CSAT Security Vulnerability Assessment

Questions

Homeland Security

Paperwork Burden Notice:

The public reporting burden for this form is estimated to be 250 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/Chemical Security Compliance Division, Attention: Matthew Bettridge, 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).

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Submission Statement:

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Enter the facility identification number from the DHS Preliminary Tier Determination Letter.

[Q:1.0-3311]

Enter the facility name as shown in the DHS Preliminary Tier Determination Letter.

[Q:1.0-3312]

Is the facility located on a navigable waterway?

[Q:1.0-3313]

- (•) Yes
- ( ) No

▲ A navigable waterway is defined as waterway along any portion of the facility perimeter that can accommodate small to large watercraft.

Does the DHS Preliminary Tier Determination letter indicate that the facility is a Tier 4 facility?

[Q:1.0-3314]

- (•) Yes
- ( ) No

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Do you want to load an alternate security plan (ASP) SVA document?

[Q:1.01-3315]

- ○ Yes
- ◉ No

Are all facility assets associated with the issues and chemicals of concern specified in the Department of Homeland Security SVA notification letter covered by the ASP?Are all of the required threat scenarios (???) covered by the alternative SVA?

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ASP Documents

Upload alternate security plan (ASP) SVA document.

Are all facility assets associated with the issues and chemicals of concern specified in the Department of Homeland Security SVA notification letter covered by the ASP?

[Q:1.1-3316]

- (•) Yes
- ( ) No

Are all of the required threat scenarios (???) covered by the alternative SVA?

[Q:1.1-3317]

- (•) Yes
- ( ) No

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ASP Documents

Enter the name of the SVA methodology.

[Q:1.13-3320]

What is the date of the alternative SVA?

[Q:1.13-3331]

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ASP Documents

Upload ASP files.

Press [Next] to upload plot plans with assets labeled.

Browse to locate ASP files for uploading.

ASP Files

[Q:1.14-3332]

Browse... Add

Have all the SVA files been uploaded?

[Q:1.14-3372]

- (•) Yes
- ( ) No

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Plot Plans

Are the locations of critical assets marked on the map?

[Q:1.2-3351]

- (•) Yes
- ( ) No

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Plot Plans

Map without Labels

Provide instructions for identifying assets on uploaded maps.

Press [Next] to continue.

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Plot Plans

Browse to locate a file describing the Asset Map labels.

Map Labels file

[Q:1.21-3353]

Browse...

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Plot Plans

Names of Maps

Enter names for the maps of the facility site.

Map Name to Upload

[Q:1.3-3354]

Map Name | Delete | Provide Map Name Detail Information

Add

Have you completed uploads of maps?

[Q:1.3-3355]

- (•) Yes
- ( ) No

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Map File Upload: Map Name

Browse to locate file for loading.

Browse...

Map Image Details

Enter the image width and image height in miles.

Enter the latitude and longitude of the bottom right corner of the image in decimal degrees (XX.XXXXXX). Longitude should begin with a negative sign with no space before the coordinates (-XX.XXXXXX).

Image width (miles): [Q:1.31-3356]

Image height (miles): [Q:1.31-3357]

Image latitude (bottom right corner): [Q:1.31-3358]

Image longitude (bottom right corner): [Q:1.31-3359]

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ASP Submission

Thank you for submitting an ASP for consideration by DHS. DHS will review your ASP submission and subsequently inform you of its acceptance or rejection.

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Please use the DHS Preliminary Tier Determination Letter to answer the following questions.

Does the DHS Preliminary Tier Determination Letter indicate that the facility should address security issues related to release toxic chemicals of interest?

[Q:2.0-971]

- (•) Yes
- ( ) No

Does the DHS Preliminary Tier Determination Letter indicate that the facility should address security issues related to release flammable chemicals of interest?

[Q:2.0-3131]

- (•) Yes
- ( ) No

Does the DHS Preliminary Tier Determination Letter indicate that the facility should address security issues related to release explosive chemicals of interest?

[Q:2.0-3132]

- (•) Yes
- ( ) No

Does the DHS Preliminary Tier Determination Letter indicate that the facility should address security issues related to theft/diversion of Chemical Weapon/Chemical Weapon Precursor (CW/CWP) chemicals of interest?

[Q:2.0-3151]

- (•) Yes
- ( ) No

Does the DHS Preliminary Tier Determination Letter indicate that the facility should address security issues related to theft/diversion of Weapon of Mass Effect (WME) chemicals of interest?

[Q:2.0-3171]

- (•) Yes
- ( ) No

Does the DHS Preliminary Tier Determination Letter indicate that the facility should address security issues related to theft/diversion of Explosive/Improvised Explosive Device Precursor (IEDP) chemicals of interest?

[Q:2.0-3172]

- (•) Yes
- ( ) No

Does the DHS Preliminary Tier Determination Letter indicate that the facility should address security issues related to sabotage/contamination chemicals of interest?

[Q:2.0-3173]

- (•) Yes
- ( ) No

Did the DHS Preliminary Tier Determination Letter indicate that the facility should address security issues related to mission critical impacts?

[Q:2.0-3174]

- (•) Yes
- ( ) No

Did the DHS Preliminary Tier Determination Letter indicate that the facility should address security issues related to economically critical impacts?

[Q:2.0-3175]

- (•) Yes
- ( ) No

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Facility Surrounding Topography

What is the surrounding topography of the facility.

[Q:2.09-5911]

- ○ Urban
- ○ Rural

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Release Toxic Chemicals of Interest

Select the release toxic chemicals of interest that are listed in the DHS Preliminary Tier Determination Letter.

The default settings on this list indicate that the chemical of interest is NOT listed in the letter. You must select "Yes" if the chemical is listed in the letter.

Chemical Name	CAS#	Min. Conc.	Was the chemical listed in the letter? [Q:2.1-1037]
Acrolein [2-Propenal or Acrylaldehyde]	107-02-8	1.00%	Yes
Allyl alcohol [2-Propen-1-ol]	107-18-6	1.00%	Yes
Ammonia (anhydrous)	7664-41-7	1.00%	No
Ammonia (conc. 20% or greater)	7664-41-7	20.00%	No
Arsenic trichloride [Arsenous trichloride]	7784-34-1	1.00%	No
Arsine	7784-42-1	1.00%	No
Boron trichloride [Borane, trichloro]	10294-34-5	1.00%	No
Boron trifluoride [Borane, trifluoro]	7637-07-2	1.00%	No
Boron trifluoride compound with methyl ether (1:1) [Boron, trifluoro [oxybis (methane)]-,T-4-]	353-42-4	1.00%	No
Bromine	7726-95-6	1.00%	No
Carbon disulfide	75-15-0	1.00%	No
Chlorine	7782-50-5	1.00%	No
Chlorine dioxide [Chlorine oxide, (ClO_2)]	10049-04-4	1.00%	No
Chloroform [Methane, trichloro-]	67-66-3	1.00%	No
Chloromethyl ether [Methane, oxybis(chloro-)]	542-88-1	1.00%	No
Chloromethyl methyl ether [Methane, chloromethoxy-]	107-30-2	1.00%	No
Cyanogen chloride	506-77-4	1.00%	No
Cyclohexylamine [Cyclohexanamine]	108-91-8	1.00%	No
Diborane	19287-45-7	1.00%	No
Epichlorohydrin [Oxirane, (chloromethyl)-]	106-89-8	1.00%	No
Ethylenediamine [1,2-Ethanediamine]	107-15-3	1.00%	No
Fluorine	7782-41-4	1.00%	No
Formaldehyde (solution)	50-00-0	1.00%	No
Hydrochloric acid (conc. 37% or greater)	7647-01-0	37.00%	No
Hydrocyanic acid	74-90-8	1.00%	No
Hydrofluoric acid (conc. 50% or greater)	7664-39-3	50.00%	No
Hydrogen chloride (anhydrous)	7647-01-0	1.00%	No
Hydrogen fluoride (anhydrous)	7664-39-3	1.00%	No
Hydrogen sulfide	7783-06-4	1.00%	No
Isobutyronitrile [Propanenitrile, 2-methyl-]	78-82-0	1.00%	No
Isopropyl chloroformate [Carbonochloridic acid, 1-methylethyl ester]	108-23-6	1.00%	No
Methacrylonitrile [2-Propenenitrile, 2-methyl-]	126-98-7	1.00%	No
Methyl hydrazine [Hydrazine, methyl-]	60-34-4	1.00%	No
Methyl isocyanate [Methane, isocyanato-]	624-83-9	1.00%	No
Methyl thiocyanate [Thiocyanic acid, methyl ester]	556-64-9	1.00%	No
Nitric acid	7697-37-2	80.00%	No
Nitric oxide [Nitrogen oxide (NO)]	10102-43-9	1.00%	No
Oleum (Fuming Sulfuric acid) [Sulfuric acid, mixture with sulfur trioxide]	8014-95-7	1.00%	No
Perchloromethylmercaptan [Methanesulfenyl chloride, trichloro-]	594-42-3	1.00%	No
Phosgene [Carbonic dichloride] or [carbonyl dichloride]	75-44-5	1.00%	No
Phosphorus oxychloride [Phosphoryl chloride]	10025-87-3	1.00%	No
Phosphorus trichloride	7719-12-2	1.00%	No
Propionitrile [Propanenitrile]	107-12-0	1.00%	No
Propyleneimine [Aziridine, 2-methyl-]	75-55-8	1.00%	No
Sulfur dioxide (anhydrous)	7446-09-5	1.00%	No
Sulfur tetrafluoride [Sulfur fluoride (SF_4), (T-4)-]	7783-60-0	1.00%	No
Sulfur trioxide	7446-11-9	1.00%	No
Tetramethyllead [Plumbane, tetramethyl-]	75-74-1	1.00%	Yes
Titanium tetrachloride [Titanium chloride ($TiCl_4$) (T-4)-]	7550-45-0	1.00%	Yes

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Facility Security Issues

Release Flammable Chemicals of Interest

Select the release flammable chemicals of interest that are listed in the DHS Preliminary Tier Determination Letter.

Select the release flammable chemicals of interest that are present at the facility.

The default settings on this list indicate that the chemical of interest is NOT listed in the letter or present at the facility. You must select "Yes" if the chemical is listed in the letter or present at the facility.

Chemical Name	CAS#	Min. Conc.	Was the chemical listed in the letter?	Is the chemical present at the facility?
[Q.2.2.1038]			[Q.2.2.657.4]	
Acetaldehyde	75-07-0	1.00%	Yes / No	Yes / No
Acetylene [Ethyne]	74-86-2	1.00%	Yes / No	Yes / No
Acrylonitrile [2-Propenenitrile]	107-13-1	1.00%	Yes / No	Yes / No
Acrylyl chloride [2-Propenoyl chloride]	814-68-6	1.00%	Yes / No	Yes / No
Allylamine [2-Propen-1-amine]	107-11-9	1.00%	Yes / No	Yes / No
Bromotrifluoroethylene [Ethene, bromotrifluoro-]	598-73-2	1.00%	Yes / No	Yes / No
1,3-Butadiene	106-99-0	1.00%	Yes / No	Yes / No
Butane	106-97-8	1.00%	Yes / No	Yes / No
Butene	25167-67-3	1.00%	Yes / No	Yes / No
1-Butene	106-98-9	1.00%	Yes / No	Yes / No
2-Butene	107-01-7	1.00%	Yes / No	Yes / No
2-Butene-cis	590-18-1	1.00%	Yes / No	Yes / No
2-Butene-trans [2-Butene, (E)]	624-64-6	1.00%	Yes / No	Yes / No
Carbon oxysulfide [Carbon oxide sulfide (COS); carbonyl sulfide]	463-58-1	1.00%	Yes / No	Yes / No
Chlorine monoxide [Chlorine oxide]	7791-21-1	1.00%	Yes / No	Yes / No
1-Chloropropylene [1-Propene, 1-chloro-]	590-21-6	1.00%	Yes / No	Yes / No
2-Chloropropylene [1-Propene, 2-chloro-]	557-98-2	1.00%	Yes / No	Yes / No
Crotonaldehyde [2-Butenal]	4170-30-3	1.00%	Yes / No	Yes / No
Crotonaldehyde, (E)- [2-Butenal, (E)-]	123-73-9	1.00%	Yes / No	Yes / No
Cyanogen [Ethanedinitrile]	460-19-5	1.00%	Yes / No	Yes / No
Cyclopropane	75-19-4	1.00%	Yes / No	Yes / No
Dichlorosilane [Silane, dichloro-]	4109-96-0	1.00%	Yes / No	Yes / No
Difluoroethane [Ethane, 1,1-difluoro-]	75-37-6	1.00%	Yes / No	Yes / No
Dimethylamine [Methanamine, N-methyl-]	124-40-3	1.00%	Yes / No	Yes / No
Dimethyldichlorosilane [Silane, dichlorodimethyl-]	75-78-5	1.00%	Yes / No	Yes / No
1,1-Dimethylhydrazine [Hydrazine, 1,1-dimethyl-]	57-14-7	1.00%	Yes / No	Yes / No
2,2-Dimethylpropane [Propane, 2,2-dimethyl-]	463-82-1	1.00%	Yes / No	Yes / No
Ethane	74-84-0	1.00%	Yes / No	Yes / No
Ethyl acetylene [1-Butyne]	107-00-6	1.00%	Yes / No	Yes / No
Dimethyldichlorosilane [Silane, dichlorodimethyl-]	75-78-5	1.00%	Yes / No	Yes / No
1,1-Dimethylhydrazine [Hydrazine, 1,1-dimethyl-]	57-14-7	1.00%	Yes / No	Yes / No
2,2-Dimethylpropane [Propane, 2,2-dimethyl-]	463-82-1	1.00%	Yes / No	Yes / No
Ethane	74-84-0	1.00%	Yes / No	Yes / No
Ethyl acetylene [1-Butyne]	107-00-6	1.00%	Yes / No	Yes / No
Ethyl chloride [Ethane, chloro-]	75-00-3	1.00%	Yes / No	Yes / No
Ethyl ether [Ethane, 1,1'-oxybis-]	60-29-7	1.00%	Yes / No	Yes / No
Ethyl mercaptan [Ethanethiol]	75-08-1	1.00%	Yes / No	Yes / No
Ethyl nitrite [Nitrous acid, ethyl ester]	109-95-5	1.00%	Yes / No	Yes / No
Ethylamine [Ethanamine]	75-04-7	1.00%	Yes / No	Yes / No
Ethylene [Ethene]	74-85-1	1.00%	Yes / No	Yes / No
Ethylene oxide [Oxirane]	75-21-8	1.00%	Yes / No	Yes / No
Ethyleneimine [Aziridine]	151-56-4	1.00%	Yes / No	Yes / No
Furan	110-00-9	1.00%	Yes / No	Yes / No
Hydrazine	302-01-2	1.00%	Yes / No	Yes / No
Hydrogen	1333-74-0	1.00%	Yes / No	Yes / No
Hydrogen selenide	7783-07-5	1.00%	Yes / No	Yes / No
Iron, pentacarbonyl- [Iron carbonyl ($Fe(CO)_5$), (TB5-11)-]	13463-40-6	1.00%	Yes / No	Yes / No
Isobutane [Propane, 2-methyl]	75-28-5	1.00%	Yes / No	Yes / No
Isopentane [Butane, 2-methyl-]	78-78-4	1.00%	Yes / No	Yes / No
Isoprene [1,3-Butadiene, 2-methyl-]	78-79-5	1.00%	Yes / No	Yes / No
Isopropyl chloride [Propane, 2-chloro-]	75-29-6	1.00%	Yes / No	Yes / No
Isopropylamine [2-Propanamine]	75-31-0	1.00%	Yes / No	Yes / No
Methane	74-82-8	1.00%	Yes / No	Yes / No
2-Methyl-1-butene	563-46-2	1.00%	Yes / No	Yes / No
3-Methyl-1-butene	563-45-1	1.00%	Yes / No	Yes / No
Methyl chloride [Methane, chloro-]	74-87-3	1.00%	Yes / No	Yes / No
Methyl chloroformate [Carbonochloridic acid, methyl ester]	79-22-1	1.00%	Yes / No	Yes / No
Methyl ether [Methane, oxybis-]	115-10-6	1.00%	Yes / No	Yes / No
Methyl formate [Formic acid Methyl ester]	107-31-3	1.00%	Yes / No	Yes / No
Methyl mercaptan [Methanethiol]	74-93-1	1.00%	Yes / No	Yes / No
Methylamine [Methanamine]	74-89-5	1.00%	Yes / No	Yes / No
2-Methylpropene [1-Propene, 2-methyl-]	115-11-7	1.00%	Yes / No	Yes / No
Methyltrichlorosilane [Silane, trichloromethyl-]	75-79-6	1.00%	Yes / No	Yes / No
Nickel Carbonyl	13463-39-3	1.00%	Yes / No	Yes / No
1,3-Pentadiene	504-60-9	1.00%	Yes / No	Yes / No
Pentane	109-66-0	1.00%	Yes / No	Yes / No
1-Pentene	109-67-1	1.00%	Yes / No	Yes / No
2-Pentene, (E)-	646-04-8	1.00%	Yes / No	Yes / No
2-Pentene, (Z)-	627-20-3	1.00%	Yes / No	Yes / No
Peracetic acid [Ethaneperoxoic acid]	79-21-0	1.00%	Yes / No	Yes / No
Phosphine	7803-51-2	1.00%	Yes / No	Yes / No
Piperidine	110-89-4	1.00%	Yes / No	Yes / No
Propadiene [1,2-Propadiene]	463-49-0	1.00%	Yes / No	Yes / No
Propane	74-98-6	1.00%	Yes / No	Yes / No
Propyl chloroformate [Carbonochloridic acid, propylester]	109-61-5	1.00%	Yes / No	Yes / No
Propylene [1-Propene]	115-07-1	1.00%	Yes / No	Yes / No
Propylene oxide [Oxirane, methyl-]	75-56-9	1.00%	Yes / No	Yes / No
Propyne [1-Propyne]	74-99-7	1.00%	Yes / No	Yes / No
Silane	7803-62-5	1.00%	Yes / No	Yes / No
Tetrafluoroethylene [Ethene, tetrafluoro-]	116-14-3	1.00%	Yes / No	Yes / No
Tetramethylsilane [Silane, tetramethyl-]	75-76-3	1.00%	Yes / No	Yes / No
Tetranitromethane [Methane, tetranitro-]	509-14-8	1.00%	Yes / No	Yes / No
Trichlorosilane [Silane, trichloro-]	10025-78-2	1.00%	Yes / No	Yes / No
Trifluorochloroethylene [Ethene, chlorotrifluoro]	79-38-9	1.00%	Yes / No	Yes / No
Trimethylamine [Methanamine, N,N-dimethyl-]	75-50-3	1.00%	Yes / No	Yes / No
Trimethylchlorosilane [Silane, chlorotrimethyl-]	75-77-4	1.00%	Yes / No	Yes / No
Vinyl acetate monomer [Acetic acid ethenyl ester]	108-05-4	1.00%	Yes / No	Yes / No
Vinyl acetylene [1-Buten-3-yne]	689-97-4	1.00%	Yes / No	Yes / No
Vinyl chloride [Ethene, chloro-]	75-01-4	1.00%	Yes / No	Yes / No
Vinyl ethyl ether [Ethene, ethoxy-]	109-92-2	1.00%	Yes / No	Yes / No
Vinyl fluoride [Ethene, fluoro-]	75-02-5	1.00%	Yes / No	Yes / No
Vinyl methyl ether [Ethene, methoxy-]	107-25-5	1.00%	Yes / No	Yes / No
Vinylidene chloride [Ethene, 1,1-dichloro-]	75-35-4	1.00%	Yes / No	Yes / No
Vinylidene fluoride [Ethene, 1,1-difluoro-]	75-38-7	1.00%	Yes / No	Yes / No

Fuels

Fuels: Bunker fuel	Yes / No	Yes / No	
Fuels: Diesel	Yes / No	Yes / No	
Fuels: Gasoline	Yes / No	Yes / No	
Fuels: Home heating oil	Yes / No	Yes / No	
Fuels: JP A (jet fuel)	Yes / No	Yes / No	
Fuels: JP 5 (jet fuel)	Yes / No	Yes / No	
Fuels: JP 8 (jet fuel)	Yes / No	Yes / No	
Fuels: Kerosene	Yes / No	Yes / No	
Fuels: LPG	Yes / No	Yes / No	

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Release Explosive Chemicals of Interest

Select the release explosive chemicals of interest that are listed in the DHS Preliminary Tier Determination Letter.

Select the release explosive chemicals of interest that are present at the facility.

The default settings on this list indicate that the chemical of interest is NOT listed in the letter or present at the facility. You must select "Yes" if the chemical is listed in the letter or present at the facility.

Chemical Name	CAS#	Min. Conc.	Was the chemical listed in the letter? [Q:2.3-5573]	Is the chemical present at the facility?
[Q:2.3-1039]				
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	Yes	Yes
Ammonium perchlorate	7790-98-9	ACG	Yes	Yes
Ammonium picrate	131-74-8	ACG	No	No
Barium azide	18810-58-7	ACG	No	No
Diazodinitrophenol	87-31-0	ACG	No	No
Diethyleneglycol dinitrate	693-21-0	ACG	No	No
Dingu [Dinitroglycoluril]	55510-04-8	ACG	No	No
Dinitrophenol	25550-58-7	ACG	No	No
Dinitroresorcinol	519-44-8	ACG	No	No
Dipicryl sulfide	2217-06-3	ACG	No	No
Dipicrylamine [or] Hexyl [Hexanitrodiphenylamine]	131-73-7	ACG	No	No
Guanyl nitrosaminoguanylidene hydrazine		ACG	No	No
Hexanitrostilbene	20062-22-0	ACG	No	No
Hexolite [Hexotol]	121-82-4	ACG	No	No
HMX [Cyclotetramethylene-tetranitramine]	2691-41-0	ACG	No	No
Lead azide	13424-46-9	ACG	No	No
Lead styphnate [Lead trinitroresorcinate]	15245-44-0	ACG	No	No
Mercury fulminate	628-86-4	ACG	No	No
5-Nitrobenzotriazol	2338-12-7	ACG	No	No
Nitrocellulose	9004-70-0	ACG	No	No
Nitroglycerine	55-63-0	ACG	No	No
Nitromannite [Mannitol hexanitrate, wetted]	15825-70-4	ACG	No	No
Nitrostarch	9056-38-6	ACG	No	No
Nitrotriazolone	932-64-9	ACG	No	No
Octolite	57607-37-1	ACG	No	No
Octonal	78413-87-3	ACG	No	No
Pentolite	8066-33-9	ACG	No	No
PETN [Pentaerythritol tetranitrate]	78-11-5	ACG	No	No
Picrite [Nitroguanidine]	556-88-7	ACG	No	No
RDX [Cyclotrimethylenetrinitramine]	121-82-4	ACG	No	No
RDX and HMX mixtures	121-82-4	ACG	No	No
Tetranitroaniline	53014-37-2	ACG	No	No
Tetrazene [Guanyl nitrosaminoguanyltetrazene]	109-27-3	ACG	No	No
1H-Tetrazole	288-94-8	ACG	No	No
TNT [Trinitrotoluene]	118-96-7	ACG	No	No
Torpex [Hexotonal]	67713-16-0	ACG	No	No
Trinitroaniline	26952-42-1	ACG	No	No
Trinitroanisole	606-35-9	ACG	No	No
Trinitrobenzene	99-35-4	ACG	No	No
Trinitrobenzenesulfonic acid	2508-19-2	ACG	No	No
Trinitrobenzoic acid	129-66-8	ACG	No	No
Trinitrochlorobenzene	88-88-0	ACG	No	No
Trinitrofluorenone	129-79-3	ACG	No	No
Trinitro-meta-cresol	602-99-3	ACG	No	No
Trinitronaphthalene	55810-17-8	ACG	No	No
Trinitrophenetole	4732-14-3	ACG	No	No
Trinitrophenol	88-89-1	ACG	No	No
Trinitroresorcinol	82-71-3	ACG	Yes	Yes
Tritonal	54413-15-9	ACG	Yes	Yes

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

Select the theft/diversion CW/CWP chemicals of interest that are listed in the DHS Preliminary Tier Determination Letter.

The default settings on this list indicate that the chemical of interest is NOT listed in the letter. You must select "Yes" if the chemical is listed in the letter.

Chemical Name	CAS#	Min. Conc.	Was the chemical listed in the letter? [Q:2.4-1041]
Arsenic trichloride [Arsenous trichloride]	7784-34-1	30.00%	Yes
1,4-Bis(2-chloroethylthio)-n-butane	142868-93-7		Yes
Bis(2-chloroethylthio)methane	63869-13-6		No
Bis(2-chloroethylthiomethyl)ether	63918-90-1		No
1,5-Bis(2-chloroethylthio)-n-pentane	142868-94-8		No
1,3-Bis(2-chloroethylthio)-n-propane	63905-10-2		No
2-Chloroethylchloro-methylsulfide	2625-76-5		No
Chlorosarin [o-Isopropyl methylphosphonochloridate]	1445-76-7		No
Chlorosoman [o-Pinacolyl methylphosphonochloridate]	7040-57-5		No
DF [Methyl phosphonyl difluoride]	676-99-3		No
N,N-(2-diethylamino)ethanethiol	100-38-9	30.00%	No
o,o-Diethyl S-[2-(diethylamino)ethyl] phosphorothiolate	78-53-5	30.00%	No
Diethyl methylphosphonite	15715-41-0	30.00%	Yes
N,N-Diethyl phosphoramidic dichloride	1498-54-0	30.00%	No
N,N-(2-diisopropylamino)ethanethiol [N,N-diisopropyl-β-aminoethane thiol]	5842-07-9	30.00%	No
N,N-Diisopropyl phosphoramidic dichloride	23306-80-1	30.00%	No
N,N-(2-dimethylamino)ethanethiol	108-02-1	30.00%	No
N,N-Dimethyl phosphoramidic dichloride [Dimethylphosphoramido-dichloridate]	677-43-0	30.00%	No
N,N-(2-dipropylamino)ethanethiol	5842-06-8	30.00%	No
N,N-Dipropyl phosphoramidic dichloride	40881-98-9	30.00%	No
Ethyl phosphonyl difluoride	753-98-0		No
Ethyldiethanolamine	139-87-7	80.00%	No
Ethylphosphonothioic dichloride	993-43-1	30.00%	No
HN1 (Nitrogen Mustard-1) [Bis(2-chloroethyl)ethylamine]	538-07-8		No
HN2 (Nitrogen Mustard-2) [Bis(2-chloroethyl)methylamine]	51-75-2		No
HN3 (Nitrogen Mustard-3) [Tris(2-chloroethyl)amine]	555-77-1		No
Isopropylphosphonothioic dichloride	1498-60-8	30.00%	No
Isopropylphosphonyl difluoride	677-42-9		No
Lewisite 1 [2-chlorovinyldichloroarsine]	541-25-3		No
Lewisite 2 [Bis(2-chlorovinyl)chloroarsine]	40334-69-8		No
Lewisite 3 [Tris(2-chlorovinyl)arsine]	40334-70-1		No
MDEA [Methyldiethanolamine]	105-59-9	80.00%	No
Methylphosphonothioic dichloride	676-98-2	30.00%	No
O-Mustard (T) [Bis(2-chloroethylthioethyl)ether]	63918-89-8		No
Nitrogen mustard hydrochloride [Bis(2-chloroethyl)methylamine hydrochloride]	55-86-7	30.00%	No
Phosphorus oxychloride [Phosphoryl chloride]	10025-87-3	80.00%	No
Propylphosphonothioic dichloride	2524-01-8	30.00%	No
Propylphosphonyl difluoride	690-14-2		No
QL [o-Ethyl-o-2-diisopropylaminoethyl methylphosphonite]	57856-11-8		No
Sarin [o-Isopropyl methylphosphonofluoridate]	107-44-8		No
Sesquimustard [1,2-Bis(2-chloroethylthio)ethane]	3563-36-8		No
Soman [o-Pinacolyl methylphosphonofluoridate]	96-64-0		No
Sulfur Mustard (Mustard gas (H)) [Bis(2-chloroethyl)sulfide]	505-60-2		No
Tabun [o-Ethyl-N,N-dimethylphosphoramido-cyanidate]	77-81-6		No
Thiodiglycol [Bis(2-hydroxyethyl)sulfide]	111-48-8	30.00%	No
Triethanolamine	102-71-6	80.00%	No
Triethanolamine hydrochloride	637-39-8	80.00%	Yes
Triethyl phosphite	122-52-1	80.00%	No
Trimethyl phosphite	121-45-9	80.00%	No
VX [o-Ethyl-S-2-diisopropylaminoethyl methyl phosphonothiolate]	50782-69-9		Yes

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Theft/Diversion Weapon of Mass Effect (WME) Chemicals oif Interest

Select the theft/diversion WME chemicals of interest that are listed in the DHS Preliminary Tier Determination Letter.

The default settings on this list indicate that the chemical of interest is NOT listed in the letter. You must select "Yes" if the chemical is listed in the letter.

Chemical Name	CAS#	Min. Conc.	Was the chemical listed in the letter? [Q:2.5-1042]
Arsine	7784-42-1	0.67%	Yes / No
Boron tribromide	10294-33-4	12.67%	Yes / No
Boron trichloride [Borane, trichloro]	10294-34-5	84.70%	Yes / No
Boron trifluoride [Borane, trifluoro]	7637-07-2	26.87%	No / Yes
Bromine chloride	13863-41-7	9.67%	No / Yes
Bromine trifluoride	7787-71-5	6.00%	No / Yes
Carbonyl fluoride	353-50-4	12.00%	No / Yes
Carbonyl sulfide	463-58-1	56.67%	No / Yes
Chlorine	7782-50-5	9.77%	No / Yes
Chlorine pentafluoride	13637-63-3	4.07%	No / Yes
Chlorine trifluoride	7790-91-2	9.97%	No / Yes
Cyanogen [Ethanedinitrile]	460-19-5	11.67%	No / Yes
Cyanogen chloride	506-77-4	2.67%	No / Yes
Diborane	19287-45-7	2.67%	No / Yes
Dichlorosilane [Silane, dichloro-]	4109-96-0	10.47%	No / Yes
Dinitrogen tetroxide	10544-72-6	3.80%	No / Yes
Fluorine	7782-41-4	6.17%	No / Yes
Germane	7782-65-2	20.73%	No / Yes
Germanium tetrafluoride	7783-58-6	2.11%	No / Yes
Hexaethyl tetraphosphate and compressed gas mixtures	757-58-4	33.37%	No / Yes
Hexafluoroacetone	684-16-2	15.67%	No / Yes
Hydrogen bromide (anhydrous)	10035-10-6	95.33%	No / Yes
Hydrogen chloride (anhydrous)	7647-01-0	ACG	No / Yes
Hydrogen cyanide [Hydrocyanic acid]	74-90-8	4.67%	No / Yes
Hydrogen fluoride (anhydrous)	7664-39-3	42.53%	No / Yes
Hydrogen iodide, anhydrous	10034-85-2	95.33%	No / Yes
Hydrogen selenide	7783-07-5	0.07%	No / Yes
Hydrogen sulfide	7783-06-4	23.73%	No / Yes
Methyl mercaptan [Methanethiol]	74-93-1	45.00%	No / Yes
Methylchlorosilane	993-00-0	20.00%	No / Yes
Nitric oxide [Nitrogen oxide (NO)]	10102-43-9	3.83%	No / Yes
Nitrogen trioxide	10544-73-7	3.83%	No / Yes
Nitrosyl chloride	2696-92-6	1.17%	No / Yes
Oxygen difluoride	7783-41-7	0.09%	No / Yes
Perchloryl fluoride	7616-94-6	25.67%	No / Yes
Phosgene [Carbonic dichloride] or [carbonyl dichloride]	75-44-5	0.17%	No / Yes
Phosphine	7803-51-2	0.67%	No / Yes
Phosphorus trichloride	7719-12-2	3.48%	No / Yes
Selenium hexafluoride	7783-79-1	1.67%	No / Yes
Silicon tetrafluoride	7783-61-1	15.00%	No / Yes
Stibine	7803-52-3	0.67%	No / Yes
Sulfur dioxide (anhydrous)	7446-09-5	84.00%	No / Yes
Sulfur tetrafluoride [Sulfur fluoride (SF_4), (T-4)-]	7783-60-0	1.33%	No / Yes
Tellurium hexafluoride	7783-80-4	0.83%	No / Yes
Titanium tetrachloride [Titanium chloride ($TiCl_4$) (T-4)-]	7550-45-0	13.33%	No / Yes
Trifluoroacetyl chloride	354-32-5	6.93%	No / Yes
Trifluorochloroethylene [Ethene, chlorotrifluoro]	79-38-9	66.67%	Yes / No
Tungsten hexafluoride	7783-82-6	7.10%	Yes / No

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

Select the theft/diversion EXP/IEDP chemicals of interest that are listed in the DHS Preliminary Tier Determination Letter.

The default settings on this list indicate that the chemical of interest is NOT listed in the letter. You must select "Yes" if the chemical is listed in the letter.

Chemical Name	CAS#	Min. Conc.	Was the chemical listed in the letter?
			[Q:2.6-1043]
Aluminum (powder)	7429-90-5	ACG	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	Yes / No
Ammonium nitrate, solid [nitrogen concentration of 23% nitrogen or greater]	6484-52-2	33.00%	Yes / No
Ammonium perchlorate	7790-98-9	ACG	Yes / No
Ammonium picrate	131-74-8	ACG	Yes / No
Barium azide	18810-58-7	ACG	Yes / No
Diazodinitrophenol	87-31-0	ACG	Yes / No
Diethyleneglycol dinitrate	693-21-0	ACG	Yes / No
Dingu [Dinitroglycoluril]	55510-04-8	ACG	Yes / No
Dinitrophenol	25550-58-7	ACG	Yes / No
Dinitroresorcinol	519-44-8	ACG	Yes / No
Dipicryl sulfide	2217-06-3	ACG	Yes / No
Dipicrylamine [or] Hexyl [Hexanitrodiphenylamine]	131-73-7	ACG	Yes / No
Guanyl nitrosaminoguanylidene hydrazine		ACG	Yes / No
Hexanitrostilbene	20062-22-0	ACG	Yes / No
Hexolite [Hexotol]	121-82-4	ACG	Yes / No
HMX [Cyclotetramethylene-tetranitramine]	2691-41-0	ACG	Yes / No
Hydrogen peroxide (concentration of at least 35%)	7722-84-1	35.00%	Yes / No
Lead azide	13424-46-9	ACG	Yes / No
Lead styphnate [Lead trinitroresorcinate]	15245-44-0	ACG	Yes / No
Magnesium (powder)	7439-95-4	ACG	Yes / No
Mercury fulminate	628-86-4	ACG	Yes / No
Nitric acid	7697-37-2	68.00%	Yes / No
Nitrobenzene	98-95-3	ACG	Yes / No
5-Nitrobenzotriazol	2338-12-7	ACG	Yes / No
Nitrocellulose	9004-70-0	ACG	Yes / No
Nitroglycerine	55-63-0	ACG	Yes / No
Nitromannite [Mannitol hexanitrate, wetted]	15825-70-4	ACG	Yes / No
Nitromethane	75-52-5	ACG	Yes / No
Nitrostarch	9056-38-6	ACG	Yes / No
Nitrotriazolone	932-64-9	ACG	Yes / No
Octolite	57607-37-1	ACG	Yes / No
Octonal	78413-87-3	ACG	Yes / No
Pentolite	8066-33-9	ACG	Yes / No
PETN [Pentaerythritol tetranitrate]	78-11-5	ACG	Yes / No
Phosphorus	7723-14-0	ACG	Yes / No
Picrite [Nitroguanidine]	556-88-7	ACG	Yes / No
Potassium chlorate	3811-04-9	ACG	Yes / No
Potassium nitrate	7757-79-1	ACG	Yes / No
Potassium perchlorate	7778-74-7	ACG	Yes / No
Potassium permanganate	7722-64-7	ACG	Yes / No
RDX [Cyclotrimethylenetrinitramine]	121-82-4	ACG	Yes / No
RDX and HMX mixtures	121-82-4	ACG	Yes / No
Sodium azide	26628-22-8	ACG	Yes / No
Sodium chlorate	7775-09-9	ACG	Yes / No
Sodium nitrate	7631-99-4	ACG	Yes / No
Tetranitroaniline	53014-37-2	ACG	Yes / No
Tetrazene [Guanyl nitrosaminoguanyltetrazene]	109-27-3	ACG	Yes / No
1H-Tetrazole	288-94-8	ACG	Yes / No
TNT [Trinitrotoluene]	118-96-7	ACG	Yes / No
Torpex [Hexotonal]	67713-16-0	ACG	Yes / No
Trinitroaniline	26952-42-1	ACG	Yes / No
Trinitroanisole	606-35-9	ACG	Yes / No
Trinitrobenzene	99-35-4	ACG	Yes / No
Trinitrobenzenesulfonic acid	2508-19-2	ACG	Yes / No
Trinitrobenzoic acid	129-66-8	ACG	Yes / No
Trinitrochlorobenzene	88-88-0	ACG	Yes / No
Trinitrofluorenone	129-79-3	ACG	Yes / No
Trinitro-meta-cresol	602-99-3	ACG	Yes / No
Trinitronaphthalene	55810-17-8	ACG	Yes / No
Trinitrophenetole	4732-14-3	ACG	Yes / No
Trinitrophenol	88-89-1	ACG	Yes / No
Trinitroresorcinol	82-71-3	ACG	Yes / No
Tritonal	54413-15-9	ACG	Yes / No

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Sabotage/Contamination Chemicals of Interest

Select the sabotage/contamination chemicals of interest that are listed in the DHS Preliminary Tier Determination Letter.

The default settings on this list indicate that the chemical of interest is NOT listed in the letter. You must select "Yes" if the chemical is listed in the letter.

Chemical Name	CAS#	Min. Conc.	Was the chemical listed in the letter? [Q:2.7-1671]
Acetone cyanohydrin, stabilized	75-86-5	ACG	(•) Yes ( ) No
Acetyl bromide	506-96-7	ACG	(•) Yes ( ) No
Acetyl chloride	75-36-5	ACG	( ) Yes (•) No
Acetyl iodide	507-02-8	ACG	( ) Yes (•) No
Allyltrichlorosilane, stabilized	107-37-9	ACG	( ) Yes (•) No
Aluminum bromide, anhydrous	7727-15-3	ACG	( ) Yes (•) No
Aluminum chloride, anhydrous	7446-70-0	ACG	( ) Yes (•) No
Aluminum phosphide	20859-73-8	ACG	( ) Yes (•) No
Amyltrichlorosilane	107-72-2	ACG	( ) Yes (•) No
Antimony pentafluoride	7783-70-2	ACG	( ) Yes (•) No
Boron tribromide	10294-33-4	ACG	( ) Yes (•) No
Bromine pentafluoride	7789-30-2	ACG	( ) Yes (•) No
Bromine trifluoride	7787-71-5	ACG	( ) Yes (•) No
Butyltrichlorosilane	7521-80-4	ACG	( ) Yes (•) No
Calcium hydrosulfite [Calcium dithionite]	15512-36-4	ACG	( ) Yes (•) No
Calcium phosphide	1305-99-3	ACG	( ) Yes (•) No
Chlorine dioxide [Chlorine oxide, (ClO_2)]	10049-04-4	ACG	( ) Yes (•) No
Chloroacetyl chloride	79-04-9	ACG	( ) Yes (•) No
Chlorosulfonic acid	7790-94-5	ACG	( ) Yes (•) No
Chromium oxychloride	14977-61-8	ACG	( ) Yes (•) No
Cyclohexyltrichlorosilane	98-12-4	ACG	( ) Yes (•) No
Diethyldichlorosilane	1719-53-5	ACG	( ) Yes (•) No
Dimethyldichlorosilane [Silane, dichlorodimethyl-]	75-78-5	ACG	( ) Yes (•) No
Diphenyldichlorosilane	80-10-4	ACG	( ) Yes (•) No
Dodecyltrichlorosilane	4484-72-4	ACG	( ) Yes (•) No
Ethyltrichlorosilane	115-21-9	ACG	( ) Yes (•) No
Fluorosulfonic acid	7789-21-1	ACG	( ) Yes (•) No
Hexyltrichlorosilane	928-65-4	ACG	( ) Yes (•) No
Iodine pentafluoride	7783-66-6	ACG	( ) Yes (•) No
Lithium amide	7782-89-0	ACG	( ) Yes (•) No
Lithium nitride	26134-62-3	ACG	( ) Yes (•) No
Magnesium diamide	7803-54-5	ACG	( ) Yes (•) No
Magnesium phosphide	12057-74-8	ACG	( ) Yes (•) No
Methyldichlorosilane	75-54-7	ACG	( ) Yes (•) No
Methylphenyldichlorosilane	149-74-6	ACG	( ) Yes (•) No
Methyltrichlorosilane [Silane, trichloromethyl-]	75-79-6	ACG	( ) Yes (•) No
Nonyltrichlorosilane	5283-67-0	ACG	( ) Yes (•) No
Octadecyltrichlorosilane	112-04-9	ACG	( ) Yes (•) No
Octyltrichlorosilane	5283-66-9	ACG	( ) Yes (•) No
Phenyltrichlorosilane	98-13-5	ACG	( ) Yes (•) No
Phosphorus oxychloride [Phosphoryl chloride]	10025-87-3	ACG	( ) Yes (•) No
Phosphorus pentabromide	7789-69-7	ACG	( ) Yes (•) No
Phosphorus pentachloride	10026-13-8	ACG	( ) Yes (•) No
Phosphorus pentasulfide	1314-80-3	ACG	( ) Yes (•) No
Phosphorus trichloride	7719-12-2	ACG	( ) Yes (•) No
Potassium cyanide	151-50-8	ACG	( ) Yes (•) No
Potassium phosphide	20770-41-6	ACG	( ) Yes (•) No
Propyltrichlorosilane	141-57-1	ACG	( ) Yes (•) No
Silicon tetrachloride	10026-04-7	ACG	( ) Yes (•) No
Sodium cyanide	143-33-9	ACG	( ) Yes (•) No
Sodium hydrosulfite [Sodium dithionite]	7775-14-6	ACG	( ) Yes (•) No
Sodium phosphide	12058-85-4	ACG	( ) Yes (•) No
Strontium phosphide	12504-16-4	ACG	( ) Yes (•) No
Sulfuryl chloride	7791-25-5	ACG	( ) Yes (•) No
Thionyl chloride	7719-09-7	ACG	( ) Yes (•) No
Titanium tetrachloride [Titanium chloride ($TiCl_4$) (T-4)-]	7550-45-0	ACG	( ) Yes (•) No
Trichlorosilane [Silane, trichloro-]	10025-78-2	ACG	( ) Yes (•) No
Trimethylchlorosilane [Silane, chlorotrimethyl-]	75-77-4	ACG	( ) Yes (•) No
Vinyltrichlorosilane	75-94-5	ACG	(•) Yes ( ) No
Zinc hydrosulfite [Zinc dithionite]	7779-86-4	ACG	(•) Yes ( ) No

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Mission Critical Chemicals

Enter the name of the mission critical chemicals that are listed in the DHS Preliminary Tier Determination Letter.

Mission Critical Chemical	
[Q:2.8-3191]	
Asset 1	Delete
	Add

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Economically Critical Chemicals

Enter the name of the economically critical chemicals that are listed in the DHS Preliminary Tier Determination Letter.

Economically Critical Chemical

[Q:2.9-1212]

Asset 2 Delete

Add

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Summary of Facility Security Issues Selected

Release Toxic Chemicals of Interest

Chemical Name	CAS#	Min. Conc.
Acrolein [2-Propenal or Acrylaldehyde]	107-02-8	1.00%
Allyl alcohol [2-Propen-1-ol]	107-18-6	1.00%
Tetramethyllead [Plumbane, tetramethyl-]	75-74-1	1.00%
Titanium tetrachloride [Titanium chloride ($TiCl_4$) (T-4)-]	7550-45-0	1.00%

Release Flammable Chemicals of Interest

Chemical Name	CAS#	Min. Conc.
Acetaldehyde	75-07-0	1.00%
Acetylene [Ethyne]	74-86-2	1.00%
Carbon oxysulfide [Carbon oxide sulfide (COS); carbonyl sulfide]	463-58-1	1.00%
Vinylidene fluoride [Ethene, 1,1-difluoro-]	75-38-7	1.00%

Fuels

Fuels: Bunker fuel

Fuels: Diesel

Release Explosive Chemicals of Interest

Chemical Name	CAS#	Min. Conc.
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
Ammonium perchlorate	7790-98-9	ACG
Trinitroresorcinol	82-71-3	ACG
Tritonal	54413-15-9	ACG

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

Chemical Name	CAS#	Min. Conc.
Arsenic trichloride [Arsenous trichloride]	7784-34-1	30.00%
1,4-Bis(2-chloroethylthio)-n-butane	142868-93-7	
Diethyl methylphosphonite	15715-41-0	30.00%
Triethanolamine hydrochloride	637-39-8	80.00%
VX [o-Ethyl-S-2-diisopropylaminoethyl methyl phosphonothiolate]	50782-69-9	

Theft/Diversion Weapon of Mass Effect (WME) Chemicals oif Interest

Chemical Name	CAS#	Min. Conc.
Arsine	7784-42-1	0.67%
Boron tribromide	10294-33-4	12.67%
Boron trichloride [Borane, trichloro]	10294-34-5	84.70%
Trifluorochloroethylene [Ethene, chlorotrifluoro]	79-38-9	66.67%
Tungsten hexafluoride	7783-82-6	7.10%

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

Chemical Name	CAS#	Min. Conc.
Aluminum (powder)	7429-90-5	ACG
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
Trinitroresorcinol	82-71-3	ACG
Tritonal	54413-15-9	ACG

Sabotage/Contamination Chemicals of Interest

Chemical Name	CAS#	Min. Conc.
Acetone cyanohydrin, stabilized	75-86-5	ACG
Acetyl bromide	506-96-7	ACG
Vinyltrichlorosilane	75-94-5	ACG
Zinc hydrosulfite [Zinc dithionite]	7779-86-4	ACG

Mission Critical Chemicals

Mission Critical Chemical

[Q:2.98-3412]

Asset 1

Economically Critical Chemicals

Economically Critical Chemical

[Q:2.98-3438]

Asset 2

Have all security issues and chemicals of interest from the DHS Preliminary Tier Determination Letter been entered?

[Q:2.98-3411]

- (•) Yes
- ( ) No

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Potentially Critical Assets

Enter the name and description of all potentially critical assets.

Asset Name

[Q:3.1-3413]

Pot Crit Asset | Delete | Describe: Pot Crit Asset

Add

Have all potentially critical assets been listed and described?

- (•) Yes
- ( ) No

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Potentially Critical Assets - Detail

Pot Crit Asset

Provide a brief description of the asset including:

- the primary function (eg, storage, production, loading/unloading);
- number and type of grouped or interconnected vessels; and
- any additional facility identifying number or name. (For example, *raw material storage area, including two storage tanks T-1 and T-2*)

Enter a brief description of the asset.

[Q:3.31-3831]

Check the containment types used by this asset. Check all that apply.

[Q:3.31-5472]

- [ ] Process Unit
- [ ] Piping
- [ ] Pipeline
- [ ] Reactor
- [ ] Pressure Vessel
- [ ] Low Pressure Storage Tank
- [ ] Rail Car
- [ ] Tank Truck
- [ ] Isotainer
- [ ] Barge
- [ ] Cylinder
- [ ] Underground Storage
- [ ] Mounded Storage
- [ ] Other

Check the chemical phases present. Check all that apply.

[Q:3.31-5492]

- [ ] Gas
- [ ] Liquid
- [x] Gas Liquified by Pressure
- [ ] Gas Liquified by Refrigeration
- [ ] Solid
- [ ] Multiple Phases

Check the types of passive mitigation associated with the asset. Check all that apply.

[Q:3.31-5493]

- [ ] Secondary Containment
- [ ] Enclosure
- [ ] Inherent Robustness
- [ ] None

Facility Security Issues

Check all the security issues associated with this asset.

Check if the asset involves security issues for the release toxic chemicals of interest. [Q:3.31-5211] [x]

Check if the asset involves security issues for release flammable chemicals of interest. [Q:3.31-5212] [x]

Check if the asset involves security issues for release explosive chemicals of interest. [Q:3.31-5223] [x]

Check if the asset involves security issues for theft/diversion CW/CWP chemicals of interest. [Q:3.31-5224] [x]

Check if the asset involves security issues for theft/diversion WME chemicals of interest. [Q:3.31-5225] [x]

Check if the asset involves security issues for theft/diversion EXP/IEDP chemicals of interest. [Q:3.31-5227] [x]

Check if the asset involves security issues for sabotage and contamination chemicals. [Q:3.31-5229] [x]

Check if the asset involves security issues for mission critical chemicals. [Q:3.31-5231] [x]

Check if the asset involves security issues for economically critical chemicals. [Q:3.31-5232] [x]

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Potentially Critical Assets - Detail

Pot Crit Asset

Select all release toxic chemicals of interest (COI) associated with this asset.

Chemical Name	CAS#	Min. Conc.	Is the COI associated with this asset? [Q:3.4-3473]
Acrolein [2-Propenal or Acrylaldehyde]	107-02-8	1.00%	(•) Yes ( ) No
Allyl alcohol [2-Propen-1-ol]	107-18-6	1.00%	(•) Yes ( ) No
Tetramethyllead [Plumbane, tetramethyl-]	75-74-1	1.00%	(•) Yes ( ) No
Titanium tetrachloride [Titanium chloride ($TiCl_4$) (T-4)-]	7550-45-0	1.00%	(•) Yes ( ) No

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Potentially Critical Assets - Detail

Pot Crit Asset

Enter the quantity of release toxic chemical of interest associated with this asset (pounds).

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.

Chemical Name	CAS#	Min. Conc.	Quantity (pounds) [Q:3.41-3475]
Acrolein [2-Propenal or Acrylaldehyde]	107-02-8	1.00%	
Allyl alcohol [2-Propen-1-ol]	107-18-6	1.00%	
Tetramethyllead [Plumbane, tetramethyl-]	75-74-1	1.00%	
Titanium tetrachloride [Titanium chloride ($TiCl_4$) (T-4)-]	7550-45-0	1.00%	

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Potentially Critical Assets - Detail

Pot Crit Asset

Select all release flammable chemicals of interest (COI) associated with this asset.

Chemical Name	CAS#	Min. Conc.	Is the COI associated with this asset? [Q:3.42-3493]
Acetaldehyde	75-07-0	1.00%	Yes / No
Acetylene [Ethyne]	74-86-2	1.00%	Yes / No
Carbon oxysulfide [Carbon oxide sulfide (COS); carbonyl sulfide]	463-58-1	1.00%	Yes / No
Vinylidene fluoride [Ethene, 1,1-difluoro-]	75-38-7	1.00%	Yes / No

Fuels

Fuels: Bunker fuel	Yes / No
Fuels: Diesel	Yes / No

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Potentially Critical Assets - Detail

Pot Crit Asset

Enter the quantity of release flammable chemical of interest associated with this asset (pounds).

Chemical Name	CAS#	Min. Conc.	Quantity (pounds)
			[Q:3.43-3496]
Acetaldehyde	75-07-0	1.00%	
Acetylene [Ethyne]	74-86-2	1.00%	
Carbon oxysulfide [Carbon oxide sulfide (COS); carbonyl sulfide]	463-58-1	1.00%	
Vinylidene fluoride [Ethene, 1,1-difluoro-]	75-38-7	1.00%	

Fuels

Fuels: Bunker fuel	
Fuels: Diesel	

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Potentially Critical Assets - Detail

Pot Crit Asset

Select all release explosive chemicals of interest (COI) associated with this asset.

Chemical Name	CAS#	Min. Conc.	Is the COI associated with this asset? [Q:3.44-3500]
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	(•) Yes ( ) No
Ammonium perchlorate	7790-98-9	ACG	(•) Yes ( ) No
Trinitroresorcinol	82-71-3	ACG	(•) Yes ( ) No
Tritonal	54413-15-9	ACG	(•) Yes ( ) No

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Potentially Critical Assets - Detail

Pot Crit Asset

Enter the quantity of release explosive chemical of interest associated with this asset (pounds).

Chemical Name	CAS#	Min. Conc.	Quantity (pounds) [Q:3.45-3503]
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	
Ammonium perchlorate	7790-98-9	ACG	
Trinitroresorcinol	82-71-3	ACG	
Tritonal	54413-15-9	ACG	

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Potentially Critical Assets - Detail

Pot Crit Asset

Select all theft/diversion CW/CWP chemicals of interest (COI) associated with this asset.
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.

A bulk storage container is one from which the COI could be safely transferred into portable package or could be moved with the aid of powered mechanical devices.

Chemical Name	CAS#	Min. Conc.	Is the COI associated with this asset? [Q:3.46-3507]	Portable [Q:3.46-3552]	Bulk Transport [Q:3.46-3553]	Bulk Storage [Q:3.46-3554]
Arsenic trichloride [Arsenous trichloride]	7784-34-1	30.00%	(•) Yes ( ) No	☐	☐	☐
1,4-Bis(2-chloroethylthio)-n-butane	142868-93-7		(•) Yes ( ) No	☐	☐	☐
Diethyl methylphosphonite	15715-41-0	30.00%	(•) Yes ( ) No	☐	☐	☐
Triethanolamine hydrochloride	637-39-8	80.00%	(•) Yes ( ) No	☐	☐	☐
VX [o-Ethyl-S-2-diisopropylaminoethyl methyl phosphonothiolate]	50782-69-9		(•) Yes ( ) No	☐	☐	☐

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Potentially Critical Assets - Detail

Pot Crit Asset

Enter the quantity of theft/diversion CW/CWP chemical of interest (COI) associated with this asset (pounds).
Enter the number of containers storing COI associated with this asset.

Chemical Name	CAS#	Min. Conc.	Quantity (pounds) [Q:3.47-3555]	Number of Containers [Q:3.47-5532]
Arsenic trichloride [Arsenous trichloride]	7784-34-1	30.00%		
1,4-Bis(2-chloroethylthio)-n-butane	142868-93-7			
Diethyl methylphosphonite	15715-41-0	30.00%		
Triethanolamine hydrochloride	637-39-8	80.00%		
VX [o-Ethyl-S-2-diisopropylaminoethyl methyl phosphonothiolate]	50782-69-9			

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Potentially Critical Assets - Detail

Pot Crit Asset

Select all theft/diversion WME chemicals of interest (COI) associated with this asset.
Check if the chemical is available in portable or bulk transportation 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.

Chemical Name	CAS#	Min. Conc.	Is the COI associated with this asset? [Q:3.48-3514]	Portable [Q:3.48-3571]	Bulk Transport [Q:3.48-3572]
Arsine	7784-42-1	0.67%	(•) Yes ( ) No	☐	☐
Boron tribromide	10294-33-4	12.67%	(•) Yes ( ) No	☐	☐
Boron trichloride [Borane, trichloro]	10294-34-5	84.70%	(•) Yes ( ) No	☐	☐
Trifluorochloroethylene [Ethene, chlorotrifluoro]	79-38-9	66.67%	(•) Yes ( ) No	☐	☐
Tungsten hexafluoride	7783-82-6	7.10%	(•) Yes ( ) No	☐	☐

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Potentially Critical Assets - Detail

Pot Crit Asset

Enter the quantity of theft/diversion WME chemical of interest (COI) associated with this asset (pounds).
Enter the number of containers storing COI associated with this asset.

Chemical Name	CAS#	Min. Conc.	Quantity (pounds) [Q:3.49-3593]	Number of Containers [Q:3.49-5533]
Arsine	7784-42-1	0.67%		
Boron tribromide	10294-33-4	12.67%		
Boron trichloride [Borane, trichloro]	10294-34-5	84.70%		
Trifluorochloroethylene [Ethene, chlorotrifluoro]	79-38-9	66.67%		
Tungsten hexafluoride	7783-82-6	7.10%		

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Potentially Critical Assets - Detail

Pot Crit Asset

Select all theft/diversion explosive/IED precursor chemicals of interest (COI) associated with this asset.
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.

A bulk storage container is one from which the COI could be safely transferred into portable package or could be moved with the aid of powered mechanical devices.

Chemical Name	CAS#	Min. Conc.	Is the COI associated with this asset? [Q:3.5-3520]	Portable [Q:3.5-3611]	Bulk Transport [Q:3.5-3612]	Bulk Storage [Q:3.5-3613]
Aluminum (powder)	7429-90-5	ACG	(•) 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	(•) Yes ( ) No	☐	☐	☐
Trinitroresorcinol	82-71-3	ACG	(•) Yes ( ) No	☐	☐	☐
Tritonal	54413-15-9	ACG	(•) Yes ( ) No	☐	☐	☐

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Potentially Critical Assets - Detail

Pot Crit Asset

Enter the quantity of theft/diversion explosive/IED precursor chemical of interest (COI) associated with this asset (pounds).
Enter the number of containers storing COI associated with this asset.

Chemical Name	CAS#	Min. Conc.	Quantity (pounds) [Q:3.51-3614]	Number of Containers [Q:3.51-5534]
Aluminum (powder)	7429-90-5	ACG		
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		
Trinitroresorcinol	82-71-3	ACG		
Tritonal	54413-15-9	ACG		

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Potentially Critical Assets - Detail

Pot Crit Asset

Select all sabotage/contamination chemicals of interest associated with this asset.

Chemical Name	CAS#	Min. Conc.	Is the COI associated with this asset? [Q:3.52-3527]
Acetone cyanohydrin, stabilized	75-86-5	ACG	(•) Yes ( ) No
Acetyl bromide	506-96-7	ACG	(•) Yes ( ) No
Vinyltrichlorosilane	75-94-5	ACG	( ) Yes (•) No
Zinc hydrosulfite [Zinc dithionite]	7779-86-4	ACG	( ) Yes (•) No

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Potentially Critical Assets - Detail

Pot Crit Asset

Enter the quantity of sabotage/contamination chemical of interest associated with this asset (pounds).

Chemical Name	CAS#	Min. Conc.	Quantity (pounds)
			[Q:3.53-3632]
Acetone cyanohydrin, stabilized	75-86-5	ACG	
Acetyl bromide	506-96-7	ACG	
Vinyltrichlorosilane	75-94-5	ACG	
Zinc hydrosulfite [Zinc dithionite]	7779-86-4	ACG	

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Potentially Critical Assets - Detail

Pot Crit Asset

Select all mission critical chemicals listed in the Preliminary Tier Determination Letter that are associated with this asset.

Mission Critical Chemical	Is the chemical associated with this asset? [Q:3.54-3633]
Asset 1	(•) Yes ( ) No

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Potentially Critical Assets - Detail

Pot Crit Asset

Select all economically critical chemicals listed in the Preliminary Tier Determination Letter that are associated with this asset.

Economically Critical Chemical	Is the chemical associated with this asset? [Q:3.55-3634]
Asset 2	(•) Yes ( ) No

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Potentially Critical Assets - Detail

Pot Crit Asset

Is there a cyber control system related to this asset?

[Q:3.56-3659]

- (•) Yes
- ( ) No

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Potentially Critical Assets - Detail

Pot Crit Asset

Is there a cyber business system related to this asset?

[Q:3.561-4292]

- (•) Yes
- ( ) No

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Potentially Critical Assets - Detail

Pot Crit Asset

Check the box to confirm all questions to characterize this asset have been completed.

Asset Characterization Completed [Q:3.57-4752] ☑

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Potentially Critical Assets - Detail Summary

Pot Crit Asset

This asset is considered critical. It is included in Consequence Analysis and Vulnerability Analysis evaluations.

Release Toxic chemicals of interest associated with this asset.

Chemical Name	CAS#	Min. Conc.
Acrolein [2-Propenal or Acrylaldehyde]	107-02-8	1.00%
Allyl alcohol [2-Propen-1-ol]	107-18-6	1.00%
Tetramethyllead [Plumbane, tetramethyl-]	75-74-1	1.00%
Titanium tetrachloride [Titanium chloride ($TiCl_4$) (T-4)-]	7550-45-0	1.00%

Release Flammable chemicals of interest associated with this asset.

Chemical Name	CAS#	Min. Conc.
Acetaldehyde	75-07-0	1.00%
Acetylene [Ethyne]	74-86-2	1.00%
Carbon oxysulfide [Carbon oxide sulfide (COS); carbonyl sulfide]	463-58-1	1.00%
Vinylidene fluoride [Ethene, 1,1-difluoro-]	75-38-7	1.00%

Fuels

Fuels: Bunker fuel

Fuels: Diesel

Release Explosive chemicals of interest associated with this asset.

Chemical Name	CAS#	Min. Conc.
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
Ammonium perchlorate	7790-98-9	ACG
Trinitroresorcinol	82-71-3	ACG
Tritonal	54413-15-9	ACG

Theft/Diversion CW/CWP chemicals of interest associated with this asset.

Chemical Name	CAS#	Min. Conc.
Arsenic trichloride [Arsenous trichloride]	7784-34-1	30.00%
1,4-Bis(2-chloroethylthio)-n-butane	142868-93-7	
Diethyl methylphosphonite	15715-41-0	30.00%
Triethanolamine hydrochloride	637-39-8	80.00%
VX [o-Ethyl-S-2-diisopropylaminoethyl methyl phosphonothiolate]	50782-69-9	

Theft/Diversion WME chemicals of interest associated with this asset.

Chemical Name	CAS#	Min. Conc.
Arsine	7784-42-1	0.67%
Boron tribromide	10294-33-4	12.67%
Boron trichloride [Borane, trichloro]	10294-34-5	84.70%
Trifluorochloroethylene [Ethene, chlorotrifluoro]	79-38-9	66.67%
Tungsten hexafluoride	7783-82-6	7.10%

Theft/Diversion Explosive/IED Precursor chemicals of interest associated with this asset.

Chemical Name	CAS#	Min. Conc.
Aluminum (powder)	7429-90-5	ACG
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
Trinitroresorcinol	82-71-3	ACG
Tritonal	54413-15-9	ACG

Sabotage/Contamination chemicals of interest associated with this asset.

Chemical Name	CAS#	Min. Conc.
Acetone cyanohydrin, stabilized	75-86-5	ACG
Acetyl bromide	506-96-7	ACG
Vinyltrichlorosilane	75-94-5	ACG
Zinc hydrosulfite [Zinc dithionite]	7779-86-4	ACG

Mission Critical chemicals associated with this asset.

Mission Critical Chemical
Asset 1

Economically Critical chemicals associated with this asset.

Economically Critical Chemical
Asset 2

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Cyber Control Systems

List all cyber control systems by name.

List only the control systems for the potentially critical assets.

Control System Name		
[Q:3.7-3711]		
Control System	Delete	Describe: Control System
	Add	

Have all relevant cyber control systems been identified?

[Q:3.7-3712]

- (•) Yes
- ( ) No

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Cyber Control Systems

Control System

Enter cyber control system description.

[Q:3.71-3719]

Check the asset(s) controlled by this cyber control system.

Critical Asset Name	Is the asset associated with this control system? [Q:3.71-3835]
Pot Crit Asset	○ Yes ◉ No

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Cyber Business Systems

List all cyber business systems by name.

List only the business systems for the potentially critical assets.

Business System Name

[Q:3.8-3715]

Business System | Delete | Describe: Business System

Add

Have all cyber business systems been evaluated?

[Q:3.8-3716]

- (•) Yes
- ( ) No

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Cyber Business Systems

Business System

Enter cyber business system description.

[Q:3.81-3720]

Check the asset(s) associated with this cyber business system.

Critical Asset Name	Is the asset associated with this business system? [Q:3.81-3837]
Pot Crit Asset	○ Yes ◉ No

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Summary - Potentially Critical Assets and Security Concerns

Critical Asset Name	Release Toxic	Release Flammable	Release Explosive	Sabotage/ Contamination	Theft/ Diversion CW/CWP	Theft/ Diversion WME	Theft/ Diversion EXP/IEDP
[Q:3.9-4932]	[Q:3.9-4933]	[Q:3.9-4934]	[Q:3.9-4935]	[Q:3.9-4939]	[Q:3.9-4936]	[Q:3.9-4937]	[Q:3.9-4938]
Pot Crit Asset	✓	✓	✓	✓	✓	✓	✓

Critical Asset Name	Mission Critical	Economic Critical
[Q:3.9-5554]	[Q:3.9-5555]	[Q:3.9-5556]
Pot Crit Asset	✓	✓

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Select a Potentially Critical Asset from the list to begin consequence analysis.

Critical Asset Name

[Q:6.1-3839]

Pot Crit Asset

Describe: Pot Crit Asset

Have all critical assets been evaluated?

[Q:6.1-1396]

- (•) Yes
- ( ) No

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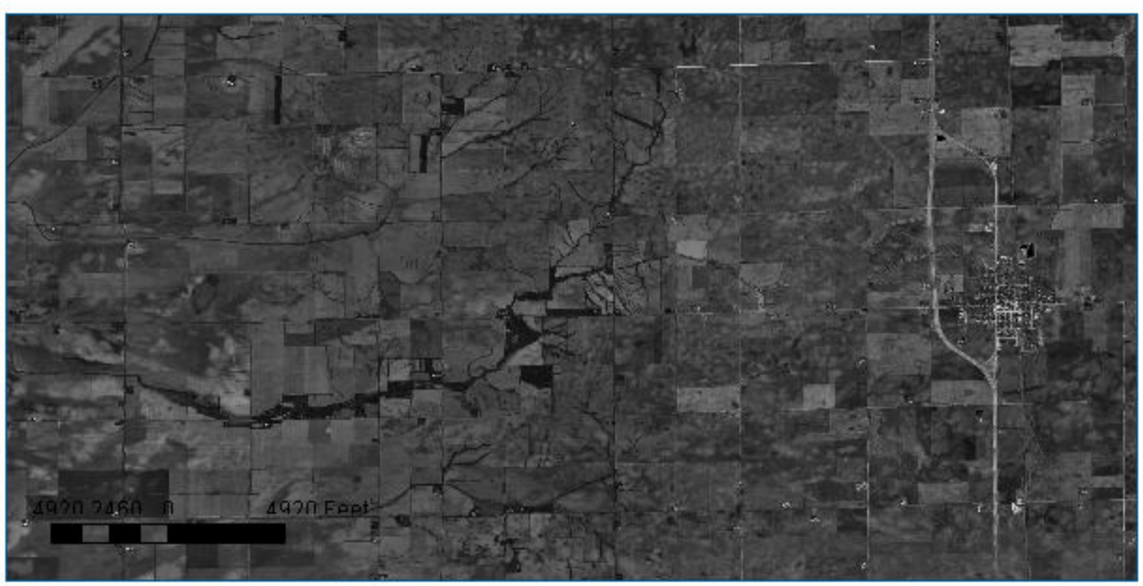
Asset Screening

Pot Crit Asset

Identify the location of this asset. Click on "Locate Asset" and then click on the map to identify the location of the asset. Do not click "Next »" until the star appears showing the location of the asset.

Zoom In | Zoom Out | Pan | Full Extent | Locate Asset

Map Help	
Click a button in the map toolbar to choose a tool. The tools may be used as follows:	
Zoom In	Click and drag to create a rectangle around the area that you want to magnify.
Zoom Out	Click and drag to zoom out.
Pan	Click and drag to view other parts of the map without resizing. The map will move in the direction you drag.
Full Extent	Click the Full Extent button once to view the magnification that shows the entire map. At the full extent, you will not be able to zoom out further.
Locate Asset	Click on the map to identify the location of the asset.



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Pot Crit Asset ☑ Marine ☑ Aircraft ☑ Vehicle ☑ Assault

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Consequence Analysis

Pot Crit Asset :

Click on "Locate Attack Location" and then click on the map to identify the location of the attack. Zoom in around the blast circles and print this page for reference as you complete the questions that follow. Do not click "Next >>" until the blast circles appear.

The diameter of the smaller blast circle is 280.0 feet.

If the application takes too long to draw the blast circles please reload the page by using application's BACK button.

Map Help	
Click a button in the map toolbar to choose a tool. The tools may be used as follows:	
Zoom In	Click and drag to create a rectangle around the area that you want to magnify.
Zoom Out	Click and drag to zoom out.
Pan	Click and drag to view other parts of the map without resizing. The map will move in the direction you drag.
Full Extent	Click the Full Extent button once to view the magnification that shows the entire map. At the full extent, you will not be able to zoom out further.
Locate Attack Location	Click on the map to identify the location of the attack.

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Pot Crit Asset: Marine

Enter the maximum number of employees within the outer damage radius (270 feet).

The number should represent the typical maximum number of full-time employees and resident contractors within the combined inner and outer areas at any given time. Do not include occasional times of higher on-site workforce, such as turnarounds, in this number.

[Q:7.01-3896]

Are there any potentially critical assets located within the inner damage radius (140 feet)?

[Q:7.01-1531] (•) Yes ( ) No

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Pot Crit Asset: Marine

Consider the inner damage radius (140 feet). Are any of the release toxic chemicals of interest listed in the Preliminary Tier Determination Letter located within this zone?

[Q:7.02-1459] (•) Yes
( ) No

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Pot Crit Asset: Marine

Enter the total quantity (pounds) for each release toxic chemical of interest within the inner damage radius (140 feet). 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.

Enter the distance of concern for each release toxic chemical of interest using RMP*Comp (miles).

The distance that should be reported is the downwind distance calculated using RMP*Comp for total 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)

Chemical Name	CAS#	Min. Conc.	Total Quantity within Inner Damage Radius (pounds) [Q:7.05-4014]	RMP*Comp Distance (miles) [Q:7.05-4016]
Acrolein [2-Propenal or Acrylaldehyde]	107-02-8	1.00%		
Allyl alcohol [2-Propen-1-ol]	107-18-6	1.00%		
Tetramethyllead [Plumbane, tetramethyl-]	75-74-1	1.00%		
Titanium tetrachloride [Titanium chloride ($TiCl_4$) (T-4)-]	7550-45-0	1.00%		

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Pot Crit Asset: Marine

Consider the inner damage radius (140 feet). Are any of the release flammable chemicals of interest listed in the Preliminary Tier Determination Letter located within this zone?

[Q:7.1-1731] (•) Yes
( ) No

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Pot Crit Asset: Marine

Enter the total quantity (pounds) for each release flammable chemical of interest within the inner damage radius (140 feet). 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.

Chemical Name	CAS#	Min. Conc.	Total Quantity within Inner Damage Radius (pounds) [Q:7.12-1475]
Acetaldehyde	75-07-0	1.00%	
Acetylene [Ethyne]	74-86-2	1.00%	
Carbon oxysulfide [Carbon oxide sulfide (COS); carbonyl sulfide]	463-58-1	1.00%	
Vinylidene chloride [Ethene, 1,1-dichloro-]	75-35-4	1.00%	
Vinylidene fluoride [Ethene, 1,1-difluoro-]	75-38-7	1.00%	

Fuels

Fuels: Diesel

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Pot Crit Asset: Marine

Consider the inner damage radius (140 feet). Are any of the release explosive chemicals of interest listed in the Preliminary Tier Determination Letter located within this zone?

[Q:7.2-1482] (•) Yes
( ) No

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Pot Crit Asset: Marine

Enter the total quantity (pounds) for each release explosive chemical of interest within the inner damage radius (140 feet). 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.

Chemical Name	CAS#	Min. Conc.	Total Quantity within Inner Damage Radius (pounds) [Q:7.22-1486]
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	
Ammonium perchlorate	7790-98-9	ACG	
Trinitroresorcinol	82-71-3	ACG	
Tritonal	54413-15-9	ACG	

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Pot Crit Asset: Marine

What would be the replacement costs (in dollars) of damage within the inner damage radius (140 feet)? (Enter number without dollar sign or commas)

Replacement Cost: [Q:7.29-1493]

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Pot Crit Asset

Marine Scenario Analysis.

Check the box if the scenario is completed and then press **[Next]** to continue.

Marine Scenario Completed [Q:7.3-4417] ☑

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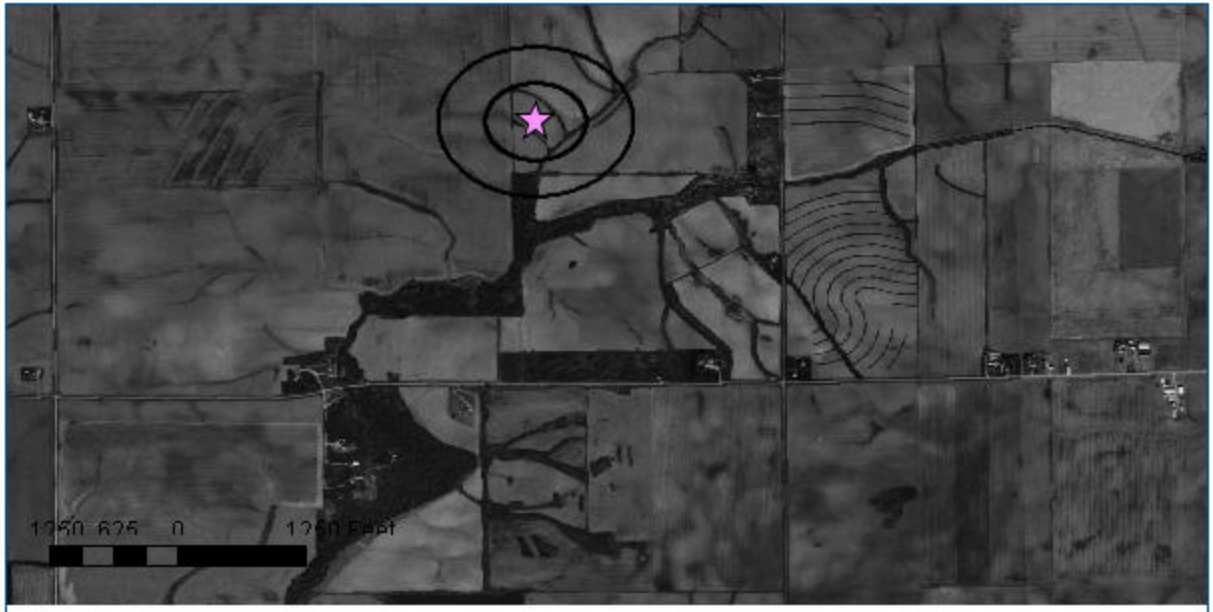
Consequence Analysis

Pot Crit Asset : Aircraft

In this scenario the attack location is assumed to be the center of the asset. You do not need to choose a location. Zoom in around the blast circles and print this page for reference as you complete the questions that follow.

Zoom In | Zoom Out | Pan | Full Extent



The diameter of the smaller blast circle is 980.0 feet.

Map Help	
Click a button in the map toolbar to choose a tool. The tools may be used as follows:	
Zoom In	Click and drag to create a rectangle around the area that you want to magnify.
Zoom Out	Click and drag to zoom out.
Pan	Click and drag to view other parts of the map without resizing. The map will move in the direction you drag.
Full Extent	Click the Full Extent button once to view the magnification that shows the entire map. At the full extent, you will not be able to zoom out further.

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Pot Crit Asset: Aircraft

Enter the maximum number of employees within the outer damage radius (950 feet)?

The number should represent the typical maximum number of full-time employees and resident contractors within the combined inner and outer areas at any given time. Do not include occasional times of higher on-site workforce, such as turnarounds, in this number.

[Q:9.01-4063]

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Pot Crit Asset: Aircraft

Consider the inner damage radius (490 feet). Are any of the release toxic chemicals of interest listed in the Preliminary Tier Determination Letter located within this zone?

[Q:9.02-2079] (•) Yes
( ) No

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Pot Crit Asset: Aircraft

Enter the total quantity (pounds) for each release toxic chemical of interest within the inner damage radius (490 feet). 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.

Enter the distance of concern for each release toxic chemical of interest using RMP*Comp (miles).

The distance that should be reported is the downwind distance calculated using RMP*Comp for total 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)

Chemical Name	CAS#	Min. Conc.	Total Quantity within Inner Damage Radius (pounds) [Q:9.03-2087]	RMP*Comp Distance (miles) [Q:9.03-4067]
Acrolein [2-Propenal or Acrylaldehyde]	107-02-8	1.00%		
Allyl alcohol [2-Propen-1-ol]	107-18-6	1.00%		
Tetramethyllead [Plumbane, tetramethyl-]	75-74-1	1.00%		
Titanium tetrachloride [Titanium chloride ($TiCl_4$) (T-4)-]	7550-45-0	1.00%		

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Pot Crit Asset: Aircraft

Consider the inner damage radius (490 feet). Are any of the release flammable chemicals of interest listed in the Preliminary Tier Determination Letter located within this zone?

[Q:9.1-2142] (•) Yes
( ) No

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Pot Crit Asset: Aircraft

Enter the total quantity (pounds) for each release flammable chemical of interest within the inner damage radius (490 feet). 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.

Chemical Name	CAS#	Min. Conc.	Total Quantity within Inner Damage Radius (pounds) [Q:9.12-2150]
Acetaldehyde	75-07-0	1.00%	
Acetylene [Ethyne]	74-86-2	1.00%	
Carbon oxysulfide [Carbon oxide sulfide (COS); carbonyl sulfide]	463-58-1	1.00%	
Vinylidene chloride [Ethene, 1,1-dichloro-]	75-35-4	1.00%	
Vinylidene fluoride [Ethene, 1,1-difluoro-]	75-38-7	1.00%	

Fuels

Fuels: Diesel

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Pot Crit Asset: Aircraft

Consider the inner damage radius (490 feet). Are any of the release explosive chemicals of interest listed in the Preliminary Tier Determination Letter located within this zone?

[Q:9.2-2176] (•) Yes
( ) No

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Pot Crit Asset: Aircraft

Enter the total quantity (pounds) for each release explosive chemical of interest within the inner damage radius (490 feet). 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.

Chemical Name	CAS#	Min. Conc.	Total Quantity within Inner Damage Radius (pounds) [Q:9.22-2184]
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	
Ammonium perchlorate	7790-98-9	ACG	
Trinitroresorcinol	82-71-3	ACG	
Tritonal	54413-15-9	ACG	

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Pot Crit Asset: Aircraft

What would be the replacement costs (in dollars) of damage within the inner damage radius (490 feet)? (Enter number without dollar sign or commas)

Replacement Cost [Q:9.26-2202]

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Pot Crit Asset

Aircraft Scenario Analysis.

Check the box if the scenario is completed and then press **[Next]** to continue.

Aircraft Scenario Completed [Q:9.3-4421] ☑

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Consequence Analysis

Pot Crit Asset : Vehicle

Click on "Locate Attack Location" and then click on the map to identify the location of the attack. Zoom in around the blast circles and print this page for reference as you complete the questions that follow. Do not click "Next >>" until the blast circles appear.

The diameter of the smaller blast circle is 340.0 feet.

If the application takes too long to draw the blast circles please reload the page by using application's BACK button.

Map Help	
Click a button in the map toolbar to choose a tool. The tools may be used as follows:	
Zoom In	Click and drag to create a rectangle around the area that you want to magnify.
Zoom Out	Click and drag to zoom out.
Pan	Click and drag to view other parts of the map without resizing. The map will move in the direction you drag.
Full Extent	Click the Full Extent button once to view the magnification that shows the entire map. At the full extent, you will not be able to zoom out further.
Locate Attack Location	Click on the map to identify the location of the attack.

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Pot Crit Asset: Vehicle

Enter the maximum number of employees within the outer damage radius (340 feet)?

The number should represent the typical maximum number of full-time employees and resident contractors within the combined inner and outer areas at any given time. Do not include occasional times of higher on-site workforce, such as turnarounds, in this number.

[Q:8.01-3995]

Are there any potentially critical assets within the inner damage radius (170 feet)?

[Q:8.01-3996] (•) Yes ( ) No

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Pot Crit Asset: Vehicle

Consider the inner damage radius (170 feet). Are any of the release toxic chemicals of interest listed in the Preliminary Tier Determination Letter located within this zone?

[Q:8.02-1861] (•) Yes ( ) No

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Pot Crit Asset: Vehicle

Enter the total quantity (pounds) for each release toxic chemical of interest within the inner damage radius (170 feet). 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.

Enter the distance of concern for each release toxic chemical of interest using RMP*Comp (miles).

The distance that should be reported is the downwind distance calculated using RMP*Comp for total 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)

Chemical Name	CAS#	Min. Conc.	Total Quantity within Inner Damage Radius (pounds) [Q:8.03-1869]	RMP*Comp Distance (miles) [Q:8.03-4033]
Acrolein [2-Propenal or Acrylaldehyde]	107-02-8	1.00%		
Allyl alcohol [2-Propen-1-ol]	107-18-6	1.00%		
Tetramethyllead [Plumbane, tetramethyl-]	75-74-1	1.00%		
Titanium tetrachloride [Titanium chloride ($TiCl_4$) (T-4)-]	7550-45-0	1.00%		

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Pot Crit Asset: Vehicle

Consider the inner damage radius (170 feet). Are any of the release flammable chemicals of interest listed in the Preliminary Tier Determination Letter located within this zone?

[Q:8.1-1884] (•) Yes
( ) No

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Pot Crit Asset: Vehicle

Enter the total quantity (pounds) for each release flammable chemical of interest within the inner damage radius (170 feet). 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.

Chemical Name	CAS#	Min. Conc.	Total Quantity within Inner Damage Radius (pounds) [Q:8.12-1892]
Acetaldehyde	75-07-0	1.00%	0
Acetylene [Ethyne]	74-86-2	1.00%	0
Carbon oxysulfide [Carbon oxide sulfide (COS); carbonyl sulfide]	463-58-1	1.00%	0
Vinylidene chloride [Ethene, 1,1-dichloro-]	75-35-4	1.00%	0
Vinylidene fluoride [Ethene, 1,1-difluoro-]	75-38-7	1.00%	0

Fuels

Fuels: Diesel	0

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Pot Crit Asset: Vehicle

Consider the inner damage radius (170 feet). Are any of the release explosive chemicals of interest listed in the Preliminary Tier Determination Letter located within this zone?

[Q:8.2-1907] (•) Yes
( ) No

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Pot Crit Asset: Vehicle

Enter the total quantity (pounds) for each release explosive chemical of interest within the inner damage radius (170 feet). 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.

Chemical Name	CAS#	Min. Conc.	Total Quantity within Inner Damage Radius (pounds) [Q:8.22-2048]
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	0
Ammonium perchlorate	7790-98-9	ACG	0
Trinitroresorcinol	82-71-3	ACG	0
Tritonal	54413-15-9	ACG	0

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Pot Crit Asset: Vehicle

What would be the replacement costs (in dollars) of damage within the inner damage radius (170 feet)? (Enter number without dollar sign or commas)

Replacement Cost [Q:8.26-2066]

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Pot Crit Asset

Vehicle Scenario Analysis.

Check the box if the scenario is completed and then press **[Next]** to continue.

Vehicle Scenario Completed [Q:8.3-4419] ☑

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Pot Crit Asset : Assault Team

In this scenario the attack location is assumed to be the center of the asset. You do not need to choose a location. Zoom in around the blast circles and print this page for reference as you complete the questions that follow.

Zoom In | Zoom Out | Pan | Full Extent

The diameter of the smaller blast circle is 110.0 feet.

Map Help	
Click a button in the map toolbar to choose a tool. The tools may be used as follows:	
Zoom In	Click and drag to create a rectangle around the area that you want to magnify.
Zoom Out	Click and drag to zoom out.
Pan	Click and drag to view other parts of the map without resizing. The map will move in the direction you drag.
Full Extent	Click the Full Extent button once to view the magnification that shows the entire map. At the full extent, you will not be able to zoom out further.

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Pot Crit Asset: Assault Team

Enter the maximum number of employees within the outer damage radius (110 feet)?

The number should represent the typical maximum number of full-time employees and resident contractors within the combined inner and outer areas at any given time. Do not include occasional times of higher on-site workforce, such as turnarounds, in this number.

[Q:10.01-4080]

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Pot Crit Asset: Assault Team

Consider the inner damage radius (55 feet). Are any of the release toxic chemicals of interest listed in the Preliminary Tier Determination Letter located within this zone?

[Q:10.02-2134] (•) Yes
( ) No

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Pot Crit Asset: Assault Team

Enter the total quantity (pounds) for each release toxic chemical of interest within the inner damage radius (55 feet). 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.

Enter the distance of concern for each release toxic chemical of interest using RMP*Comp (miles).

The distance that should be reported is the downwind distance calculated using RMP*Comp for total 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)

Chemical Name	CAS#	Min. Conc.	Total Quantity within Inner Damage Radius (pounds) [Q:10.03-4085]	RMP*Comp Distance (miles) [Q:10.03-4086]
Acrolein [2-Propenal or Acrylaldehyde]	107-02-8	1.00%		
Allyl alcohol [2-Propen-1-ol]	107-18-6	1.00%		
Tetramethyllead [Plumbane, tetramethyl-]	75-74-1	1.00%		
Titanium tetrachloride [Titanium chloride ($TiCl_4$) (T-4)-]	7550-45-0	1.00%		

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Pot Crit Asset: Assault Team

Consider the inner damage radius (490 feet). Are any of the release flammable chemicals of interest listed in the Preliminary Tier Determination Letter located within this zone?

[Q:10.1-2222] (•) Yes ( ) No

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Pot Crit Asset: Assault Team

Enter the total quantity (pounds) for each release flammable chemical of interest within the inner damage radius (55 feet). 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.

Chemical Name	CAS#	Min. Conc.	Total Quantity within Inner Damage Radius (pounds) [Q:10.12-4091]
Acetaldehyde	75-07-0	1.00%	0
Acetylene [Ethyne]	74-86-2	1.00%	0
Carbon oxysulfide [Carbon oxide sulfide (COS); carbonyl sulfide]	463-58-1	1.00%	0
Vinylidene chloride [Ethene, 1,1-dichloro-]	75-35-4	1.00%	0
Vinylidene fluoride [Ethene, 1,1-difluoro-]	75-38-7	1.00%	0

Fuels

Fuels: Diesel	0

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Pot Crit Asset: Assault Team

Consider the inner damage radius (55 feet). Are any of the release explosive chemicals of interest listed in the Preliminary Tier Determination Letter located within this zone?

[Q:10.2-2248] (•) Yes
( ) No

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Pot Crit Asset: Assault Team

Enter the total quantity (pounds) for each release explosive chemical of interest within the inner damage radius (55 feet). 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.

Chemical Name	CAS#	Min. Conc.	Total Quantity within Inner Damage Radius (pounds) [Q:10.22-4098]
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	0
Ammonium perchlorate	7790-98-9	ACG	0
Trinitroresorcinol	82-71-3	ACG	0
Tritonal	54413-15-9	ACG	0

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Pot Crit Asset: Assault Team

What would be the replacement costs (in dollars) of damage within the inner damage radius (55 feet)? (Enter number without dollar sign or commas)

Replacement Cost [Q:10.26-2274]

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Pot Crit Asset

Assault Team Scenario Analysis.

Check the box if the scenario is completed and then press **[Next]** to continue.

Assault Team Scenario Completed [Q:10.3-4423] ☑

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Pot Crit Asset

Consequence Analysis

Check the box if the analysis for this asset is completed, and then press **[Next]** to continue.

Consequence Analysis Completed [Q:6.6-4772] ☑

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Select the Risk Based Performance Standard (RBPS) below to collect information on the current security posture of the facility.

- [x] RBPS 1 - Restricted Area Perimeter
- [ ] RBPS 3 - Screen and Control Access
- [ ] RBPS 4 - Detect, Deter, and Delay
- [ ] RBPS 5 - Shipping, Receipt, and Storage
- [ ] RBPS 6 - Theft and Diversion
- [ ] RBPS 7 - Sabotage/Tampering
- [x] RBPS 8 - Cyber
- [ ] RBPS 9 - Response
- [ ] RBPS 12 - Personal Security

Have all RBPS questions been completed?

[Q:14.0-5151]

- (•) Yes
- ( ) No

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Restrict Area Perimeter - Secure and monitor the perimeter of the facility.

Select from among the examples provided below any specific measures that are applicable to your facility. These examples are provided for your convenience, and you are not required to select any of these examples; instead you may select "Other" and provide a narrative description of any relevant measures that you believe address the issue posed, or you may select "None" if you believe that none of the examples provided apply to your facility and you have not described any other relevant measures.

Perimeter Security

[Q:15.1-5653]

○ The facility has an extremely robust, high integrity system to secure the perimeter that severely restricts or delays any attempts by unauthorized persons to gain access to the facility. To achieve this standard, a facility is likely to use the following:

- An exterior perimeter fence that is a security fence or equivalent barrier that meets industrial consensus standards (e.g., a 7-foot chain link fence plus a 1 foot top guard of barbed wire).
- A clear zone on either side of the fence that allows persons to be detected at the boundary. Where vehicles can access either side of the boundary, the clear zone is wide enough to allow detection of the presence of vehicles (e.g., approximately 10 feet).

◉ The facility has a robust, high integrity system to secure the perimeter that would give unauthorized persons a very low probability of gaining access to the facility. To achieve this standard, a facility is likely to use the following:

- An exterior perimeter fence that is a security fence or equivalent barrier that meets industrial consensus standards (e.g., a 7-foot chain link fence plus a 1 foot top guard of barbed wire).
- A clear zone on either side of the fence that allows persons to be detected at the boundary. Where vehicles can access either side of the boundary, the clear zone is wide enough to allow detection of the presence of vehicles (e.g., approximately 10 feet).

○ The facility has a system to secure the perimeter that would give unauthorized persons a low probability of gaining access to the facility. To achieve this standard, a facility is likely to use a single security barrier, such as:

- An exterior perimeter fence that is a security fence or equivalent barrier that meets industrial consensus standards (e.g., a 7-foot chain link fence plus a 1 foot top guard of barbed wire).

○ The facility has a system to secure the perimeter that reduces the possibility of access of to the facility by unauthorized persons. To achieve this standard, a facility is likely to use a single security barrier, such as:

- An exterior perimeter fence that is a security fence or equivalent barrier that meets industrial consensus standards (e.g., a 7-foot chain link fence plus a 1 foot top guard of barbed wire).

○ Other
○ None

If "Other" selected for Perimeter Security, please explain.

[Q:15.1-5654]

Vehicle Barriers

[Q:15.1-3213]

○ Vehicles would have a very low likelihood of accessing the target by force anywhere along the entire perimeter where vehicle attack is a possible mode of attack. To achieve this, a facility is likely to use aggregate barriers with a minimum of a DS K8 vehicle barrier rating or equivalent. Examples include:

- Vehicle deterrence measures such as bollards, landscaping, berms, ditches, drainage swale, or buried concrete anchors retaining anti-vehicle cable wherever the perimeter is accessible to a vehicle.
- Entrances equipped with traffic control systems to slow incoming traffic, such as serpentine barriers outside the gate.

○ Vehicles would have a low likelihood of accessing the target by force anywhere along the entire perimeter where vehicle attack is a possible mode of attack. To achieve this, a facility is likely to use aggregate barriers with a minimum of a DS K8 vehicle barrier rating or equivalent. Examples include:

- Vehicle deterrence measures such as bollards, landscaping, berms, ditches, drainage swale, or buried concrete anchors retaining anti-vehicle cable wherever the perimeter is accessible to a vehicle.
- Entrances equipped with traffic control systems to slow incoming traffic, such as serpentine barriers outside the gate.

◉ Vehicles would have a reduced likelihood of accessing the target by force anywhere along the entire perimeter where vehicle attack is a possible mode of attack. To achieve this, a facility is likely to use active or passive barriers with a minimum DS K4 vehicle barrier rating or equivalent at perimeter control points where vehicles normally enter and leave the facility and other anti-vehicle barriers such as ditches, revetments, or other man-made or naturally occurring barriers for the remainder of the perimeter where vehicle attack is a possible mode of attack.

○ Vehicles would have a reduced likelihood of accessing the target by force at the perimeter control points where vehicles normally enter and leave the facility. To achieve this, a facility is likely to use anti-vehicle barriers such as ditches, revetments, or other man-made or naturally occurring barriers.

○ Other
○ None

If "Other" selected for Vehicle Barriers, please explain.

[Q:15.1-5655]

Standoff Distance

[Q:15.1-5671]

○ Sufficient vehicle standoff distance is provided to ensure that vehicle-borne improvised explosive devices will not cause a breach of containment resulting in an uncontrolled release of a chemical of interest from the nearest point of attack.

○ Other
○ None

If "Other" selected for Standoff Distance, please explain.

[Q:15.1-5672]

Monitoring and Surveillance

[Q:15.1-5673]

○ The facility has an extremely reliable perimeter monitoring system which continuously monitors the entire length of the facility perimeter, allows for the identification and evaluation of an intrusion in real time, and provides notification of intrusion to a continuously manned location. In the context of this metric, "real time" means that an adverse act virtually always is detected and reported to responders at the time of occurrence. "Extremely reliable" means that the monitoring system is operable during all anticipated conditions, including complete darkness, twilight, inclement weather, and loss of power; with monitoring system components designed, laid-out, and constructed to avoid common cause/dependent failures and provide redundant signal processing equipment where digital signal processing is used. To achieve this, a facility typically will use an integrated, multi-sensor system that:

- Provides intrusion detection and video surveillance around 100% of the perimeter or 100% of the restricted area around the designated COI target.
- Whose images or other output are continuously monitored by a dedicated person, software, or other detection methods used in conjunction with the system.
- Has emergency back up power and/or an equivalent written contingency procedure.
- General area as well as access portal (face view) CCTV surveillance at all.

◉ The facility has a very reliable perimeter monitoring system which continuously monitors the entire length of the facility perimeter, allows for the identification and evaluation of an intrusion in real time, and provides notification of intrusion to a continuously monitored location. In the context of this metric, "real time" means that an adverse act most likely is detected and reported to responders at the time of occurrence. "Very reliable" means that the monitoring system is operable during ambient light, inclement weather, and fluctuating power conditions; with monitoring system components designed, laid-out, and constructed so as to avoid common cause/dependent failures and provide redundant signal processing equipment where digital signal processing is used. To achieve this, a facility typically will use an integrated monitoring system that:

- Provides intrusion detection and video surveillance around designated COI target areas.
- Whose images or other output are continuously monitored by a dedicated person, software, or other detection methods used in conjunction with the system.
- Has emergency back up power and/or an equivalent written contingency procedure.

○ The facility has a reliable perimeter monitoring system that allows for the identification of the presence of an intrusion in real time for the area(s) containing the target asset(s). In the context of this metric, "real time" means that an adverse act likely is detected and reported to responders in a timely manner. "Reliable" means that the monitoring system is be operable during ambient light conditions. To achieve this, a facility typically will use an integrated monitoring system that:

- Provides intrusion detection and video surveillance around designated COI target areas
- Has emergency back up power and/or an equivalent written contingency procedure.

○ The facility has a monitoring system that allows for the identification of the presence of an intrusion in the area(s) containing the target asset(s). To achieve this, a facility typically will use security patrols of the facility or an integrated monitoring system that provides intrusion detection and video surveillance around designated COI target areas, is fully operable during all lighting conditions.

○ Other
○ None

If "Other" selection for Monitoring and Surveillence, please explain.

[Q:15.1-5674]

Check if all the Restrict Area Perimeter questions have been answered.

Restrict Area Perimeter Completed [Q:15.1-5691] ☑

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Screen and Control Access

Select from among the examples provided below any specific measures that are applicable to your facility. These examples are provided for your convenience, and you are not required to select any of these examples; instead you may select "Other" and provide a narrative description of any relevant measures that you believe address the issue posed, or you may select "None" if you believe that none of the examples provided apply to your facility and you have not described any other relevant measures.

Screen and Control Access - Control access to the facility and to restricted areas within the facility by screening and/or inspecting individuals and vehicles as they enter, including:
(i) Measures to deter the unauthorized introduction of dangerous substances and devices that may facilitate an attack or actions having serious negative consequences for the population surrounding the facility; and
(ii) Measures implementing a regularly updated identification system that checks the identification of facility personnel and other persons seeking access to the facility and that discourages abuse through established disciplinary measures.

Access Control Points

[Q:15.2-4185]

(•) The facility has a robust access control system that can demonstrate an extremely high reliability to thwart adversary attempts to gain unauthorized access. To achieve this, a facility is likely to use a combination of the following:

- A system providing for the verification of the authorization for access by a photo identification card or biometrics.
- Access points are manned by security personnel when open for use, and are either manned or continuously monitored at all other times.
- Gates and anti-passback devices (e.g., turnstiles) activated by an electronic access system using badges for vehicle and personnel entrances for both the outer perimeter and internal restricted areas.
-
- A separate access gate for contractor personnel.
- Access control systems that are programmable to allow multi-level access.

( ) The facility has an access control system that can demonstrate a high reliability to thwart adversary attempts to gain unauthorized access. To achieve this, a facility is likely to use a combination of the following:

- A system providing for the verification of the authorization for access by a photo identification card or biometrics.
-
- Access points are manned by security personnel when open for use, and are either manned or continuously monitored at all other times.
- Gates and anti-passback devices (e.g., turnstiles) activated by an electronic access system using badges for vehicle and personnel entrances for both the outer perimeter and internal restricted areas.
- Access control systems that are programmable to allow multi-level access.

( ) The facility has an access control system that reliably thwarts adversary attempts to gain unauthorized access. To achieve this, a facility is likely to use a combination of the following:

- A system providing for the verification of the authorization for access by a photo identification card or electronic key access.
- Access points are either manned by security personnel or are closed and monitored.
- Gates and anti-passback devices (e.g., turnstiles) activated by an electronic access system using badges for vehicle and personnel entrances for both the outer perimeter and internal restricted areas.

( ) The facility has a system to verify the identity of individuals seeking entry to restricted areas to control unauthorized access, such as use of a photo identification card or electronic key access. Facility access points are either manned or closed and monitored.
( ) Other
( ) None

If "Other" selected for Access Point Controls, please explain.

[Q:15.2-5692]

Identity Verification Systems

[Q:15.2-4186]

( ) Unauthorized persons would be highly unlikely to gain unauthorized access due to the robustness of identity verification systems. To achieve this, a facility may do the following:

- All employees and other selected persons are issued tamper-proof ID badges with, at a minimum, the individuals name and photo, that are worn in a visible position when onsite.
- All other personnel are documented, issued a temporary badge, and escorted at all times while onsite.
- Unknown vehicles remain outside the facility perimeter or in a secured area while they and their occupants are being vetted.
- All unescorted personnel (e.g., employees, regular contractors, and transport drivers) are issued electronic photo ID badges integrated with the facility access control system.

( ) Unauthorized persons would be unlikely to gain unauthorized access due to the robustness of identity verification systems. To achieve this, a facility may do the following:

- All employees and other selected persons are issued tamper-proof ID badges with, at a minimum, the individuals name and photo, that are worn in a visible position when onsite.
- All other personnel are documented, issued a temporary badge, and escorted while in restricted areas, and escorted or continuously monitored elsewhere onsite.
- Unknown vehicles remain outside the facility perimeter or in a secured area while they and their occupants are being vetted.
- All unescorted personnel (e.g., employees, regular contractors, and transport drivers) are issued electronic photo ID badges integrated with the facility access control system.

( ) The facility has access control systems that provide for reasonable identity verification, such as the issuing of tamper-proof ID badges to all facility employees, and the provision of visitor badges to, and escorting or monitoring of, all individuals without permanent ID badges.
(•) Other
( ) None

If "Other" selected for Identity Verification Systems, please explain.

[Q:15.2-5693]

Onsite Parking

[Q:15.2-4187]

(•) Parking onsite is minimized and vehicular access to secure areas is restricted (e.g., only company vehicles are allowed onsite, no personally owned vehicles may park onsite, and no delivery vehicles are allowed onsite without an escort).
( ) Parking onsite is minimized and vehicular access to secure areas is restricted (e.g., company vehicles and a very limited number of personally owned employee or contractor vehicles are authorized to park onsite, no visitors may park onsite, and delivery vehicles are escorted in restricted areas).
( ) Authorized employee, contractor, and visitor vehicles parking onsite are kept to a minimum and some authorized delivery vehicles may have unescorted facility access.
( ) Other
( ) None

If "Other" selected for Onsite Parking, please explain.

[Q:15.2-5694]

Screening and Inspections

[Q:15.2-4184]

( ) The facility has a robust screening system that extremely reliably deters the unauthorized introduction of dangerous substances to the facility. A typical facility may use the following means to achieves this standard:

- The facility has the ability to inspect all vehicles and all of the articles carried by individuals seeking access to the facility, and, under normal operating procedures, performs random, rigorous inspections of at least 30% of all vehicles and hand-carried articles both inbound and, for where theft assets are located, outbound.
- Inspections of individuals themselves are performed when the situation warrants.
- Trucks and rail cars are inspected upon entering the facility and prior to loading.

( ) The facility has a screening system that reliably deters the unauthorized introduction of dangerous substances to the facility. A typical facility may use the following means to achieves this standard:

- The facility has the ability to inspect all vehicles and all of the articles carried by individuals seeking access to the facility, and, under normal operating procedures, performs random, rigorous inspections of at least 5% of all vehicles and hand-carried articles.
- Inspections of individuals themselves are performed when the situation warrants.
- Trucks and rail cars are inspected upon entering the facility and prior to loading.

(•) The facility has a screening system that reasonably deters the unauthorized introduction of dangerous substances to the facility. A typical facility may use the following means to achieves this standard:

- The facility has the ability to inspect all vehicles and all of the articles carried by individuals seeking access to the facility, and, under normal operating procedures, performs random, rigorous inspections of at least 5% of all vehicles and hand-carried articles.
- Inspections of individuals themselves are performed when the situation warrants.
- Trucks and rail cars are inspected upon entering the facility and prior to loading.

( ) The facility has a screening system that reasonably deters the unauthorized introduction of dangerous substances to the facility, and performs inspections of vehicles, individuals, and hand-carried articles when the situation warrants.
( ) Other
( ) None

If "Other" selected for Screening and Inspections, please explain.

[Q:15.2-5711]

Check if all the Screen and Control Access questions have been answered.

Screen and Control Access Completed [Q:15.2-5712] ☐

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Detect, Deter, and Delay

Select from among the examples provided below any specific measures that are applicable to your facility. These examples are provided for your convenience, and you are not required to select any of these examples; instead you may select "Other" and provide a narrative description of any relevant measures that you believe address the issue posed, or you may select "None" if you believe that none of the examples provided apply to your facility and you have not described any other relevant measures.

Deter, Detect, and Delay - Deter, detect, and delay an attack, creating sufficient time between detection of an attack and the point at which the attack becomes successful, including measures to:

(i) Deter vehicles from penetrating the facility perimeter, gaining unauthorized access to restricted areas or otherwise presenting a hazard to potentially critical targets;

(ii) Deter attacks through visible, professional, well maintained security measures and systems, including security personnel, detection systems, barriers and barricades, and hardened or reduced value targets;

(iii) Detect attacks at early stages, through counter-surveillance, frustration of opportunity to observe potential targets, surveillance and sensing systems, and barriers and barricades; and

(iv) Delay an attack for a sufficient period of time so to allow appropriate response through on-site security response, barriers and barricades, hardened targets, and well-coordinated response planning.

Deterrence and Delay General

[Q:15.3-5713]

- ○ Through a combination of onsite security, barriers and barricades, hardened targets, and well-coordinated response planning, the facility has a very high likelihood of deterring an attack and/or delaying an attack for a sufficient period of time to allow appropriate response
- ○ Through a combination of onsite security, barriers and barricades, hardened targets, and well-coordinated response planning, the facility has a high likelihood of deterring an attack and/or delaying an attack for a sufficient period of time to allow appropriate response
- ○ Through a combination of onsite security, barriers and barricades, hardened targets, and well-coordinated response planning, the facility has some ability to deter and/or delay an attack allowing appropriate response
- ○ The facility has some ability to deter and/or delay an attack allowing appropriate response through well-coordinated response planning
- ○ Other
- ○ None

If "Other" selected for Deterrence and Delay General, please explain.

[Q:15.3-5714]

Deterrence and Delay Vehicle Barriers

[Q:15.3-3233]

- ○ The facility has robust, highly reliable measures (e.g., DS K8 - K12 range equivalent crash-rated anti-vehicle barrier) that deter vehicles from penetrating the facility perimeter, and make it highly unlikely that a vehicle could gain access by force or otherwise present a hazard to potentially critical targets
- ○ The facility has reliable measures (e.g., DS K8 or equivalent crash-rated anti-vehicle barrier) that deter vehicles from penetrating the facility perimeter, and make it unlikely that a vehicle could gain access by force or otherwise present a hazard to potentially critical targets.
- ◉ The facility has measures (e.g., DS K4 or equivalent crash-rated anti-vehicle barrier) that deter vehicles from penetrating the facility perimeter, and make it difficult for most vehicles to breach the control point by force or otherwise present a hazard to potentially critical targets.
- ○ The facility has some measures (e.g., active or passive barriers) that deter vehicles from accessing the facility without authorization
- ○ Other
- ○ None

If "Other" selected for Deterrence and Delay Vehicle Barriers, please explain.

[Q:15.3-5715]

Detection Monitoring and Surveillance

[Q:15.3-5716]

○ The facility has an extremely reliable perimeter monitoring system which continuously monitors the entire length of the facility perimeter, allows for the identification and evaluation of an intrusion in real time, and provides notification of intrusion to a continuously manned location. In the context of this metric, "real time" means that an adverse act virtually always is detected and reported to responders at the time of occurrence. "Extremely reliable" means that the monitoring system is operable during all anticipated conditions, including complete darkness, twilight, inclement weather, and loss of power; with monitoring system components designed, laid-out, and constructed to avoid common cause/dependent failures and provide redundant signal processing equipment where digital signal processing is used. To achieve this, a facility typically will use an integrated, multi-sensor system that:

- Provides intrusion detection and video surveillance around 100% of the perimeter.
- Whose images or other output are continuously monitored by a dedicated person, software, or other detection methods. used in conjunction with the system
- has emergency back up and/or an equivalent written contingency procedure.

○ The facility has a very reliable perimeter monitoring system which continuously monitors the entire length of the facility perimeter, allows for the identification and evaluation of an intrusion in real time, and provides notification of intrusion to a continuously monitored location. In the context of this metric, "real time" means that an adverse act most likely is detected and reported to responders at the time of occurrence. "Very reliable" means that the monitoring system is operable during ambient light, inclement weather, and fluctuating power conditions; with monitoring system components designed, laid-out, and constructed so as to avoid common cause/dependent failures and provide redundant signal processing equipment where digital signal processing is used. To achieve this, a facility typically will use an integrated monitoring system that:

- Provides intrusion detection and video surveillance around designated COI target areas and that do not have passive vehicle barriers.
- Whose images or other output are continuously monitored by a dedicated person, software, or other detection methods. used in conjunction with the system.
- has emergency back up and/or an equivalent written contingency procedure.

○ The facility has a reliable perimeter monitoring system that allows for the identification of the presence of an intrusion in real time for the area(s) containing the target asset(s). In the context of this metric, "real time" means that an adverse act likely is detected and reported to responders in a timely manner. "Reliable" means that the monitoring system is be operable during ambient light conditions. To achieve this, a facility typically will use an integrated monitoring system that:

- Provides intrusion detection and video surveillance around designated COI target areas.
- Has emergency back up power and/or an equivalent written contingency procedure.

○ The facility has a monitoring system that allows for the identification of the presence of an intrusion in the area(s) containing the target asset(s). To achieve this, a facility typically will use security patrols of the facility or an integrated monitoring system that provides intrusion detection and video surveillance around designated COI target areas, is fully operable during all lighting conditions, and has emergency back up power and/or an equivalent written contingency procedure.

○ Other
○ None

If "Other" selected for Detection Monitoring and Surveillence, please explain.

[Q:15.3-5717]

Detection Security Operations Centers

[Q:15.3-5718]

○ The facility has a very high likelihood of detecting attacks at early stages, through counter-surveillance, frustration of opportunity to observe potential targets, surveillance and sensing systems, and barriers or barricades. To achieve this level of detection, a facility typically maintains a facility-wide intrusion detection system that is continually monitored from a Security Operations Center, and has an adequate backup capability.

○ The facility has a high likelihood of detecting attacks at early stages, through counter-surveillance, frustration of opportunity to observe potential targets, surveillance and sensing systems, and barriers or barricades. To achieve this level of detection, a facility typically maintains a facility-wide intrusion detection system that is continually monitored from a Security Operations Center.

○ The facility has some ability to detect attacks at early stages, through counter-surveillance, frustration of opportunity to observe potential targets, surveillance and sensing systems, and barriers or barricades.

○ The facility has some ability to detect attacks at early stages.

○ Other
○ None

If "Other" selected for Detection Security Operations Centers, please explain.

[Q:15.3-5719]

Interdiction by Security Forces or Other Means

[Q:15.3-5720]

○ The facility is extremely likely to be able to interdict armed intruders before they reach a COI target asset. This capability may be achieved by a facility security force, sufficient delay tactics to allow local law enforcement to respond before the adversary achieves mission success, standoff distances (for VBIEDs), process controls or systems that rapidly render the designated COI target asset(s) non-hazardous even if a breach of containment were to occur (e.g., a rapid chemical neutralization system), or other equivalent measures. If security forces are used, they may be contract or proprietary, mobile or posted, armed or unarmed, or a combination thereof.

○ The facility is likely to be able to interdict armed intruders before they reach a COI target asset. This capability may be achieved by a facility security force, sufficient delay tactics to allow local law enforcement to respond before the adversary achieves mission success, standoff distances (for VBIEDs), process controls or systems that rapidly render the designated COI target asset(s) non-hazardous even if a breach of containment were to occur (e.g., a rapid chemical neutralization system), or other equivalent measures. If security forces are used, they may be contract or proprietary, mobile or posted, armed or unarmed, or a combination thereof.

○ The facility has some ability to interdict armed intruders before they reach a COI target asset. This capability may be achieved by a facility security force, sufficient delay tactics to allow local law enforcement to respond before the adversary achieves mission success, standoff distances (for VBIEDs), process controls or systems that rapidly render the designated COI target asset(s) non-hazardous even if a breach of containment were to occur (e.g., a rapid chemical neutralization system), or other equivalent measures. If security forces are used, they may be contract or proprietary, mobile or posted, armed or unarmed, or a combination thereof.

○ Other
○ None

If "Other" selected for Interdiction by Security Forces or Other Means, please explain.

[Q:15.3-5721]

Check if all the Deter, Detect, and Delay questions have been answered.

Deter, Detect, and Delay Completed [Q:15.3-5722] ☐

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Shipping, Receipt, and Storage - Secure and monitor the shipping, receipt, and storage of hazardous materials for the facility

Select from among the examples provided below any specific measures that are applicable to your facility. These examples are provided for your convenience, and you are not required to select any of these examples; instead you may select "Other" and provide a narrative description of any relevant measures that you believe address the issue posed, or you may select "None" if you believe that none of the examples provided apply to your facility and you have not described any other relevant measures.

Security of Transportation Containers Onsite

[Q:15.4-5723]

- ○ The facility adequately secures all transportation containers of chemicals of interest onsite that are not "in transportation" (i.e., connected to a motive force (e.g., locomotive, truck/tractor) for the purposes of shipping the container to its customer; note, however, containers connected to motive forces for the purposes of moving the containers to another location onsite are not considered "in transportation"). Adequate security includes storing the container within the facility¿s security perimeter and under the facility¿s security control, considering the container in the facility¿s Site Security Plan, and securing and monitoring railcars and other containers using measures consistent with the materials which they contain.
- ○ Other
- ○ None

If "Other" selected for Security of Transportation Containers Onsite, please explain.

[Q:15.4-5724]

"Know-Your-Customer" Provisions

[Q:15.4-5726]

- ○ The facility has an active, documented "know your customer" program that includes a policy of refusing to sell chemicals of interest to those who do not meet pre-established customer qualification criteria, such as confirmation of identity, verification and/or evaluation of onsite security, verification that shipping addresses are valid business locations, confirmation of financial status, establishment of normal business-to-business payment terms and methods (e.g., not allowing cash sales), and verification of product end-use.
- ○ The facility has a "know your customer" program.
- ○ Other
- ○ None

If "Other" selected for "Know-Your-Customer" Provisions, please explain.

[Q:15.4-5727]

Carrier and Shipment Facility Access

[Q:15.4-5728]

- ○ The facility has strict vehicle identification and entry authorization, shipping, and control procedures that are subject to a testing program to confirm reliability. If an unknown carrier arrives at the facility, the vehicle and its driver are staged until both the driver and the load are vetted and approved.
- ○ The facility has vehicle identification and entry authorization, shipping, and control procedures.
- ○ Other
- ○ None

If "Other" selected for Carrier and Shipment Facility Access, please explain.

[Q:15.4-5729]

Confirmation of Shipments

[Q:15.4-5730]

- ○ The facility has adequate security procedures regarding shipments, including:
  - Procedures requiring the relevant facility party to confirm all shipments of feed materials or products to or from the facility before allowing the vehicle or its driver/passengers onsite.
  - Advance planning and approval of all in-bound and out-bound shipments of COI (unannounced shipments are not allowed).
  - Proper identification checks and verification prior to customer pickup of packaged COIs.
- ○ The facility has adequate security procedures regarding shipments, including:
  - Procedures requiring the relevant facility party to confirm most shipments of feed materials or products to or from the facility before allowing the vehicle or its driver/passengers onsite.
  - Advance planning and approval of most in-bound and out-bound shipments of COI.
  - Proper identification checks and verification prior to customer pickup of packaged COIs.
- ○ Other
- ○ None

If "Other" selected for Confirmation of Shipments, please explain.

[Q:15.4-5731]

Verification of Sales and Orders

[Q:15.4-5732]

- ○ A review procedure with appropriate redundancies is in place for all shipping, receiving and delivery of chemicals of interest. The facility has a process to verify receipt of orders for chemicals of interest. Written procedures are in place detailing the specific instructions and requirements to control activities related to sales and storage of regulated materials and chemicals of interest.
- ○ Other
- ○ None

If "Other" selected for Verification of Sales and Orders, please explain.

[Q:15.4-5733]

Check if all the Verification of Sales and Orders questions have been answered.

Verification of Sales and Orders Completed [Q:15.4-5734] ☐

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Theft and Diversion

Select from among the examples provided below any specific measures that are applicable to your facility. These examples are provided for your convenience, and you are not required to select any of these examples; instead you may select "Other" and provide a narrative description of any relevant measures that you believe address the issue posed, or you may select "None" if you believe that none of the examples provided apply to your facility and you have not described any other relevant measures.

Restricted Access to Theft COIs

[Q:15.5-5251]

- (•) Robust controls and procedures exist that restrict access to storage of chemicals of interest, allowing access only to authorized individuals.
- ( ) Controls and procedures exist that restrict access to storage of chemicals of interest, allowing access only to authorized individuals.
- ( ) Controls and procedures exist that restrict access to storage of chemicals of interest.
- ( ) Other
- ( ) None

If "Other" selected for Restricted Access to Theft COIs, please explain.

[Q:15.5-5735]

"Know-Your-Customer" Provisions

[Q:15.5-5736]

- ( ) The facility has an active, documented "know your customer" program that includes a policy of refusing to sell chemicals of interest to those who do not meet pre-established customer qualification criteria, such as confirmation of identity, verification and/or evaluation of onsite security, verification that shipping addresses are valid business locations, confirmation of financial status, establishment of normal business-to-business payment terms and methods (e.g., not allowing cash sales), and verification of product end-use.
- ( ) The facility has a "know your customer" program.
- ( ) Other
- ( ) None

If "Other" selected for "Know-Your-Customer" Provisions, please explain.

[Q:15.5-5737]

Background Checks

[Q:15.5-5739]

- ( ) All employees and contractors involved with the theft chemical of interest have undergone background surety investigations and have been trained to identify and report suspicious behaviors. Drivers transporting theft chemicals of interest are issued facility badges subsequent to 3rd party verification of background suitability.
- ( ) Other
- ( ) None

If "Other" selected for Background Checks, please explain.

[Q:15.5-5740]

Monitoring Theft COIs

[Q:15.5-5742]

- ( ) Personnel monitor critical process equipment containing theft chemical of interest directly via patrols, CCTV, or other method to reduce the potential for tampering, sabotage or theft. Additionally, security tags (e.g., RFID or similar systems) are attached to or embedded on containers of theft chemicals of interest.
- ( ) Personnel monitor critical process equipment containing theft chemical of interest directly via patrols, CCTV, or other method to reduce the potential for tampering, sabotage or theft.
- ( ) Other
- ( ) None

If "Other" selected for Monitoring Theft COIs, please explain.

[Q:15.5-5743]

Physical Security of Theft COIs

[Q:15.5-5751]

- ( ) A locked rack or other physical means of securing man-portable containers of theft chemicals of interest is provided. The method(s) used are resistant to breach or tampering. Examples include chains and locks that cannot be cut or breached with man-powered tools, movement alarms on the containers, and entry/motion detectors and alarms for the buildings or rooms where the containers are stored.
- ( ) Other
- ( ) None

If "Other" selected for Physical Security of Theft COIs, please explain.

[Q:15.5-5752]

Vehicular Access

[Q:15.5-5753]

- ( ) Vehicle entry and egress to locations with theft COI is through a manned or monitored entry point.
- ( ) Other
- ( ) None

If "Other" selected for Vehicular Access, please explain.

[Q:15.5-5754]

Vehicle Inspections

[Q:15.5-5755]

- ( ) All vehicles are inspected upon egress from the facility or restricted area for theft chemicals.
- ( ) Vehicles are inspected upon egress from the facility or restricted area for theft chemicals on a random basis so that at least 10% of all vehicles are inspected for theft chemicals.
- ( ) Vehicles are inspected upon egress from the facility or restricted area for theft chemicals on a random basis so that at least 5% of all vehicles are inspected for theft chemicals.
- ( ) Other
- ( ) None

If "Other" selected for Vehicle Inspections, please explain.

[Q:15.5-5756]

Inventory Control

[Q:15.5-5757]

- ( ) The facility has an inventory control system for both man-portable and bulk theft COI. The inventory control system for theft COI stored in bulk can rapidly detect when theft COIs stored in bulk have been removed from their proper location. Examples of such systems include process controls that monitor the level, weight, volume, or other process parameters which measure the inventory of bulk-stored theft COIs. The inventory control system for man-portable containers of theft COI may rely on the monitoring of security measures described above to determine that theft COIs have been removed in an unauthorized manner.
- ( ) Other
- ( ) None

If "Other" selected for Inventory Control, please explain.

[Q:15.5-5758]

Tamper Evident Devices

[Q:15.5-5759]

- ( ) The facility employs tamper-evident seals for the vehicle valves and other appurtenances that can indicate if a shipment has been tampered with.
- ( ) Other
- ( ) None

If "Other" selected for Tamper Evident Devices, please explain.

[Q:15.5-5760]

Check if all the Theft and Diversion questions have been answered.

Theft and Diversion Completed [Q:15.5-5761] ☐

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Sabotage - Deter inside sabotage

Select from among the examples provided below any specific measures that are applicable to your facility. These examples are provided for your convenience, and you are not required to select any of these examples; instead you may select "Other" and provide a narrative description of any relevant measures that you believe address the issue posed, or you may select "None" if you believe that none of the examples provided apply to your facility and you have not described any other relevant measures.

Procedures

[Q:15.6-5762]

- ○ The facility has procedures in place to deter, detect, delay, and respond to sabotage, such as routine equipment inspections for tampering, awareness training, process safety measures, restricted access to sensitive areas, and protocols for verifying the identity and shipment orders of carriers who arrive to remove transportation containers of COI chemicals from the facility. These procedures enable the facility to detect sabotage before a COI is in transportation.
- ○ Other
- ○ None

If "Other" selected for Procedures, please explain.

[Q:15.6-5763]

Tamper Evident Devices

[Q:15.6-5764]

- ○ The facility utilizes active tamper-evident devices to secure target asset designated COI transportation containers. The devices(s) used are fairly resistant to breach or tampering and indicate when attempts to tamper with the containers has occurred. Examples include car seals or other tamper-indicating devices, physical locks on transportation container valves or access hatches/openings, chains and locks that cannot readily be cut or breached with man-powered tools, alarms on the valves or access hatches/openings of the transportation containers, entry/motion detectors and alarms for the buildings or rooms where the transportation containers are stored.
- ○ Other
- ○ None

If "Other" selected for Tamper Evident Devices, please explain.

[Q:15.6-5771]

Visitor Controls

[Q:15.6-5772]

- ○ The facility has documented and implemented strict visitor identification, escort, and control procedures that include verification of visitor background suitability or constant visitor escort by appropriately vetted personnel in restricted areas.
- ○ The facility has documented and implemented visitor identification, escort, and control procedures that include verification of visitor background suitability or constant visitor escort by appropriately vetted personnel in restricted areas.
- ○ The facility has documented and implemented visitor identification, escort, and control procedures.
- ○ The facility has implemented visitor identification, escort, and control procedures.
- ○ Other
- ○ None

If "Other" selected for Visitor Controls, please explain.

[Q:15.6-5773]

Check if all the Visitor Controls questions have been answered.

Sabotage Completed [Q:15.6-5774] ☐

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Are personnel allowed to carry portable cyber equipment into the facility (e.g., laptop computers, personnel digital assistants (PDA's), flash drives, data disks, smart cell phones, etc.)?

[Q:14.09-4151]

- ○ Yes
- ◉ No

Are employees screened at facility entrances for unauthorized equipment?

[Q:14.09-4152]

- ◉ Yes
- ○ No

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Has the personnel screening process been validated through testing by professional security services?

[Q:14.091-4153]

- ○ Yes
- ◉ No

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Select a cyber control system for evaluation.

Control System Name

[Q:14.1-4156]

Control System ☐ Describe: Control System

Have all cyber control systems been evaluated?

[Q:14.1-4157]

- (•) Yes
- ( ) No

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Asset Screening

Control System

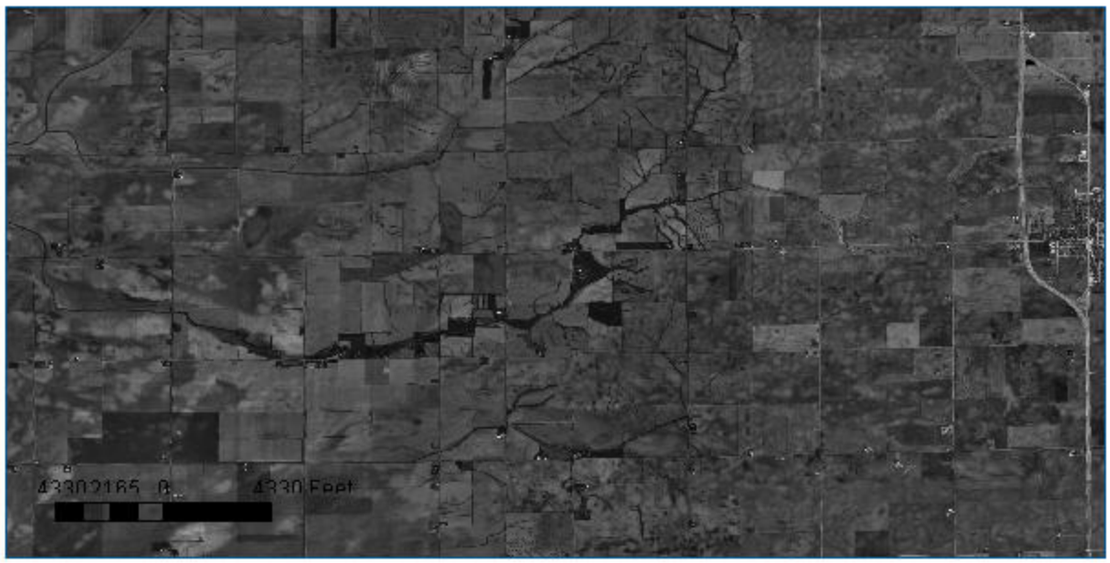
Identify the location of this asset. Click on "Locate Asset" and then click on the map to identify the location of the asset. Do not click "Next »" until the star appears showing the location of the asset.

Zoom In | Zoom Out | Pan | Full Extent | Locate Asset

Map Help

Click a button in the map toolbar to choose a tool. The tools may be used as follows:

Zoom In	Click and drag to create a rectangle around the area that you want to magnify.
Zoom Out	Click and drag to zoom out.
Pan	Click and drag to view other parts of the map without resizing. The map will move in the direction you drag.
Full Extent	Click the Full Extent button once to view the magnification that shows the entire map. At the full extent, you will not be able to zoom out further.
Locate Asset	Click on the map to identify the location of the asset.



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Control System

Watch Dog Systems

[Q:14.21-5851]

- ○ Watch dog systems used for select control systems (e.g., safety integrated systems (SIS)) are configured such that they have no unsecured remote access and no direct connections to the systems managing the processes they monitor.
- ○ Watch dog systems used for select control systems (e.g., safety integrated systems (SIS)) are configured such that they have no unsecured remote access and no unsecured direct connections to the systems managing the processes they monitor.
- ○ Other
- ○ None

If "Other" selected for Watch Dog Systems, please explain.

[Q:14.21-5852]

Check the box if the Cyber System Evaluation is completed.

Cyber Control System Completed [Q:14.21-5854] ☐

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Select a cyber business system for evaluation.

Business System Name

[Q:14.6-4171]

Business System ☑ Describe: Business System

Have all cyber business systems been evaluated?

[Q:14.6-4172]

- (•) Yes
- ( ) No

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Business System

Is this cyber system physically located at the facility?

[Q:14.61-4175]

- ○ Yes
- ◉ No

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Business System

Enter the cyber sytem location.

Location/Building Name [Q:14.62-4177]

Street [Q:14.62-4178]

City [Q:14.62-4179]

State [Q:14.62-4180]

ZIP Code [Q:14.62-4181]

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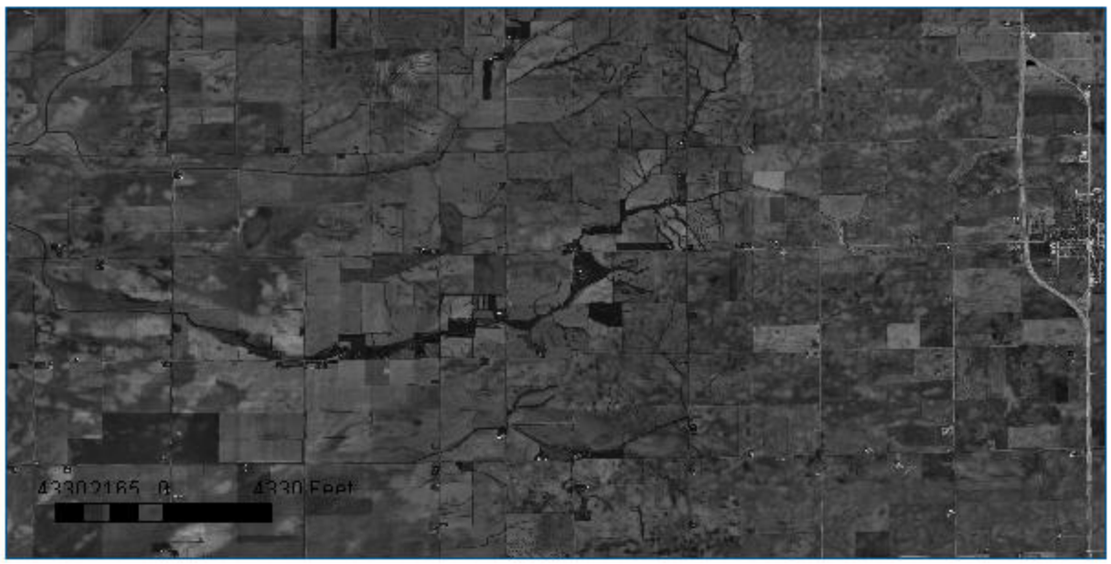
Asset Screening

Business System

Identify the location of this asset. Click on "Locate Asset" and then click on the map to identify the location of the asset. Do not click "Next »" until the star appears showing the location of the asset.

Zoom In | Zoom Out | Pan | Full Extent | Locate Asset

Map Help	
Click a button in the map toolbar to choose a tool. The tools may be used as follows:	
Zoom In	Click and drag to create a rectangle around the area that you want to magnify.
Zoom Out	Click and drag to zoom out.
Pan	Click and drag to view other parts of the map without resizing. The map will move in the direction you drag.
Full Extent	Click the Full Extent button once to view the magnification that shows the entire map. At the full extent, you will not be able to zoom out further.
Locate Asset	Click on the map to identify the location of the asset.



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Business System

Check the box if the Cyber System Evaluation is completed and then press **[Next]** to continue.

Cyber Business System Completed [Q:14.98-4755] ☑

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Cyber

Check if all the Cyber Security questions have been answered.

Cyber Security Completed [Q:14.081-5846] ☐

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Incident Response

Select from among the examples provided below any specific measures that are applicable to your facility. These examples are provided for your convenience, and you are not required to select any of these examples; instead you may select "Other" and provide a narrative description of any relevant measures that you believe address the issue posed, or you may select "None" if you believe that none of the examples provided apply to your facility and you have not described any other relevant measures.

Comprehensive Crisis Management Plan

[Q:15.7-5775]

○ The facility has a comprehensive crisis management plan that includes:

- Documented agreements and/or written procedures for emergency response, including offsite responder services such as ambulance support, explosive device disposal support, fire fighting support, and hazardous material spill/recovery support, and medical support.
- Roles and responsibilities for the crisis management team, the incident commander, the on-scene commander, operational control and timekeeping.
- Contingency plans, continuity of operations plan, emergency response plans, evacuation plans, media response plans, notification control and contact requirements, re-entry plans, and security response plans.
- Emergency safe shutdown procedures for all process units.

○ The facility has a comprehensive crisis management plan that includes:

- Documented agreements and/or written procedures for emergency response, including offsite responder services, such as ambulance support, explosive device disposal support, fire fighting support, and hazardous material spill/recovery support.
- Documented emergency response plans.

○ Other
○ None

If "Other" selected for Comprehensive Crisis Management Plan, please explain.

[Q:15.7-5776]

Communication Systems

[Q:15.7-5777]

○ The facility has a robust communications and emergency notification system with emergency back up power and/or an equivalent written contingency procedure in place that is designed, laid-out, and constructed to avoid common cause/dependent failures and equipped with redundant signal processing. A typical system includes:

- An emergency notification system (e.g., siren or other facility-wide alarm system).
- A redundant radio system that is interoperable with law enforcement and emergency response agencies.
- Other back up communications systems such as cell phones or desk phones.

○ The facility has a redundant communications system and an emergency notification system (e.g., siren or other facility-wide alarm system).
○ Other
○ None

If "Other" selected for Communication Systems, please explain.

[Q:15.7-5778]

Process Safeguards

[Q:15.7-5779]

○ All process units have an automated control system or other process safeguards to rapidly place designated COI asset equipment in a safe and stable condition, and procedures for their use in an emergency. Additionally, all process units have a procedure for safe shutdown in an emergency.
○ Other
○ None

If "Other" selected for Process Safeguards, please explain.

[Q:15.7-5780]

Outreach

[Q:15.7-5781]

○ The facility has an active outreach program to the community and local law enforcement and emergency responders. Examples of outreach activities include participation in LEPC (where local law enforcement is a LEPC member), CAP (where local law enforcement is a CAP member), BZPP activities, Neighborhood Watch Programs (where industry and businesses are included in these programs), or participation by the facility in security-related drills and exercises in conjunction with offsite responder organizations.
○ Other
○ None

If "Other" selected for Outreach, please explain.

[Q:15.7-5782]

Check if all the Incident and Response questions have been answered.

Incident and Response Completed [Q:15.7-5783] ☐

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Personnel Surety

Select from among the examples provided below any specific measures that are applicable to your facility. These examples are provided for your convenience, and you are not required to select any of these examples; instead you may select "Other" and provide a narrative description of any relevant measures that you believe address the issue posed, or you may select "None" if you believe that none of the examples provided apply to your facility and you have not described any other relevant measures.

Personnel Surety - Perform appropriate background checks on and ensure appropriate credentials for facility personnel, and as appropriate, for unescorted visitors with access to restricted areas or critical assets, including,

(i) measures designed to verify and validate identity
(ii) measures designed to check criminal history
(iii) measures designed to verify and validate legal authorization to work
(iv) measures designed to identify people with terrorist ties

New/Prospective Employees

[Q:15.8-5791]

- ○ The facility conducts pre-employment background investigations on all prospective employees and resident contractors and issues access authorization to the facility only after appropriate background checks have been successfully completed.
- ○ The facility conducts pre-employment background investigations on all prospective employees and resident contractors and issues access authorization to restricted areas only after appropriate background checks have been successfully completed.
- ○ Other
- ○ None

If "Other" selected for New/Prospective Employees, please explain.

[Q:15.8-5792]

Existing Employees

[Q:15.8-5793]

- ○ All existing employees undergo background suitability investigations within three years from the date of the enactment of the final CFATS regulations and investigations are repeated for all individuals every five years thereafter.
- ◉ All existing employees with unescorted access to restricted areas undergo background suitability investigations within three years from the date of the enactment of the final CFATS regulations and investigations are repeated for all individuals every five years thereafter.
- ○ Other
- ○ None

If "Other" selected for Existing Employees, please explain.

[Q:15.8-5794]

Contents of Background Checks

[Q:15.8-5795]

- ○ The background checks are conducted in accordance with requirements established by the SSO or corporate requirements, and include, at a minimum, a check of criminal history.
- ○ Other
- ○ None

If "Other" selected for Contents of Background Checks, please explain.

[Q:15.8-5796]

Adjudication Process

[Q:15.8-5797]

- ○ The facility has a documented adjudication process that identifies grounds for denying access or employment to individuals when background checks reveal significant anomalies.
- ○ Other
- ○ None

If "Other" selected for Adjudication Process, please explain.

[Q:15.8-5798]

Audit

[Q:15.8-5799]

- ○ The background check program is audited annually.
- ○ Other
- ○ None

If "Other" selected for Audit, please explain.

[Q:15.8-5800]

Check if all the Audit questions have been answered.

Audit Completed [Q:15.8-5801] ☐

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Asset-Specific Security Measures

Select the Critical Assets with unique security measures that were not reported for the facility as a whole.

Critical Asset Name

[Q:14.01-5052]

Pot Crit Asset

Describe: Pot Crit Asset

Have all asset-specific security measures been evaluated?

[Q:14.01-5053]

- (•) Yes
- ( ) No

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Asset-Specific Security Measures

Pot Crit Asset

Secure Site Assets - Secure and monitor restricted areas or potentially critical targets within the facility.

Select from among the examples provided below any specific measures that are applicable to your facility. These examples are provided for your convenience, and you are not required to select any of these examples; instead you may select "Other" and provide a narrative description of any relevant measures that you believe address the issue posed, or you may select "None" if you believe that none of the examples provided apply to your facility and you have not described any other relevant measures.

Asset Perimeter Barrier

[Q:14.03-5802]

- ○ To protect assets, the facility has an internal perimeter barrier that severely restricts or delays any attempts by unauthorized persons to gain access to the facility, such as security fence or equivalent barrier that meets industrial consensus standards (e.g., a 7-foot chain link fence plus a 1 foot top guard of barbed wire).
- ○ Other
- ○ None

If "Other' selected for Asset Perimeter Barriers, please explain.

[Q:14.03-5803]

Asset Vehicle Barriers

[Q:14.03-5804]

- ○ Vehicles would have a very low likelihood of accessing the target asset by force. To achieve this, a facility is likely to use vehicle deterrence measures such as bollards, berms, landscaping, ditches, drainage swales, or buried concrete anchors retaining anti-vehicle cable wherever the perimeter is accessible to a vehicle
- ○ Vehicles would have a low likelihood of accessing the target asset by force. To achieve this, a facility is likely to use vehicle deterrence measures such as bollards, berms, landscaping, ditches, drainage swales, or buried concrete anchors retaining anti-vehicle cable wherever the perimeter is accessible to a vehicle
- ○ Other
- ○ None

If "Other" selected for Asset Vehicle Barriers, please explain.

[Q:14.03-5805]

Asset Standoff Distance

[Q:14.03-5806]

- ○ Sufficient vehicle standoff distance is provided to ensure that vehicle-borne improvised explosive devices will not cause a breach of containment resulting in an uncontrolled release of a chemical of interest from the nearest point of attack.
- ○ Other
- ○ None

If "Other" selected for Asset Standoff Distance, please explain.

[Q:14.03-5807]

Monitoring and Surveillance

[Q:14.03-5808]

- ○ A combination of robust, highly reliable technical security devices (e.g., special access controls, sensors, video), security patrols, and other monitoring systems are used to protect and continuously monitor chemicals of interest and critical asset locations (including loading and unloading areas, critical valves, pipelines, manifolds, control rooms, and storage facilities) to detect attempts to gain unauthorized access, tampering, attempted sabotage, or theft or unauthorized removal of regulated materials. To achieve this, a facility typically will use a combination of:

  - Posted security personnel or frequent security patrols.
  - An integrated, multi-sensor system that provides intrusion detection and video surveillance around 100% of the perimeter of the critical assets, has emergency back up power and/or an equivalent written contingency procedure, and whose images are continuously monitored by a dedicated persons, software, or other detection methods used in conjunction with the system.
  - General area as well as access portal (face view) CCTV surveillance at all gates.

- ○ Reliable technical security devices (e.g., special access controls, sensors, video), security personnel, and/or monitoring systems are used to protect and continuously monitor hazardous materials, chemicals of interest, and critical asset locations (including loading and unloading areas, critical valves, pipelines, manifolds, control rooms, and storage facilities) to detect attempts to gain unauthorized access, tampering, attempted sabotage, or theft or unauthorized removal of regulated materials. To achieve this, a facility typically will use a combination of:

  - Frequent security patrols.
  - An integrated monitoring system that provides intrusion detection and video surveillance around designated COI target areas, has emergency back up power and/or an equivalent written contingency procedure, and whose images are continuously monitored by a dedicated person, software, or other detection methods used in conjunction with the system.

- ○ Technical security devices (e.g., special access controls, sensors, video), security personnel, and/or monitoring systems are used to protect and monitor hazardous materials, chemicals of interest, and critical asset locations (including loading and unloading areas) to detect attempts to gain unauthorized access, tampering, attempted sabotage, or theft or unauthorized removal of regulated materials. To achieve this, a facility typically will use periodic security patrols or an integrated monitoring system that provides intrusion detection and video surveillance around designated COI target areas and has emergency back up power and/or an equivalent written contingency procedure.
- ○ Other
- ○ None

If "Other" selected for Monitoring and Surveillance, please explain.

[Q:14.03-5809]

Check if all the Secure Site Assets questions have been answered.

Secure Site Assets Completed [Q:14.03-5810] ☐

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ANL Test Facility14

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Survey Completion

Based on the information supplied, the {The value displayed here will be derived based on user input} may be covered by the Department of Homeland Security under Section 550 of the Homeland Security Appropriations Act of 2007. You will be mailed a letter that will identify your facility's regulatory status. If you are regulated it will indicate the final tier of {The value displayed here will be derived based on user input} and specific security issues that need to be addressed in the SSP required under Section 550.

Press the **[Next]** button to continue the submittal process. You will have an opportunity to validate and print your survey before it is submitted to DHS.

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Finish

DHS Communications

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

Preparer Copy

Do you want a copy of the letter with the final tiering to be sent to the Preparer in addition to the Submitter?

[Q:1.92-5292]

- ○ Yes
- ◉ No

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