	Min. Conc.	Screening Threshold Quantity	Do you manufacture,	
				Yes	No
Nitromannite [Mannitol hexanitrate, wetted]	15825-70-4	ACG	5,000 lbs	○	○
Nitrostarch	9056-38-6	ACG	5,000 lbs	○	○
Nitrotriazolone	932-64-9	ACG	5,000 lbs	○	○
Octolite	57607-37-1	ACG	5,000 lbs	○	○
Octonal	78413-87-3	ACG	5,000 lbs	○	○
Pentolite	8066-33-9	ACG	5,000 lbs	○	○
PETN [Pentaerythritol tetranitrate]	78-11-5	ACG	5,000 lbs	○	○
Picrite [Nitroguanidine]	556-88-7	ACG	5,000 lbs	○	○
RDX [Cyclotrimethylenetrinitramine]	121-82-4	ACG	5,000 lbs	○	○
RDX and HMX mixtures	121-82-4	ACG	5,000 lbs	○	○
Tetranitroaniline	53014-37-2	ACG	5,000 lbs	○	○

Chemical Name	CAS#	Min. Conc.	Screening Threshold Quantity	Do you manufacture, process, use, store, or distribute any of the following release explosive chemicals of interest (COI) at or above the screening threshold quantity at your facility?	
				Yes	No
Tetrazene [Guanyl nitrosaminoguanyltetrazene]	109-27-3	ACG	5,000 lbs	○	○
1H-Tetrazole	288-94-8	ACG	5,000 lbs	○	○
TNT [Trinitrotoluene]	118-96-7	ACG	5,000 lbs	○	○
Torpex [Hexotonal]	67713-16-0	ACG	5,000 lbs	○	○
Trinitroaniline	26952-42-1	ACG	5,000 lbs	○	○
Trinitroanisole	606-35-9	ACG	5,000 lbs	○	○
Trinitrobenzene	99-35-4	ACG	5,000 lbs	○	○
Trinitrobenzenesulfonic acid	2508-19-2	ACG	5,000 lbs	○	○
Trinitrobenzoic acid	129-66-8	ACG	5,000 lbs	○	○
Trinitrochlorobenzene	88-88-0	ACG	5,000 lbs	○	○
Trinitrofluorenone	129-79-3	ACG	5,000 lbs	○	○
Trinitro-meta-cresol	602-99-3	ACG	5,000 lbs	○	○

Chemical Name	CAS#	Min. Conc.	Screening Threshold Quantity	Do you manufacture, process, use, store, or distribute any of the following release explosive chemicals of interest (COI) at or above the screening threshold quantity at your facility?	
				Yes	No
Trinitronaphthalene	55810-17-8	ACG	5,000 lbs	○	○
Trinitrophenetole	4732-14-3	ACG	5,000 lbs	○	○
Trinitrophenol	88-89-1	ACG	5,000 lbs	○	○
Trinitroresorcinol	82-71-3	ACG	5,000 lbs	○	○
Tritonal	54413-15-9	ACG	5,000 lbs	○	○

The list above has been reviewed and all chemicals of interest that the facility either currently possesses or possessed within the past 60 days at or above the screening threshold quantity have been indicated by selecting "Yes."
[Q:4.0-711]

○ Yes

○ No

Release Explosive Chemicals of Interest - Detail

Enter the total on-site quantity of the release explosive chemical of interest in pounds. Enter the quantity of the release explosive COI in the Area of Highest Quantity in pounds.

The total on-site quantity is the highest amount that the facility either currently possesses or possessed within the past 60 days. The Area of Highest Quantity (AHQ) is defined as an on-site area, with a radius of 170 feet, where the greatest amount of the release explosive COI is either currently present or has been present at any one time within the past 60 days. **This amount may differ from the total on-site quantity.** For release explosive COI, AHQ should be reported as an **aggregate amount of all release explosive COI located within the AHQ**. See the downloadable Top-Screen Users Manual for instructions. **Round both quantities to two significant digits** (e.g., round 247500 pounds to 250000 pounds, and round 7625 pounds to 7600 pounds). Do not use commas when entering data.

Chemical Name	CAS#	Min. Conc.	Screening Threshold Quantity	Total On-site Quantity (pounds) [Q:4.1-712]	Quantity in AHQ (pounds) [Q:4.1-2795]
Ammonium nitrate, [with more than 0.2 percent combustible substances, including any organic substance calculated as carbon, to the exclusion of any other added substance]	6484-52-2	ACG	5,000 lbs		
Ammonium perchlorate	7790-98-9	ACG	5,000 lbs		
Ammonium picrate	131-74-8	ACG	5,000 lbs		
Barium azide	18810-58-7	ACG	5,000 lbs		
Diazodinitrophenol	87-31-0	ACG	5,000 lbs		
Diethyleneglycol dinitrate	693-21-0	ACG	5,000 lbs		
Dingu [Dinitroglycoluril]	55510-04-8	ACG	5,000 lbs		
Dinitrophenol	25550-58-7	ACG	5,000 lbs		

Chemical Name	CAS#	Min. Conc.	Screening Threshold Quantity	Total On-site Quantity (pounds) [Q:4.1-712]	Quantity in AHQ (pounds) [Q:4.1-2795]
Dinitroresorcinol	519-44-8	ACG	5,000 lbs		
Dipicryl sulfide	2217-06-3	ACG	5,000 lbs		
Dipicrylamine [or] Hexyl [Hexanitrodiphenylamine]	131-73-7	ACG	5,000 lbs		
Guanyl nitrosaminoguanylidene hydrazine		ACG	5,000 lbs		
Hexanitrostilbene	20062-22-0	ACG	5,000 lbs		
Hexolite [Hexotol]	121-82-4	ACG	5,000 lbs		
HMX [Cyclotetramethylenetetranitramine]	2691-41-0	ACG	5,000 lbs		
Lead azide	13424-46-9	ACG	5,000 lbs		
Lead styphnate [Lead trinitroresorcinate]	15245-44-0	ACG	5,000 lbs		
Mercury fulminate	628-86-4	ACG	5,000 lbs		
5-Nitrobenzotriazol	2338-12-7	ACG	5,000 lbs		
Nitrocellulose	9004-70-0	ACG	5,000 lbs		
Nitroglycerine	55-63-0	ACG	5,000 lbs		
Nitromannite [Mannitol hexanitrate, wetted]	15825-70-4	ACG	5,000 lbs		

Chemical Name	CAS#	Min. Conc.	Screening Threshold Quantity	Total On-site Quantity (pounds) [Q:4.1-712]	Quantity in AHQ (pounds) [Q:4.1-2795]
Nitrostarch	9056-38-6	ACG	5,000 lbs		
Nitrotriazolone	932-64-9	ACG	5,000 lbs		
Octolite	57607-37-1	ACG	5,000 lbs		
Octonal	78413-87-3	ACG	5,000 lbs		
Pentolite	8066-33-9	ACG	5,000 lbs		
PETN [Pentaerythritol tetranitrate]	78-11-5	ACG	5,000 lbs		
Picrite [Nitroguanidine]	556-88-7	ACG	5,000 lbs		
RDX [Cyclotrimethylenetrinitramine]	121-82-4	ACG	5,000 lbs		
RDX and HMX mixtures	121-82-4	ACG	5,000 lbs		
Tetranitroaniline	53014-37-2	ACG	5,000 lbs		
Tetrazene [Guanyl nitrosaminoguanyltetrazene]	109-27-3	ACG	5,000 lbs		
1H-Tetrazole	288-94-8	ACG	5,000 lbs		
TNT [Trinitrotoluene]	118-96-7	ACG	5,000 lbs		
Torpex [Hexotonal]	67713-16-0	ACG	5,000 lbs		

Chemical Name	CAS#	Min. Conc.	Screening Threshold Quantity	Total On-site Quantity (pounds) [Q:4.1-712]	Quantity in AHQ (pounds) [Q:4.1-2795]
Trinitroaniline	26952-42-1	ACG	5,000 lbs		
Trinitroanisole	606-35-9	ACG	5,000 lbs		
Trinitrobenzene	99-35-4	ACG	5,000 lbs		
Trinitrobenzenesulfonic acid	2508-19-2	ACG	5,000 lbs		
Trinitrobenzoic acid	129-66-8	ACG	5,000 lbs		
Trinitrochlorobenzene	88-88-0	ACG	5,000 lbs		
Trinitrofluorenone	129-79-3	ACG	5,000 lbs		
Trinitro-meta-cresol	602-99-3	ACG	5,000 lbs		
Trinitronaphthalene	55810-17-8	ACG	5,000 lbs		
Trinitrophenetole	4732-14-3	ACG	5,000 lbs		
Trinitrophenol	88-89-1	ACG	5,000 lbs		
Trinitroresorcinol	82-71-3	ACG	5,000 lbs		
Tritonal	54413-15-9	ACG	5,000 lbs		

Theft/Diversion EXP/IEDP

Theft/Diversion Explosive/IED Precursor (EXP/IEDP) Chemicals of Interest

The presence or amount of a particular chemical is not the sole factor in determining whether a facility presents a high level of security risk. This information informs the subsequent parts of the Department's assessment. The Department will use its best judgment and all available information in determining whether a facility presents a high level of security risk.

Do you manufacture, process, use, store, or distribute at the facility A Commercial Grade (including A Commercial Grade at or above any specified minimum concentration) of any of the following theft/diversion explosive/IED precursor chemicals of interest?

Check "Yes" if the facility either currently possesses or possessed within the past 60 days A Commercial Grade of the COI at or above the screening threshold quantity in transportation packaging.

(The default settings on this list indicate that the chemicals are NOT currently present on site nor have been onsite within the past 60 days. At the end of the list, you must indicate that these settings have been changed as applicable to the facility.)

These chemicals were determined by the US Department of Homeland Security to be a potential security risk at "high risk chemical facilities" as defined in Section 550 the Department of Homeland Security Act of 2007. A facility should indicate which COI it either currently possesses or possessed within the past 60 days at or above the screening threshold quantity.

Transportation packaging, as defined by 49 CFR § 171.8 includes, but is not limited to, cylinders, bulk bags, bottles (inside or outside a box), cargo tanks, and/or tank cars.

A Commercial Grade (ACG) refers to any quality or concentration of a COI offered for commercial sale that a facility uses, stores, manufactures or ships.

If "No" selected for all chemicals, go to Theft/Diversion WME (page 127)

[Q:5.0-175]

Chemical Name	CAS#	Min. Conc.	Screening Threshold Quantity	Do you manufacture, process, use, store, or distribute at the facility A Commercial Grade (including A Commercial Grade at or above any specified minimum concentration) of any of the following theft/diversion explosive/IED precursor chemicals of interest? Check "Yes" if the facility either currently possesses or possessed within the past 60 days A Commercial Grade of the COI at or above the screening threshold quantity in transportation packaging.	
				Yes	No
Aluminum (powder)	7429-90-5	ACG	100 lbs	○	○
Ammonium nitrate, [with more than 0.2 percent combustible substances, including any organic substance calculated as carbon, to the exclusion of any other added substance]	6484-52-2	ACG	400 lbs	○	○
Ammonium nitrate, solid [nitrogen concentration of 23% nitrogen or greater]	6484-52-2	33.00%	2000 lbs	○	○
Ammonium perchlorate	7790-98-9	ACG	400 lbs	○	○
Ammonium picrate	131-74-8	ACG	400 lbs	○	○
Barium azide	18810-58-7	ACG	400 lbs	○	○
Diazodinitrophenol	87-31-0	ACG	400 lbs	○	○
Diethyleneglycol dinitrate	693-21-0	ACG	400 lbs	○	○

Chemical Name	CAS#	Min. Conc.	Screening Threshold Quantity	Do you manufacture, process, use, store, or distribute at the facility A Commercial Grade (including A Commercial Grade at or above any specified minimum concentration) of any of the following theft/diversion explosive/IED precursor chemicals of interest? Check "Yes" if the facility either currently possesses or possessed within the past 60 days A Commercial Grade of the COI at or above the screening threshold quantity in transportation packaging.	
				Yes	No
Dingu [Dinitroglycoluril]	55510-04-8	ACG	400 lbs	○	○
Dinitrophenol	25550-58-7	ACG	400 lbs	○	○
Dinitroresorcinol	519-44-8	ACG	400 lbs	○	○
Dipicryl sulfide	2217-06-3	ACG	400 lbs	○	○
Dipicrylamine [or] Hexyl [Hexanitrodiphenylamine]	131-73-7	ACG	400 lbs	○	○
Guanyl nitrosaminoguanylidene hydrazine		ACG	400 lbs	○	○
Hexanitrostilbene	20062-22-0	ACG	400 lbs	○	○
Hexolite [Hexotol]	121-82-4	ACG	400 lbs	○	○
HMX [Cyclotetramethylene-tetranitramine]	2691-41-0	ACG	400 lbs	○	○

Chemical Name	CAS#	Min. Conc.	Screening Threshold Quantity	Do you manufacture, process, use, store, or distribute at the facility A Commercial Grade (including A Commercial Grade at or above any specified minimum concentration) of any of the following theft/diversion explosive/IED precursor chemicals of interest? Check "Yes" if the facility either currently possesses or possessed within the past 60 days A Commercial Grade of the COI at or above the screening threshold quantity in transportation packaging.	
				Yes	No
Hydrogen peroxide (concentration of at least 35%)	7722-84-1	35.00%	400 lbs	○	○
Lead azide	13424-46-9	ACG	400 lbs	○	○
Lead styphnate [Lead trinitroresorcinate]	15245-44-0	ACG	400 lbs	○	○
Magnesium (powder)	7439-95-4	ACG	100 lbs	○	○
Mercury fulminate	628-86-4	ACG	400 lbs	○	○
Nitric acid	7697-37-2	68.00%	400 lbs	○	○
Nitrobenzene	98-95-3	ACG	100 lbs	○	○
5-Nitrobenzotriazol	2338-12-7	ACG	400 lbs	○	○
Nitrocellulose	9004-70-0	ACG	400 lbs	○	○
Nitroglycerine	55-63-0	ACG	400 lbs	○	○
Nitromannite [Mannitol hexanitrate, wetted]	15825-70-4	ACG	400 lbs	○	○

Chemical Name	CAS#	Min. Conc.	Screening Threshold Quantity	Do you manufacture, process, use, store, or distribute at the facility A Commercial Grade (including A Commercial Grade at or above any specified minimum concentration) of any of the following theft/diversion explosive/IED precursor chemicals of interest? Check "Yes" if the facility either currently possesses or possessed within the past 60 days A Commercial Grade of the COI at or above the screening threshold quantity in transportation packaging.	
				Yes	No
Nitromethane	75-52-5	ACG	400 lbs	○	○
Nitrostarch	9056-38-6	ACG	400 lbs	○	○
Nitrotriazolone	932-64-9	ACG	400 lbs	○	○
Octolite	57607-37-1	ACG	400 lbs	○	○
Octonal	78413-87-3	ACG	400 lbs	○	○
Pentolite	8066-33-9	ACG	400 lbs	○	○
PETN [Pentaerythritol tetranitrate]	78-11-5	ACG	400 lbs	○	○
Phosphorus	7723-14-0	ACG	400 lbs	○	○
Picrite [Nitroguanidine]	556-88-7	ACG	400 lbs	○	○
Potassium chlorate	3811-04-9	ACG	400 lbs	○	○
Potassium nitrate	7757-79-1	ACG	400 lbs	○	○

Chemical Name	CAS#	Min. Conc.	Screening Threshold Quantity	Do you manufacture, process, use, store, or distribute at the facility A Commercial Grade (including A Commercial Grade at or above any specified minimum concentration) of any of the following theft/diversion explosive/IED precursor chemicals of interest? Check "Yes" if the facility either currently possesses or possessed within the past 60 days A Commercial Grade of the COI at or above the screening threshold quantity in transportation packaging.	
				Yes	No
Potassium perchlorate	7778-74-7	ACG	400 lbs	○	○
Potassium permanganate	7722-64-7	ACG	400 lbs	○	○
RDX [Cyclotrimethylenetrinitramine]	121-82-4	ACG	400 lbs	○	○
RDX and HMX mixtures	121-82-4	ACG	400 lbs	○	○
Sodium azide	26628-22-8	ACG	400 lbs	○	○
Sodium chlorate	7775-09-9	ACG	400 lbs	○	○
Sodium nitrate	7631-99-4	ACG	400 lbs	○	○
Tetranitroaniline	53014-37-2	ACG	400 lbs	○	○
Tetrazene [Guanyl nitrosaminoguanyltetrazene]	109-27-3	ACG	400 lbs	○	○
1H-Tetrazole	288-94-8	ACG	400 lbs	○	○
TNT [Trinitrotoluene]	118-96-7	ACG	400 lbs	○	○

Chemical Name	CAS#	Min. Conc.	Screening Threshold Quantity	Do you manufacture, process, use, store, or distribute at the facility A Commercial Grade (including A Commercial Grade at or above any specified minimum concentration) of any of the following theft/diversion explosive/IED precursor chemicals of interest? Check "Yes" if the facility either currently possesses or possessed within the past 60 days A Commercial Grade of the COI at or above the screening threshold quantity in transportation packaging.	
				Yes	No
Torpex [Hexotonal]	67713-16-0	ACG	400 lbs	○	○
Trinitroaniline	26952-42-1	ACG	400 lbs	○	○
Trinitroanisole	606-35-9	ACG	400 lbs	○	○
Trinitrobenzene	99-35-4	ACG	400 lbs	○	○
Trinitrobenzenesulfonic acid	2508-19-2	ACG	400 lbs	○	○
Trinitrobenzoic acid	129-66-8	ACG	400 lbs	○	○
Trinitrochlorobenzene	88-88-0	ACG	400 lbs	○	○
Trinitrofluorenone	129-79-3	ACG	400 lbs	○	○
Trinitro-meta-cresol	602-99-3	ACG	400 lbs	○	○
Trinitronaphthalene	55810-17-8	ACG	400 lbs	○	○
Trinitrophenetole	4732-14-3	ACG	400 lbs	○	○
Trinitrophenol	88-89-1	ACG	400 lbs	○	○

Chemical Name	CAS#	Min. Conc.	Screening Threshold Quantity	Do you manufacture, process, use, store, or distribute at the facility A Commercial Grade (including A Commercial Grade at or above any specified minimum concentration) of any of the following theft/diversion explosive/IED precursor chemicals of interest? Check "Yes" if the facility either currently possesses or possessed within the past 60 days A Commercial Grade of the COI at or above the screening threshold quantity in transportation packaging.	
				Yes	No
Trinitroresorcinol	82-71-3	ACG	400 lbs	○	○
Tritonal	54413-15-9	ACG	400 lbs	○	○

The list above has been reviewed and all chemicals of interest that the facility either currently possesses or possessed within the past 60 days at or above the screening threshold quantity in transportation packaging have been indicated by selecting "Yes."
[Q:5.0-714]

○ Yes

○ No

Theft/Diversion Explosive/IED Precursor Chemicals of Interest - Detail

Check if the chemical is available in portable, bulk transportation, or bulk storage containers.

A portable package can either be man-portable being movable by 1-3 people without the aid of powered mechanical devices or mechanically portable with the aid of a fork lift, truck or crane.

Bulk transportation containers include tank cars, rail cars and other large storage containers that could be hitched to a vehicle for removal from a site.

Bulk storage refers to a package or container from which the COI could be safely transferred into a portable package or container.

Chemical Name	CAS#	Min. Conc.	Screening Threshold Quantity	Portable [Q:5.1-233]	Bulk Transport [Q:5.1-234]	Bulk Storage [Q:5.1-235]
Aluminum (powder)	7429-90-5	ACG	100 lbs	○	○	○
Ammonium nitrate, [with more than 0.2 percent combustible substances, including any organic substance calculated as carbon, to the exclusion of any other added substance]	6484-52-2	ACG	400 lbs	○	○	○
Ammonium nitrate, solid [nitrogen concentration of 23% nitrogen or greater]	6484-52-2	33.00%	2000 lbs	○	○	○
Ammonium perchlorate	7790-98-9	ACG	400 lbs	○	○	○
Ammonium picrate	131-74-8	ACG	400 lbs	○	○	○
Barium azide	18810-58-7	ACG	400 lbs	○	○	○
Diazodinitrophenol	87-31-0	ACG	400 lbs	○	○	○
Diethyleneglycol dinitrate	693-21-0	ACG	400 lbs	○	○	○
Dingu [Dinitroglycoluril]	55510-04-8	ACG	400 lbs	○	○	○
Dinitrophenol	25550-58-7	ACG	400 lbs	○	○	○
Dinitroresorcinol	519-44-8	ACG	400 lbs	○	○	○
Dipicryl sulfide	2217-06-3	ACG	400 lbs	○	○	○
Dipicrylamine [or] Hexyl [Hexanitrodiphenylamine]	131-73-7	ACG	400 lbs	○	○	○

Chemical Name	CAS#	Min. Conc.	Screening Threshold Quantity	Portable [Q:5.1-233]	Bulk Transport [Q:5.1-234]	Bulk Storage [Q:5.1-235]
Guanyl nitrosaminoguanylidene hydrazine		ACG	400 lbs	○	○	○
Hexanitrostilbene	20062-22-0	ACG	400 lbs	○	○	○
Hexolite [Hexotol]	121-82-4	ACG	400 lbs	○	○	○
HMX [Cyclotetramethylene-tetranitramine]	2691-41-0	ACG	400 lbs	○	○	○
Hydrogen peroxide (concentration of at least 35%)	7722-84-1	35.00%	400 lbs	○	○	○
Lead azide	13424-46-9	ACG	400 lbs	○	○	○
Lead styphnate [Lead trinitroresorcinate]	15245-44-0	ACG	400 lbs	○	○	○
Magnesium (powder)	7439-95-4	ACG	100 lbs	○	○	○
Mercury fulminate	628-86-4	ACG	400 lbs	○	○	○
Nitric acid	7697-37-2	68.00%	400 lbs	○	○	○
Nitrobenzene	98-95-3	ACG	100 lbs	○	○	○
5-Nitrobenzotriazol	2338-12-7	ACG	400 lbs	○	○	○
Nitrocellulose	9004-70-0	ACG	400 lbs	○	○	○
Nitroglycerine	55-63-0	ACG	400 lbs	○	○	○
Nitromannite [Mannitol hexanitrate, wetted]	15825-70-4	ACG	400 lbs	○	○	○

Chemical Name	CAS#	Min. Conc.	Screening Threshold Quantity	Portable [Q:5.1-233]	Bulk Transport [Q:5.1-234]	Bulk Storage [Q:5.1-235]
Nitromethane	75-52-5	ACG	400 lbs	○	○	○
Nitrostarch	9056-38-6	ACG	400 lbs	○	○	○
Nitrotriazolone	932-64-9	ACG	400 lbs	○	○	○
Octolite	57607-37-1	ACG	400 lbs	○	○	○
Octonal	78413-87-3	ACG	400 lbs	○	○	○
Pentolite	8066-33-9	ACG	400 lbs	○	○	○
PETN [Pentaerythritol tetranitrate]	78-11-5	ACG	400 lbs	○	○	○
Phosphorus	7723-14-0	ACG	400 lbs	○	○	○
Picrite [Nitroguanidine]	556-88-7	ACG	400 lbs	○	○	○
Potassium chlorate	3811-04-9	ACG	400 lbs	○	○	○
Potassium nitrate	7757-79-1	ACG	400 lbs	○	○	○
Potassium perchlorate	7778-74-7	ACG	400 lbs	○	○	○
Potassium permanganate	7722-64-7	ACG	400 lbs	○	○	○
RDX [Cyclotrimethylenetrinitramine]	121-82-4	ACG	400 lbs	○	○	○
RDX and HMX mixtures	121-82-4	ACG	400 lbs	○	○	○
Sodium azide	26628-22-8	ACG	400 lbs	○	○	○

Chemical Name	CAS#	Min. Conc.	Screening Threshold Quantity	Portable [Q:5.1-233]	Bulk Transport [Q:5.1-234]	Bulk Storage [Q:5.1-235]
Sodium chlorate	7775-09-9	ACG	400 lbs	○	○	○
Sodium nitrate	7631-99-4	ACG	400 lbs	○	○	○
Tetranitroaniline	53014-37-2	ACG	400 lbs	○	○	○
Tetrazene [Guanyl nitrosaminoguanyltetrazene]	109-27-3	ACG	400 lbs	○	○	○
1H-Tetrazole	288-94-8	ACG	400 lbs	○	○	○
TNT [Trinitrotoluene]	118-96-7	ACG	400 lbs	○	○	○
Torpex [Hexotonal]	67713-16-0	ACG	400 lbs	○	○	○
Trinitroaniline	26952-42-1	ACG	400 lbs	○	○	○
Trinitroanisole	606-35-9	ACG	400 lbs	○	○	○
Trinitrobenzene	99-35-4	ACG	400 lbs	○	○	○
Trinitrobenzenesulfonic acid	2508-19-2	ACG	400 lbs	○	○	○
Trinitrobenzoic acid	129-66-8	ACG	400 lbs	○	○	○
Trinitrochlorobenzene	88-88-0	ACG	400 lbs	○	○	○
Trinitrofluorenone	129-79-3	ACG	400 lbs	○	○	○
Trinitro-meta-cresol	602-99-3	ACG	400 lbs	○	○	○
Trinitronaphthalene	55810-17-8	ACG	400 lbs	○	○	○

Chemical Name	CAS#	Min. Conc.	Screening Threshold Quantity	Portable [Q:5.1-233]	Bulk Transport [Q:5.1-234]	Bulk Storage [Q:5.1-235]
Trinitrophenetole	4732-14-3	ACG	400 lbs	○	○	○
Trinitrophenol	88-89-1	ACG	400 lbs	○	○	○
Trinitroresorcinol	82-71-3	ACG	400 lbs	○	○	○
Tritonal	54413-15-9	ACG	400 lbs	○	○	○

Theft/Diversion WME

Theft/Diversion Weapons of Mass Effect (WME) Chemicals of Interest

The presence or amount of a particular chemical is not the sole factor in determining whether a facility presents a high level of security risk. This information informs the subsequent parts of the Department's assessment. The Department will use its best judgment and all available information in determining whether a facility presents a high level of security risk.

Do you manufacture, process, use, store, or distribute at the facility any of the following theft/diversion WME chemicals of interest?

Check "Yes" if the facility either currently possesses or possessed within the past 60 days the COI at or above the screening threshold quantity in transportation packaging.

(The default settings on this list indicate that the chemicals are NOT currently present on site nor have been onsite within the past 60 days. At the end of the list, you must indicate that these settings have been changed as applicable to the facility.)

These chemicals were determined by the US Department of Homeland Security to be a potential security risk at "high risk chemical facilities" as defined in Section 550 the Department of Homeland Security Act of 2007. A facility should indicate which COI it either currently possesses or possessed within the past 60 days at or above the screening threshold quantity.

Transportation packaging, as defined by 49 CFR § 171.8 includes, but is not limited to, cylinders, bulk bags, bottles (inside or outside a box), cargo tanks, and/or tank cars.

A Commercial Grade (ACG) refers to any quality or concentration of a COI offered for commercial sale that a facility uses, stores, manufactures or ships.

If "No" selected for all chemicals, go to Theft/Diversion CW/CWP (page 137)

[Q:6.0-251]

Chemical Name	CAS#	Min. Conc.	Screening Threshold Quantity	Do you manufacture, process, use, store, or distribute at the facility any of the following theft/diversion WME chemicals of interest? Check "Yes" if the facility either currently possesses or possessed within the past 60 days the COI at or above the screening threshold quantity in transportation packaging.	
				Yes	No
Arsine	7784-42-1	0.67%	15 lbs	○	○
Boron tribromide	10294-33-4	12.67%	45 lbs	○	○
Boron trichloride [Borane, trichloro]	10294-34-5	84.70%	45 lbs	○	○
Boron trifluoride [Borane, trifluoro]	7637-07-2	26.87%	45 lbs	○	○
Bromine chloride	13863-41-7	9.67%	45 lbs	○	○
Bromine trifluoride	7787-71-5	6.00%	45 lbs	○	○
Carbonyl fluoride	353-50-4	12.00%	45 lbs	○	○
Carbonyl sulfide	463-58-1	56.67%	500 lbs	○	○
Chlorine	7782-50-5	9.77%	500 lbs	○	○
Chlorine pentafluoride	13637-63-3	4.07%	15 lbs	○	○
Chlorine trifluoride	7790-91-2	9.97%	45 lbs	○	○

Chemical Name	CAS#	Min. Conc.	Screening Threshold Quantity	Do you manufacture, process, use, store, or distribute at the facility any of the following theft/diversion WME chemicals of interest? Check "Yes" if the facility either currently possesses or possessed within the past 60 days the COI at or above the screening threshold quantity in transportation packaging.	
				Yes	No
Cyanogen [Ethanedinitrile]	460-19-5	11.67%	45 lbs	○	○
Cyanogen chloride	506-77-4	2.67%	15 lbs	○	○
Diborane	19287-45-7	2.67%	15 lbs	○	○
Dichlorosilane [Silane, dichloro-]	4109-96-0	10.47%	45 lbs	○	○
Dinitrogen tetroxide	10544-72-6	3.80%	15 lbs	○	○
Fluorine	7782-41-4	6.17%	15 lbs	○	○
Germane	7782-65-2	20.73%	45 lbs	○	○
Germanium tetrafluoride	7783-58-6	2.11%	15 lbs	○	○
Hexaethyl tetraphosphate and compressed gas mixtures	757-58-4	33.37%	500 lbs	○	○
Hexafluoroacetone	684-16-2	15.67%	45 lbs	○	○
Hydrogen bromide (anhydrous)	10035-10-6	95.33%	500 lbs	○	○

Chemical Name	CAS#	Min. Conc.	Screening Threshold Quantity	Do you manufacture, process, use, store, or distribute at the facility any of the following theft/diversion WME chemicals of interest? Check "Yes" if the facility either currently possesses or possessed within the past 60 days the COI at or above the screening threshold quantity in transportation packaging.	
				Yes	No
Hydrogen chloride (anhydrous)	7647-01-0	ACG	500 lbs	○	○
Hydrogen cyanide [Hydrocyanic acid]	74-90-8	4.67%	15 lbs	○	○
Hydrogen fluoride (anhydrous)	7664-39-3	42.53%	45 lbs	○	○
Hydrogen iodide, anhydrous	10034-85-2	95.33%	500 lbs	○	○
Hydrogen selenide	7783-07-5	0.07%	15 lbs	○	○
Hydrogen sulfide	7783-06-4	23.73%	45 lbs	○	○
Methyl mercaptan [Methanethiol]	74-93-1	45.00%	500 lbs	○	○
Methylchlorosilane	993-00-0	20.00%	45 lbs	○	○
Nitric oxide [Nitrogen oxide (NO)]	10102-43-9	3.83%	15 lbs	○	○
Nitrogen trioxide	10544-73-7	3.83%	15 lbs	○	○
Nitrosyl chloride	2696-92-6	1.17%	15 lbs	○	○

Chemical Name	CAS#	Min. Conc.	Screening	Do you manufacture, process, use,	
				Yes	No
Oxygen difluoride	7783-41-7	0.09%	15 lbs	○	○
Perchloryl fluoride	7616-94-6	25.67%	45 lbs	○	○
Phosgene [Carbonic dichloride] or [carbonyl dichloride]	75-44-5	0.17%	15 lbs	○	○
Phosphine	7803-51-2	0.67%	15 lbs	○	○
Phosphorus trichloride	7719-12-2	3.48%	45 lbs	○	○
Selenium hexafluoride	7783-79-1	1.67%	15 lbs	○	○
Silicon tetrafluoride	7783-61-1	15.00%	45 lbs	○	○
Stibine	7803-52-3	0.67%	15 lbs	○	○
Sulfur dioxide (anhydrous)	7446-09-5	84.00%	500 lbs	○	○
Sulfur tetrafluoride [Sulfur fluoride (SF_4), (T-4)-]	7783-60-0	1.33%	15 lbs	○	○
Tellurium hexafluoride	7783-80-4	0.83%	15 lbs	○	○

Chemical Name	CAS#	Min. Conc.	Screening Threshold Quantity	Do you manufacture, process, use, store, or distribute at the facility any of the following theft/diversion WME chemicals of interest? Check "Yes" if the facility either currently possesses or possessed within the past 60 days the COI at or above the screening threshold quantity in transportation packaging.	
				Yes	No
Titanium tetrachloride [Titanium chloride ($TiCl_4$) (T-4)-]	7550-45-0	13.33%	45 lbs	○	○
Trifluoroacetyl chloride	354-32-5	6.93%	45 lbs	○	○
Trifluorochloroethylene [Ethene, chlorotrifluoro]	79-38-9	66.67%	500 lbs	○	○
Tungsten hexafluoride	7783-82-6	7.10%	45 lbs	○	○

The list above has been reviewed and all chemicals of interest that the facility either currently possesses or possessed within the past

[Q:6.0-715]

○ Yes

○ No

Theft/Diversion Weapons of Mass Effect (WME) Chemicals of Interest - Detail

Check if the chemical is available in portable or bulk transportation containers.

A portable package can either be man-portable being movable by 1-3 people without the aid of powered mechanical devices or mechanically portable with the aid of a fork lift, truck or crane.

Bulk transportation containers include tank cars, rail cars and other large storage containers that could be hitched to a vehicle for removal from a site.

Bulk storage refers to a package or container from which the COI could be safely transferred into a portable package or container.

Chemical Name	CAS#	Min. Conc.	Screening Threshold Quantity	Portable [Q:6.1-253]	Bulk Transport [Q:6.1-254]	Bulk Storage [Q:6.1-7071]
Arsine	7784-42-1	0.67%	15 lbs	○	○	○
Boron tribromide	10294-33-4	12.67%	45 lbs	○	○	○
Boron trichloride [Borane, trichloro]	10294-34-5	84.70%	45 lbs	○	○	○
Boron trifluoride [Borane, trifluoro]	7637-07-2	26.87%	45 lbs	○	○	○
Bromine chloride	13863-41-7	9.67%	45 lbs	○	○	○
Bromine trifluoride	7787-71-5	6.00%	45 lbs	○	○	○
Carbonyl fluoride	353-50-4	12.00%	45 lbs	○	○	○
Carbonyl sulfide	463-58-1	56.67%	500 lbs	○	○	○
Chlorine	7782-50-5	9.77%	500 lbs	○	○	○

Chemical Name	CAS#	Min. Conc.	Screening Threshold Quantity	Portable [Q:6.1-253]	Bulk Transport [Q:6.1-254]	Bulk Storage [Q:6.1-7071]
Chlorine pentafluoride	13637-63-3	4.07%	15 lbs	○	○	○
Chlorine trifluoride	7790-91-2	9.97%	45 lbs	○	○	○
Cyanogen [Ethanedinitrile]	460-19-5	11.67%	45 lbs	○	○	○
Cyanogen chloride	506-77-4	2.67%	15 lbs	○	○	○
Diborane	19287-45-7	2.67%	15 lbs	○	○	○
Dichlorosilane [Silane, dichloro-]	4109-96-0	10.47%	45 lbs	○	○	○
Dinitrogen tetroxide	10544-72-6	3.80%	15 lbs	○	○	○
Fluorine	7782-41-4	6.17%	15 lbs	○	○	○
Germane	7782-65-2	20.73%	45 lbs	○	○	○
Germanium tetrafluoride	7783-58-6	2.11%	15 lbs	○	○	○
Hexaethyl tetraphosphate and compressed gas mixtures	757-58-4	33.37%	500 lbs	○	○	○
Hexafluoroacetone	684-16-2	15.67%	45 lbs	○	○	○
Hydrogen bromide (anhydrous)	10035-10-6	95.33%	500 lbs	○	○	○
Hydrogen chloride (anhydrous)	7647-01-0	ACG	500 lbs	○	○	○
Hydrogen cyanide [Hydrocyanic acid]	74-90-8	4.67%	15 lbs	○	○	○

Chemical Name	CAS#	Min. Conc.	Screening Threshold Quantity	Portable [Q:6.1-253]	Bulk Transport [Q:6.1-254]	Bulk Storage [Q:6.1-7071]
Hydrogen fluoride (anhydrous)	7664-39-3	42.53%	45 lbs	○	○	○
Hydrogen iodide, anhydrous	10034-85-2	95.33%	500 lbs	○	○	○
Hydrogen selenide	7783-07-5	0.07%	15 lbs	○	○	○
Hydrogen sulfide	7783-06-4	23.73%	45 lbs	○	○	○
Methyl mercaptan [Methanethiol]	74-93-1	45.00%	500 lbs	○	○	○
Methylchlorosilane	993-00-0	20.00%	45 lbs	○	○	○
Nitric oxide [Nitrogen oxide (NO)]	10102-43-9	3.83%	15 lbs	○	○	○
Nitrogen trioxide	10544-73-7	3.83%	15 lbs	○	○	○
Nitrosyl chloride	2696-92-6	1.17%	15 lbs	○	○	○
Oxygen difluoride	7783-41-7	0.09%	15 lbs	○	○	○
Perchloryl fluoride	7616-94-6	25.67%	45 lbs	○	○	○
Phosgene [Carbonic dichloride] or [carbonyl dichloride]	75-44-5	0.17%	15 lbs	○	○	○
Phosphine	7803-51-2	0.67%	15 lbs	○	○	○
Phosphorus trichloride	7719-12-2	3.48%	45 lbs	○	○	○
Selenium hexafluoride	7783-79-1	1.67%	15 lbs	○	○	○
Silicon tetrafluoride	7783-61-1	15.00%	45 lbs	○	○	○

Chemical Name	CAS#	Min. Conc.	Screening Threshold Quantity	Portable [Q:6.1-253]	Bulk Transport [Q:6.1-254]	Bulk Storage [Q:6.1-7071]
Stibine	7803-52-3	0.67%	15 lbs	○	○	○
Sulfur dioxide (anhydrous)	7446-09-5	84.00%	500 lbs	○	○	○
Sulfur tetrafluoride [Sulfur fluoride (SF_4), (T-4)-]	7783-60-0	1.33%	15 lbs	○	○	○
Tellurium hexafluoride	7783-80-4	0.83%	15 lbs	○	○	○
Titanium tetrachloride [Titanium chloride ($TiCl_4$) (T-4)-]	7550-45-0	13.33%	45 lbs	○	○	○
Trifluoroacetyl chloride	354-32-5	6.93%	45 lbs	○	○	○
Trifluorochloroethylene [Ethene, chlorotrifluoro]	79-38-9	66.67%	500 lbs	○	○	○
Tungsten hexafluoride	7783-82-6	7.10%	45 lbs	○	○	○

Theft/Diversion CW/CWP

Theft/Diversion of Chemical Weapons/Chemical Weapon Precursors (CW/CWP) Chemicals of Interest

The presence or amount of a particular chemical is not the sole factor in determining whether a facility presents a high level of security risk. This information informs the subsequent parts of the Department's assessment. The Department will use its best judgment and all available information in determining whether a facility presents a high level of security risk.

Do you manufacture, process, use, store, or distribute at the facility any of the following theft/diversion CW/CWP chemicals of interest?

Check "Yes" if the facility either currently possesses or possessed within the past 60 days the COI at or above the screening threshold quantity in transportation packaging.

(The default settings on this list indicate that the chemicals are NOT currently present on site nor have been onsite within the past 60 days. At the end of the list, you must indicate that these settings have been changed as applicable to the facility.)

These chemicals were determined by the US Department of Homeland Security to be a potential security risk at "high risk chemical facilities" as defined in Section 550 the Department of Homeland Security Act of 2007. A facility should indicate which COI it either currently possesses or possessed within the past 60 days at or above the screening threshold quantity.

NOTE: The STQ for chemical weapons is a cumulative 100 grams (CUM 100g). In order to determine whether or not a facility meets or exceeds this STQ, a facility must total the amount of any and all chemical weapons it possesses or possessed toward the single STQ of CUM 100 g which applies to all chemical weapons.

Transportation packaging, as defined by 49 CFR § 171.8 includes, but is not limited to, cylinders, bulk bags, bottles (inside or outside a box), cargo tanks, and tank cars.

If the answer to question [Q:1.1-65]*, "Choose the facility type that best describes your facility" is Refinery or Liquefied Natural Gas Storage, or if "No" selected for all chemicals, go to Sabotage/Contamination Chemicals (page 148)*

[Q:7.0-257]

Chemical Name	CAS#	Min. Conc.	Screening Threshold Quantity	Do you manufacture, process, use, store, or distribute at the facility any of the following theft/diversion CW/CWP chemicals of interest? Check "Yes" if the facility either currently possesses or possessed within the past 60 days the COI at or above the screening threshold quantity in transportation packaging.	
				Yes	No
Arsenic trichloride [Arsenous trichloride]	7784-34-1	30.00%	2.2 lbs	○	○
1,4-Bis(2-chloroethylthio)-n-butane	142868-93-7		CUM 100g	○	○
Bis(2-chloroethylthio)methane	63869-13-6		CUM 100g	○	○
Bis(2-chloroethylthiomethyl)ether	63918-90-1		CUM 100g	○	○
1,5-Bis(2-chloroethylthio)-n-pentane	142868-94-8		CUM 100g	○	○
1,3-Bis(2-chloroethylthio)-n-propane	63905-10-2		CUM 100g	○	○
2-Chloroethylchloro-methylsulfide	2625-76-5		CUM 100g	○	○
Chlorosarin [o-Isopropyl methylphosphonochloridate]	1445-76-7		CUM 100g	○	○
Chlorosoman [o-Pinacolyl methylphosphonochloridate]	7040-57-5		CUM 100g	○	○
DF [Methyl phosphonyl difluoride]	676-98-3		CUM 100g	○	○
N,N-(2-diethylamino)ethanethiol	100-38-9	30.00%	2.2 lbs	○	○

Chemical Name	CAS#	Min. Conc.	Screening Threshold Quantity	Do you manufacture, process, use, store, or distribute at the facility any of the following theft/diversion CW/CWP chemicals of interest? Check "Yes" if the facility either currently possesses or possessed within the past 60 days the COI at or above the screening threshold quantity in transportation packaging.	
				Yes	No
o,o-Diethyl S-[2-(diethylamino)ethyl] phosphorothiolate	78-53-5	30.00%	2.2 lbs	○	○
Diethyl methylphosphonite	15715-41-0	30.00%	2.2 lbs	○	○
N,N-Diethyl phosphoramidic dichloride	1498-54-0	30.00%	2.2 lbs	○	○
N,N-(2-diisopropylamino)ethanethiol [N,N-diisopropyl-β-aminoethane thiol]	5842-07-9	30.00%	2.2 lbs	○	○
N,N-Diisopropyl phosphoramidic dichloride	23306-80-1	30.00%	2.2 lbs	○	○
N,N-(2-dimethylamino)ethanethiol	108-02-1	30.00%	2.2 lbs	○	○
N,N-Dimethyl phosphoramidic dichloride [Dimethylphosphoramido-dichloridate]	677-43-0	30.00%	2.2 lbs	○	○
N,N-(2-dipropylamino)ethanethiol	5842-06-8	30.00%	2.2 lbs	○	○
N,N-Dipropyl phosphoramidic dichloride	40881-98-9	30.00%	2.2 lbs	○	○
Ethyl phosphonyl difluoride	753-98-0		CUM 100g	○	○
Ethyldiethanolamine	139-87-7	80.00%	220 lbs	○	○
Ethylphosphonothioic dichloride	993-43-1	30.00%	2.2 lbs	○	○

Chemical Name	CAS#	Min. Conc.	Screening Threshold Quantity	Do you manufacture, process, use, store, or distribute at the facility any of the following theft/diversion CW/CWP chemicals of interest? Check "Yes" if the facility either currently possesses or possessed within the past 60 days the COI at or above the screening threshold quantity in transportation packaging.	
				Yes	No
HN1 (Nitrogen Mustard-1) [Bis(2-chloroethyl)ethylamine]	538-07-8		CUM 100g	○	○
HN2 (Nitrogen Mustard-2) [Bis(2-chloroethyl)methylamine]	51-75-2		CUM 100g	○	○
HN3 (Nitrogen Mustard-3) [Tris(2-chloroethyl)amine]	555-77-1		CUM 100g	○	○
Isopropylphosphonothioic dichloride	1498-60-8	30.00%	2.2 lbs	○	○
Isopropylphosphonyl difluoride	677-42-9		CUM 100g	○	○
Lewisite 1 [2-chlorovinyldichloroarsine]	541-25-3		CUM 100g	○	○
Lewisite 2 [Bis(2-chlorovinyl)chloroarsine]	40334-69-8		CUM 100g	○	○
Lewisite 3 [Tris(2-chlorovinyl)arsine]	40334-70-1		CUM 100g	○	○
MDEA [Methyldiethanolamine]	105-59-9	80.00%	220 lbs	○	○
Methylphosphonothioic dichloride	676-98-2	30.00%	2.2 lbs	○	○

Chemical Name	CAS#	Min. Conc.	Screening Threshold Quantity	Do you manufacture, process, use, store, or distribute at the facility any of the following theft/diversion CW/CWP chemicals of interest? Check "Yes" if the facility either currently possesses or possessed within the past 60 days the COI at or above the screening threshold quantity in transportation packaging.	
				Yes	No
O-Mustard (T) [Bis(2-chloroethylthioethyl)ether]	63918-89-8		CUM 100g	○	○
Nitrogen mustard hydrochloride [Bis(2-chloroethyl)methylamine hydrochloride]	55-86-7	30.00%	2.2 lbs	○	○
Phosphorus oxychloride [Phosphoryl chloride]	10025-87-3	80.00%	220 lbs	○	○
Propylphosphonothioic dichloride	2524-01-8	30.00%	2.2 lbs	○	○
Propylphosphonyl difluoride	690-14-2		CUM 100g	○	○
QL [o-Ethyl-o-2-diisopropylaminoethyl methylphosphonite]	57856-11-8		CUM 100g	○	○
Sarin [o-Isopropyl methylphosphonofluoridate]	107-44-8		CUM 100g	○	○
Sesquimustard [1,2-Bis(2-chloroethylthio)ethane]	3563-36-8		CUM 100g	○	○
Soman [o-Pinacolyl methylphosphonofluoridate]	96-64-0		CUM 100g	○	○

Chemical Name	CAS#	Min. Conc.	Screening Threshold Quantity	Do you manufacture, process, use, store, or distribute at the facility any of the following theft/diversion CW/CWP chemicals of interest? Check "Yes" if the facility either currently possesses or possessed within the past 60 days the COI at or above the screening threshold quantity in transportation packaging.	
				Yes	No
Sulfur Mustard (Mustard gas (H)) [Bis(2-chloroethyl)sulfide]	505-60-2		CUM 100g	○	○
Tabun [o-Ethyl-N,N-dimethylphosphoramido-cyanidate]	77-81-6		CUM 100g	○	○
Thiodiglycol [Bis(2-hydroxyethyl)sulfide]	111-48-8	30.00%	2.2 lbs	○	○
Triethanolamine	102-71-6	80.00%	220 lbs	○	○
Triethanolamine hydrochloride	637-39-8	80.00%	220 lbs	○	○
Triethyl phosphite	122-52-1	80.00%	220 lbs	○	○
Trimethyl phosphite	121-45-9	80.00%	220 lbs	○	○
VX [o-Ethyl-S-2-diisopropylaminoethyl methyl phosphonothiolate]	50782-69-9		CUM 100g	○	○

The list above has been reviewed and all chemicals of interest that the facility either currently possesses or possessed within the past 60 days at or above the screening threshold quantity in transportation packaging have been indicated by selecting "Yes."
[Q:7.0-721]

- ○ Yes
- ○ No

Theft/Diversion Chemical Weapons/Chemical Weapon Precursors (CW/CWP) Chemicals of Interest - Details

Check if the chemical is available in portable, bulk transportation, or bulk storage containers.

A portable package can either be man-portable being movable by 1-3 people without the aid of powered mechanical devices or mechanically portable with the aid of a fork lift, truck or crane.

Bulk transportation containers include tank cars, rail cars and other large storage containers that could be hitched to a vehicle for removal from a site.

Bulk storage refers to a package or container from which the COI could be safely transferred into a portable package or container.

Chemical Name	CAS#	Min. Conc.	Screening Threshold Quantity	Portable [Q:7.1-260]	Bulk Transport [Q:7.1-261]	Bulk Storage [Q:7.1-262]
Arsenic trichloride [Arsenous trichloride]	7784-34-1	30.00%	2.2 lbs	○	○	○
1,4-Bis(2-chloroethylthio)-n-butane	142868-93-7		CUM 100g	○	○	○
Bis(2-chloroethylthio)methane	63869-13-6		CUM 100g	○	○	○
Bis(2-chloroethylthiomethyl)ether	63918-90-1		CUM 100g	○	○	○

Chemical Name	CAS#	Min. Conc.	Screening Threshold Quantity	Portable [Q:7.1-260]	Bulk Transport [Q:7.1-261]	Bulk Storage [Q:7.1-262]
1,5-Bis(2-chloroethylthio)-n-pentane	142868-94-8		CUM 100g	○	○	○
1,3-Bis(2-chloroethylthio)-n-propane	63905-10-2		CUM 100g	○	○	○
2-Chloroethylchloro-methylsulfide	2625-76-5		CUM 100g	○	○	○
Chlorosarin [o-Isopropyl methylphosphonochloridate]	1445-76-7		CUM 100g	○	○	○
Chlorosoman [o-Pinacolyl methylphosphonochloridate]	7040-57-5		CUM 100g	○	○	○
DF [Methyl phosphonyl difluoride]	676-98-3		CUM 100g	○	○	○
N,N-(2-diethylamino)ethanethiol	100-38-9	30.00%	2.2 lbs	○	○	○
o,o-Diethyl S-[2-(diethylamino)ethyl] phosphorothiolate	78-53-5	30.00%	2.2 lbs	○	○	○
Diethyl methylphosphonite	15715-41-0	30.00%	2.2 lbs	○	○	○
N,N-Diethyl phosphoramidic dichloride	1498-54-0	30.00%	2.2 lbs	○	○	○
N,N-(2-diisopropylamino)ethanethiol [N,N-diisopropyl-β-aminoethane thiol]	5842-07-9	30.00%	2.2 lbs	○	○	○
N,N-Diisopropyl phosphoramidic dichloride	23306-80-1	30.00%	2.2 lbs	○	○	○
N,N-(2-dimethylamino)ethanethiol	108-02-1	30.00%	2.2 lbs	○	○	○
N,N-Dimethyl phosphoramidic dichloride [Dimethylphosphoramido-dichloridate]	677-43-0	30.00%	2.2 lbs	○	○	○
N,N-(2-dipropylamino)ethanethiol	5842-06-8	30.00%	2.2 lbs	○	○	○

Chemical Name	CAS#	Min. Conc.	Screening Threshold Quantity	Portable [Q:7.1-260]	Bulk Transport [Q:7.1-261]	Bulk Storage [Q:7.1-262]
N,N-Dipropyl phosphoramidic dichloride	40881-98-9	30.00%	2.2 lbs	○	○	
Ethyl phosphonyl difluoride	753-98-0		CUM 100g	○	○	○
Ethyldiethanolamine	139-87-7	80.00%	220 lbs	○	○	○
Ethylphosphonothioic dichloride	993-43-1	30.00%	2.2 lbs	○	○	○
HN1 (Nitrogen Mustard-1) [Bis(2-chloroethyl)ethylamine]	538-07-8		CUM 100g	○	○	○
HN2 (Nitrogen Mustard-2) [Bis(2-chloroethyl)methylamine]	51-75-2		CUM 100g	○	○	○
HN3 (Nitrogen Mustard-3) [Tris(2-chloroethyl)amine]	555-77-1		CUM 100g	○	○	○
Isopropylphosphonothioic dichloride	1498-60-8	30.00%	2.2 lbs	○	○	○
Isopropylphosphonyl difluoride	677-42-9		CUM 100g	○	○	○
Lewisite 1 [2-chlorovinyldichloroarsine]	541-25-3		CUM 100g	○	○	○
Lewisite 2 [Bis(2-chlorovinyl)chloroarsine]	40334-69-8		CUM 100g	○	○	○
Lewisite 3 [Tris(2-chlorovinyl)arsine]	40334-70-1		CUM 100g	○	○	○
MDEA [Methyldiethanolamine]	105-59-9	80.00%	220 lbs	○	○	○
Methylphosphonothioic dichloride	676-98-2	30.00%	2.2 lbs	○	○	○

Chemical Name	CAS#	Min. Conc.	Screening Threshold Quantity	Portable [Q:7.1-260]	Bulk Transport [Q:7.1-261]	Bulk Storage [Q:7.1-262]
O-Mustard (T) [Bis(2-chloroethylthioethyl)ether]	63918-89-8		CUM 100g	○	○	○
Nitrogen mustard hydrochloride [Bis(2-chloroethyl)methylamine hydrochloride]	55-86-7	30.00%	2.2 lbs	○	○	○
Phosphorus oxychloride [Phosphoryl chloride]	10025-87-3	80.00%	220 lbs	○	○	○
Propylphosphonothioic dichloride	2524-01-8	30.00%	2.2 lbs	○	○	○
Propylphosphonyl difluoride	690-14-2		CUM 100g	○	○	○
QL [o-Ethyl-o-2-diisopropylaminoethyl methylphosphonite]	57856-11-8		CUM 100g	○	○	○
Sarin [o-Isopropyl methylphosphonofluoridate]	107-44-8		CUM 100g	○	○	○
Sesquimustard [1,2-Bis(2-chloroethylthio)ethane]	3563-36-8		CUM 100g	○	○	○
Soman [o-Pinacolyl methylphosphonofluoridate]	96-64-0		CUM 100g	○	○	○
Sulfur Mustard (Mustard gas (H)) [Bis(2-chloroethyl)sulfide]	505-60-2		CUM 100g	○	○	○
Tabun [o-Ethyl-N,N-dimethylphosphoramido-cyanidate]	77-81-6		CUM 100g	○	○	○
Thiodiglycol [Bis(2-hydroxyethyl)sulfide]	111-48-8	30.00%	2.2 lbs	○	○	○

Chemical Name	CAS#	Min. Conc.	Screening Threshold Quantity	Portable [Q:7.1-260]	Bulk Transport [Q:7.1-261]	Bulk Storage [Q:7.1-262]
Triethanolamine	102-71-6	80.00%	220 lbs	○	○	○
Triethanolamine hydrochloride	637-39-8	80.00%	220 lbs	○	○	○
Triethyl phosphite	122-52-1	80.00%	220 lbs	○	○	○
Trimethyl phosphite	121-45-9	80.00%	220 lbs	○	○	○
VX [o-Ethyl-S-2-diisopropylaminoethyl methyl phosphonothiolate]	50782-69-9		CUM 100g	○	○	○

Sabotage/Contamination Chemicals

Sabotage/Contamination Chemicals of Interest

The presence or amount of a particular chemical is not the sole factor in determining whether a facility presents a high level of security risk. This information informs the subsequent parts of the Department's assessment. The Department will use its best judgment and all available information in determining whether a facility presents a high level of security risk.

Does the facility ship or has it shipped any of the following chemicals of interest in a placarded amount?

A facility meets or exceeds the STQ for a sabotage/contamination chemical of interest if it ships or has shipped the chemical and is or was required to placard the shipment of that chemical pursuant to the provisions of subpart F of 49 CFR part 172.

(The default settings on this list indicate that the chemicals are NOT currently present on site nor have been onsite within the past 60 days. At the end of the list, you must indicate that these settings have been changed as applicable to the facility.)

These chemicals were determined by the US Department of Homeland Security to be a potential security risk at "high risk chemical facilities" as defined in Section 550 the Department of Homeland Security Act of 2007. A facility should indicate which COI it either currently possesses or possessed within the past 60 days at or above the screening threshold quantity.

A Commercial Grade (ACG) refers to any quality or concentration of a COI offered for commercial sale that a facility uses, stores, manufactures or ships.

A Placarded Amount (APA) refers to the STQ for a sabotage and contamination chemical of interest, as calculated in accordance with § 27.203(d).
If "No" selected for all chemicals, go to Mission Critical Chemicals (page 155)

[Q:8.1-722]

Chemical Name	CAS#	Min. Conc.	Screening Threshold Quantity	Does the facility ship or has it shipped any of the following chemicals of interest in a placarded amount? A facility meets or exceeds the STQ for a sabotage/contamination chemical of interest if it ships or has shipped the chemical and is or was required to placard the shipment of that chemical pursuant to the provisions of subpart F of 49 CFR part 172.	
				Yes	No
Acetone cyanohydrin, stabilized	75-86-5	ACG	APA	○	○
Acetyl bromide	506-96-7	ACG	APA	○	○
Acetyl chloride	75-36-5	ACG	APA	○	○
Acetyl iodide	507-02-8	ACG	APA	○	○
Allyltrichlorosilane, stabilized	107-37-9	ACG	APA	○	○
Aluminum bromide, anhydrous	7727-15-3	ACG	APA	○	○
Aluminum chloride, anhydrous	7446-70-0	ACG	APA	○	○
Aluminum phosphide	20859-73-8	ACG	APA	○	○
Amyltrichlorosilane	107-72-2	ACG	APA	○	○
Antimony pentafluoride	7783-70-2	ACG	APA	○	○
Boron tribromide	10294-33-4	ACG	APA	○	○
Bromine pentafluoride	7789-30-2	ACG	APA	○	○
Bromine trifluoride	7787-71-5	ACG	APA	○	○
Butyltrichlorosilane	7521-80-4	ACG	APA	○	○

Chemical Name	CAS#	Min. Conc.	Screening Threshold Quantity	Does the facility ship or has it shipped any of the following chemicals of interest in a placarded amount? A facility meets or exceeds the STQ for a sabotage/contamination chemical of interest if it ships or has shipped the chemical and is or was required to placard the shipment of that chemical pursuant to the provisions of subpart F of 49 CFR part 172.	
				Yes	No
Calcium hydrosulfite [Calcium dithionite]	15512-36-4	ACG	APA	○	○
Calcium phosphide	1305-99-3	ACG	APA	○	○
Chlorine dioxide [Chlorine oxide, (ClO_2)]	10049-04-4	ACG	APA	○	○
Chloroacetyl chloride	79-04-9	ACG	APA	○	○
Chlorosulfonic acid	7790-94-5	ACG	APA	○	○
Chromium oxychloride	14977-61-8	ACG	APA	○	○
Cyclohexyltrichlorosilane	98-12-4	ACG	APA	○	○
Diethyldichlorosilane	1719-53-5	ACG	APA	○	○
Dimethyldichlorosilane [Silane, dichlorodimethyl-]	75-78-5	ACG	APA	○	○
Diphenyldichlorosilane	80-10-4	ACG	APA	○	○
Dodecyltrichlorosilane	4484-72-4	ACG	APA	○	○
Ethyltrichlorosilane	115-21-9	ACG	APA	○	○

Chemical Name	CAS#	Min. Conc.	Screening Threshold Quantity	Does the facility ship or has it shipped any of the following chemicals of interest in a placarded amount? A facility meets or exceeds the STQ for a sabotage/contamination chemical of interest if it ships or has shipped the chemical and is or was required to placard the shipment of that chemical pursuant to the provisions of subpart F of 49 CFR part 172.	
				Yes	No
Fluorosulfonic acid	7789-21-1	ACG	APA	○	○
Hexyltrichlorosilane	928-65-4	ACG	APA	○	○
Iodine pentafluoride	7783-66-6	ACG	APA	○	○
Lithium amide	7782-89-0	ACG	APA	○	○
Lithium nitride	26134-62-3	ACG	APA	○	○
Magnesium diamide	7803-54-5	ACG	APA	○	○
Magnesium phosphide	12057-74-8	ACG	APA	○	○
Methyldichlorosilane	75-54-7	ACG	APA	○	○
Methylphenyldichlorosilane	149-74-6	ACG	APA	○	○
Methyltrichlorosilane [Silane, trichloromethyl-]	75-79-6	ACG	APA	○	○
Nonyltrichlorosilane	5283-67-0	ACG	APA	○	○
Octadecyltrichlorosilane	112-04-9	ACG	APA	○	○
Octyltrichlorosilane	5283-66-9	ACG	APA	○	○

Chemical Name	CAS#	Min. Conc.	Screening Threshold Quantity	Does the facility ship or has it shipped any of the following chemicals of interest in a placarded amount? A facility meets or exceeds the STQ for a sabotage/contamination chemical of interest if it ships or has shipped the chemical and is or was required to placard the shipment of that chemical pursuant to the provisions of subpart F of 49 CFR part 172.	
				Yes	No
Phenyltrichlorosilane	98-13-5	ACG	APA	○	○
Phosphorus oxychloride [Phosphoryl chloride]	10025-87-3	ACG	APA	○	○
Phosphorus pentabromide	7789-69-7	ACG	APA	○	○
Phosphorus pentachloride	10026-13-8	ACG	APA	○	○
Phosphorus pentasulfide	1314-80-3	ACG	APA	○	○
Phosphorus trichloride	7719-12-2	ACG	APA	○	○
Potassium cyanide	151-50-8	ACG	APA	○	○
Potassium phosphide	20770-41-6	ACG	APA	○	○
Propyltrichlorosilane	141-57-1	ACG	APA	○	○
Silicon tetrachloride	10026-04-7	ACG	APA	○	○
Sodium cyanide	143-33-9	ACG	APA	○	○
Sodium hydrosulfite [Sodium dithionite]	7775-14-6	ACG	APA	○	○
Sodium phosphide	12058-85-4	ACG	APA	○	○

Chemical Name	CAS#	Min. Conc.	Screening Threshold Quantity	Does the facility ship or has it shipped any of the following chemicals of interest in a placarded amount? A facility meets or exceeds the STQ for a sabotage/contamination chemical of interest if it ships or has shipped the chemical and is or was required to placard the shipment of that chemical pursuant to the provisions of subpart F of 49 CFR part 172.	
				Yes	No
Strontium phosphide	12504-16-4	ACG	APA	○	○
Sulfuryl chloride	7791-25-5	ACG	APA	○	○
Thionyl chloride	7719-09-7	ACG	APA	○	○
Titanium tetrachloride [Titanium chloride ($TiCl_4$) (T-4)-]	7550-45-0	ACG	APA	○	○
Trichlorosilane [Silane, trichloro-]	10025-78-2	ACG	APA	○	○
Trimethylchlorosilane [Silane, chlorotrimethyl-]	75-77-4	ACG	APA	○	○
Vinyltrichlorosilane	75-94-5	ACG	APA	○	○
Zinc hydrosulfite [Zinc dithionite]	7779-86-4	ACG	APA	○	○

The list above has been reviewed and all chemicals of interest that the facility either currently possesses or possessed within the past 60 days at or above the screening threshold quantity have been indicated by selecting "Yes."
[Q:8.1-718]

- ○ Yes
- ○ No

Mission Critical Chemicals

Mission Critical Chemical Production

Does this facility account for 20% or more of the domestic production of any chemical AND supply the chemical to one or more of the following critical infrastructure sectors: Defense Industrial Base, Energy (electricity generation only), Public Health or Healthcare, and/or Public Drinking Water? The facility should answer this question for chemicals listed in Appendix A, as well as for those not listed in Appendix A.
[Q:9.0-692]

○ Yes

○ No

▲ This question should be answered "Yes" if this facility accounts for 20% or more of the domestic production of a chemical to one or more critical infrastructure sectors. A single facility may produce more than one chemical that meets the criteria.

If answered "No", go to Economically Critical Chemicals (page 160)

For each chemical, copy the following pages (156-159) and answer the following fields:

- *"Chemical Name"*
- *"Enter the CAS# (if available)"*
- *"Is there another common name for this chemical?"*
- *"Select the facility's estimated domestic market share of this chemical."*
- *"What is the primary application of this chemical by this facility's customer(s)?"*
- *"Indicate the primary sector(s) for which this facility produces this chemical."*
- *"Exact (or direct) substitute(s) for this chemical produced to meet the supply needs of this facility's customer(s)"*
  - o *Is there North American production?*
  - o *Is there overseas production?*
- *"Functional substitute(s) for this chemical produced to meet the supply needs of this facility's customer(s)"*
  - o *Is there North American production?*
  - o *Is there overseas production?*
- *"What is this facility's estimated annual average Capacity Utilization Rate for this chemical?"*
- *"What is this facility's estimated National Emergency Production Rate for this chemical?"*
- *"What is the total annual production of this chemical (in pounds/year) from this facility?"*
- *"What is the estimated replacement cost of the production unit(s) for this chemical at this facility?"*

After the above information has been entered, go to Economically Critical Chemicals (page 160)

Enter the chemical name(s) that account for 20% of the domestic production to one or more critical infrastructure sectors. The critical infrastructure sectors are defined as Defense Industrial Base, Energy (electric generation only), Public Health and Healthcare, or Public Drinking Water.

For each chemical, enter the appropriate information.

Chemical Name
[Q:9.1-693]

Enter the CAS# (if available).

CAS # [Q:9.3-852]

Is there another common name for this chemical?
[Q:9.3-733]

Enter another common name for this chemical.

▲ This question is optional if you provided a CAS#.

Select the facility's estimated domestic market share of this chemical.
[Q:9.3-734]

- ○ 20% - 29%
- ○ 30% - 39%
- ○ 40% - 50%
- ○ 50% - 99%
- ○ 100%

What is the primary application of this chemical by this facility's customer(s)?
[Q:9.3-737]

Indicate the primary sector(s) for which this facility produces this chemical. Check all that apply.
[Q:9.3-1131]

- ☐ Defense Industrial Base
- ☐ Public Heath or Healthcare
- ☐ Energy (electric generation only)
- ☐ Public Drinking Water

Exact (or direct) substitute(s) for this chemical produced to meet the supply needs of this facility's customer(s):

Is there North American production? [Q:9.4-755] ○ Yes ○ No

Is there overseas production? [Q:9.4-756] ○ Yes ○ No

Functional substitute(s) for this chemical produced to meet the supply needs of this facility's customer(s):

Is there North American production? [Q:9.4-759] ○ Yes ○ No

Is there overseas production? [Q:9.4-760] ○ Yes ○ No

What is this facility's estimated annual average Capacity Utilization Rate for this chemical?

Capacity Utilization Rate [Q:9.5-762]

- ○ < 50%
- ○ 50% - 69%
- ○ 70% - 89%
- ○ >= 90%

Explain: "Capacity Utilization Rate" (operating rate) is estimated by dividing the average amount of the chemical produced over the previous two years by the amount that could have been produced if the facility had been operating at full capacity during that period. The rate may be derived from the information your facility may have already provided as part of the U.S. Census Bureau's Annual Plant Capacity Utilization Survey (form MQ-C1, question 2c). The survey and instructions are available at http://www.census.gov/cir/www/mqc1pag2.html. Assumptions that should be used for estimating this rate are available in the related downloadable guidance on the DHS website.

What is this facility's estimated National Emergency Production Rate for this chemical?

Emergency Production Rate [Q:9.5-763]

- ○ < 50%
- ○ 50% - 69%
- ○ 70% - 89%
- ○ >= 90%

Explain: The National Emergency Production Rate is estimated by dividing the average amount of chemical produced over the previous two (2) years by the amount that could have been produced if the plant had been operating under national emergency conditions during that period. The rate may be derived from the information your facility may have already provided as part of the U.S. Census Bureau's Annual Plant Capacity Utilization Survey (form MQ-C1, question 2c). The survey and instructions are available at http://www.census.gov/cir/www/mqc1pag2.html. Assumptions that should be used for estimating this rate are available in the related downloadable guidance on the DHS website. Your rate of production at national emergency levels should be greater than or equal to the rate of full production capacity.

What is the total annual production of this chemical (in pounds/year) from this facility?

Annual Production [Q:9.5-764]

Explain: This information is similar to that which is reported under EPA's Inventory Update Rule (for updating the Toxic Substances Control Act Chemical Inventory Database) for those organic and inorganic substances manufactured or imported in quantities of 25,000 pounds per site per reporting year. Report production only, not imports. If your chemical is not on the TSCA Inventory, provide an estimate of your annual production.

What is the estimated replacement cost of the production unit(s) for this chemical at this facility?

Replacement Cost(s) of Production Units [Q:9.5-765]

- ○ > $1,000,000,000
- ○ $750,000,000 - $1,000,000,000
- ○ $500,000,000 - $749,999,999
- ○ $100,000,000 - $499,999,999
- ○ $50,000,000 - $99,999,999
- ○ $25,000,000 - $49,999,999
- ○ $12,000,000 - $24,999,999
- ○ $6,000,000 - $11,999,999
- ○ < $6,000,000

Explain: Replacement Costs apply to the production unit(s) related to the manufacture of this chemical and any other onsite property likely to be damaged beyond repair that would need to be replaced to restore the original functionality of the unit or equipment to its design productivity levels. The economic value to repair or replace the damaged or destroyed unit(s) and its associated equipment, plus the economic value of any lost products, should be estimated in US dollars. For the purposes of this analysis use the historic (undepreciated) cost of the facility

property plus the undepreciated value of betterments/improvements (excluding maintenance and repair) to the production unit less the amount that is covered by insurance.

Have you listed all chemicals for which the facility accounts for 20% or more of domestic production and are supplied to the aforementioned critical infrastructure sectors?
[Q:9.1-2772]

☐ **Yes**

Go to Economically Critical Chemicals (page 160)

Economically Critical Chemicals

Economically Critical Chemical Production

If you are a manufacturer, what is the total value of products shipped and other receipts from the facility? (In dollars - number without dollar sign or commas)
If you are not a manufacturer, please enter "0".)
[Q:10.0-3092]

▲ The total value will be the same as that provided in the Annual Survey of Manufactures (conducted annually for a sample of manufacturing sectors every year except those ending in "2" and "7") or in the Economic Census (a survey of all manufacturing sectors conducted only in years ending in "2" and "7"). Information and sample forms are available by searching for the survey names at the Census Bureau website http://www.census.gov/index.html. Facilities may provide the response from a recent Census Bureau survey if the information accurately reflects current facility operations.

Does this facility account for 35% or more of the domestic production of any chemical (including Appendix A and non-Appendix A chemicals) and supply the chemical(s) to any sector of the US economy excluding these critical infrastructure sectors: Defense Industrial Base, Energy (electricity generation only), Public Health or Healthcare, and/or Public Drinking Water?
[Q:10.0-771]

○ Yes

○ No

▲ This question should be answered "Yes" if this facility accounts for 35% or more of the domestic production of a chemical and this chemical is not supplied to Defense Industrial Base, Energy (electricity generation only), Public Health or Healthcare, and/or Public Drinking Water.
If answered "No", go to page 167

For each chemical, copy the following pages (162-166) and answer the following fields:

- *"Chemical Name"*
- *"Enter the CAS# (if available)"*
- *"Is there another common name for this chemical?"*
- *"Select the facility's estimated domestic market share of this chemical."*
- *"What is the application(s) of this chemical by this facility's customer(s)?"*
- *"Enter other application(s) of this chemical by this facility's customer(s) that were not listed on the previous page."*
- *"Indicate the primary sector(s) for which this facility produces this chemical."*
- *"Enter other primary sector(s) for which this facility produces this chemical that was not listed on the previous page."*
- *"Exact (or direct) substitute(s) for this chemical produced to meet the supply needs of this facility's customer(s)"*
  - o *Is there North American production?*
  - o *Is there overseas production?*

- *"Functional substitute(s) for this chemical produced to meet the supply needs of this facility's customer(s)"*
  - *Is there North American production?*
  - *Is there overseas production?*
- *"What is this facility's estimated annual average Capacity Utilization Rate for this chemical?"*
- *"What is this facility's estimated National Emergency Production Rate for this chemical?"*
- *"What is the total annual production of this chemical (in pounds/year) from this facility?"*
- *"What is the estimated replacement cost of the production unit(s) for this chemical at this facility?"*

Enter the name of the chemical(s) for which the facility accounts for 35% or more of domestic production excluding chemical(s) produced for the critical infrastructure sectors: Defense Industrial Base, Energy (electricity generation only), Public Health or Healthcare, and/or Public Drinking Water.

For each chemical, enter the appropriate information.

Chemical Name
[Q:10.1-772]

Enter the CAS# (if available).

CAS # [Q:10.2-860]

Is there another common name for this chemical?
[Q:10.2-872]

Enter another common name for this chemical.

▲ This question is optional if you provided a CAS# above.

Select the facility's estimated domestic market share of this chemical.
[Q:10.2-873]

- ○ 35% - 49%
- ○ 50% - 75%
- ○ 76% - 99%
- ○ 100%

What is the application(s) of this chemical by this facility's customer(s)? Check all that apply.
[Q:10.3-793]

- ☐ Adhesive or Sealant
- ☐ Catalyst
- ☐ Coating
- ☐ Cosmetic additive
- ☐ Electronic chemical
- ☐ Fine chemical
- ☐ Flavor or fragrance
- ☐ Food additive
- ☐ Functional fuel or lubricant additive
- ☐ Institutional or industrial cleaner
- ☐ Oilfield chemical

- ☐ Paper additive
- ☐ Plastic additive
- ☐ Plastic compounding
- ☐ Rubber processing chemical
- ☐ Water management chemical
- ☐ Pharmaceutical (active ingredient)
- ☐ Consumer product (e.g., soaps, cosmetics, toiletries)
- ☐ Check for other application(s) not listed. [Q:10.3-911]

Enter other application(s) of this chemical by this facility's customer(s) that were not listed on the previous page.
[Q:10.4-912]

Indicate the primary sector(s) for which this facility produces this chemical. Check all that apply.
[Q:10.5-794]

- ☐ Agriculture and food
- ☐ Energy (except electric generation)
- ☐ National Monuments and Icons
- ☐ Banking and Finance
- ☐ Public Water Treatment Systems (not drinking water systems)
- ☐ Commercial facilities
- ☐ Dams, Locks & Levees
- ☐ Emergency Services
- ☐ Commercial Nuclear Reactors, Materials and Wastes
- ☐ Information Technology
- ☐ Telecommunications
- ☐ Postal and Shipping
- ☐ Transportation Systems
- ☐ Government Facilities
- ☐ Check for other primary sector(s) not listed. [Q:10.5-914]

Enter other primary sector(s) for which this facility produces this chemical that was not listed on the previous page.
[Q:10.6-915]

Exact (or direct) substitute(s) for this chemical produced to meet the supply needs of this facility's customer(s):

Is there North American production? [Q:10.7-815] ○ Yes ○ No

Is there overseas production? [Q:10.7-816] ○ Yes ○ No

Functional substitute(s) for this chemical produced to meet the supply needs of this facility's customer(s):

Is there North American production? [Q:10.7-812] ○ Yes ○ No

Is there overseas production? [Q:10.7-813] ○ Yes ○ No

What is this facility's estimated annual average Capacity Utilization Rate for this chemical?

Capacity Utilization Rate [Q:10.8-818]

- ○ < 50%
- ○ 50% - 69%
- ○ 70% - 89%
- ○ >= 90%

Explain: "Capacity Utilization Rate" (operating rate) is estimated by dividing the average amount of the chemical produced over the previous two years by the amount that could have been produced if the facility had been operating at full capacity during that period. The rate may be derived from the information your facility may have already provided as part of the U.S. Census Bureau's Annual Plant Capacity Utilization Survey (form MQ-C1, question 2c). The survey and instructions are available at http://www.census.gov/cir/www/mqc1pag2.html. Assumptions that should be used for estimating this rate are available in the related downloadable guidance on the DHS website.

What is this facility's estimated National Emergency Production Rate for this chemical?

Emergency Production Rate [Q:10.8-820]

- ○ < 50%
- ○ 50% - 69%
- ○ 70% - 89%
- ○ >= 90%

Explain: The National Emergency Production Rate is estimated by dividing the average amount of chemical produced over the previous two (2) years by the amount that could have been produced if the plant had been operating under national emergency conditions during that period. The rate may be derived from the information your facility may have already provided as part of the U.S. Census Bureau's Annual Plant Capacity Utilization Survey (form MQ-C1, question 2c). The survey and instructions are available at http://www.census.gov/cir/www/mqc1pag2.html. Assumptions that should be used for estimating this rate are available in the related downloadable guidance on the DHS website. Your rate of production at national emergency levels should be greater than or equal to the rate of full production capacity.

What is the total annual production of this chemical (in pounds/year) from this facility?

Annual Production
[Q:10.8-821]

Explain: This information is similar to that which is reported under EPA's Inventory Update Rule (for updating the Toxic Substances Control Act Chemical Inventory Database) for those organic and inorganic substances manufactured or imported in quantities of 25,000 pounds per site per reporting year. Report production only, not imports. If your chemical is not on the TSCA Inventory, provide an estimate of your annual production.

What is the estimated replacement cost of the production unit(s) for this chemical at this facility?

Replacement Cost(s) of Production Units [Q:10.8-822]

- ○ > $1,000,000,000
- ○ $750,000,000 - $1,000,000,000
- ○ $500,000,000 - $749,999,999
- ○ $100,000,000 - $499,999,999
- ○ $50,000,000 - $99,999,999
- ○ $25,000,000 - $49,999,999
- ○ $12,000,000 - $24,999,999
- ○ $6,000,000 - $11,999,999
- ○ < $6,000,000

Explain: Replacement Costs apply to the production unit(s) related to the manufacture of this chemical and any other onsite property likely to be damaged beyond repair that would need to be replaced to restore the original functionality of the unit or equipment to its design productivity levels. The economic value to repair or replace the damaged or destroyed unit(s) and its associated equipment, plus the economic value of any lost products, should be estimated in US dollars. For the purposes of this analysis use the historic (undepreciated) cost of the facility

property plus the undepreciated value of betterments/improvements (excluding maintenance and repair) to the production unit less the amount that is covered by insurance.

Have you listed all chemicals for which the facility accounts for 35% or more of domestic

[Q:10.1-2774]

☐ **Yes**

Finish

DHS Communications

A letter with the preliminary tiering will be sent to the Submitter.

Preparer Copy

Do you want a copy of the letter with the preliminary tiering to be sent to the Preparer in

[Q:15.3-931]

Yes

No

My statements in this submission are true, complete, and correct to the best of my knowledge and belief and are made in good faith. I understand that a knowing and willful false statement on this form can be punished by fine or imprisonment or both. (See section 1001 of title 18, United States Code).