Chemical Security Assessment Tool (CSAT)
Security Vulnerability Assessment (SVA)

Mike's SVA Demo

General

Potential Issues

Cyber Business Systems

Cyber Process Controls

Asset Screening

View Summary Report

Validate Report

Logout

Potential Issues

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Did the SVA notification letter indicate that the facility should address security issues related to release of toxic chemicals?

[Q:2.0-971]

○ Yes

◉ No

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Potential Issues

Select the toxic chemicals of concern that are listed in the letter.

[Q:2.01-1037]

Chemical Name	CAS#	Threshold		
Acrolein [2-Propenal]	107-02-8	3,750 lbs	○ Yes	⦿ No
Allyl alcohol [2-Propen-1-ol]	107-18-6	11,250 lbs	○ Yes	⦿ No
Ammonia (anhydrous)	7664-41-7	7,500 lbs	⦿ Yes	○ No
Ammonia (conc. 20% or greater) relative density less than 0.880 at 15 degrees C in water, with more than 50 percent ammonia	7664-41-7	15,000 lbs	○ Yes	⦿ No
Arsenous trichloride [Arsenic trichloride]	7784-34-1	11,250 lbs	○ Yes	⦿ No
Arsine	7784-42-1	750 lbs	○ Yes	⦿ No
Boron trichloride [Borane, trichloro]	10294-34-5	3,750 lbs	○ Yes	⦿ No
Boron triflouride [Borane, triflouro]	7637-07-2	3,750 lbs	○ Yes	⦿ No
Boron triflouride compound with methyl ether (1:1) [Boron, triflouro [oxybis (methane)]-,T-4-]	353-42-4	11,250 lbs	○ Yes	⦿ No
Bromine	7726-95-6	7,500 lbs	○ Yes	⦿ No
Carbon disulfide	75-15-0	15,000 lbs	○ Yes	⦿ No
Chlorine	7782-50-5	1,875 lbs	○ Yes	⦿ No
Chlorine dioxide [Chlorine oxide, (ClO_2)]	10049-04-4	2,000 lbs	○ Yes	⦿ No
Chloroform [Methane, trichloro-]	67-66-3	15,000 lbs	○ Yes	⦿ No
Chloromethyl ether [Methane, oxybis(chloro-)]	542-88-1	750 lbs	○ Yes	⦿ No
Chloromethyl methyl ether [Methane, chloromethoxy-]	107-30-2	3,750 lbs	○ Yes	⦿ No

Cyanogen chloride	506-77-4	7,500 lbs	○ Yes	⦿ No
Cyclohexylamine [Cyclohexanamine]	108-91-8	11,250 lbs	○ Yes	⦿ No
Diborane	19287-45-7	1,875 lbs	○ Yes	⦿ No
Epichlorohydrin [Oxirane, (chloromethyl)-]	106-89-8	15,000 lbs	○ Yes	⦿ No
Ethylenediamine [1,2-Ethanediamine]	107-15-3	15,000 lbs	○ Yes	⦿ No
Fluorine	7782-41-4	750 lbs	○ Yes	⦿ No
Formaldehyde (solution)	50-00-0	11,250 lbs	○ Yes	⦿ No
Hydrochloric acid (conc. 37% or greater)	7647-01-0	11,250 lbs	○ Yes	⦿ No
Hydrocyanic acid	74-90-8	1,875 lbs	○ Yes	⦿ No
Hydrogen chloride (anhydrous) [Hydrochloric acid]	7647-01-0	3,750 lbs	○ Yes	⦿ No
Hydrogen fluoride/Hydrofluoric acid (conc. 50% or greater) [Hydrofluoric acid]	7664-39-3	750 lbs	○ Yes	⦿ No
Hydrogen sulfide	7783-06-4	7,500 lbs	○ Yes	⦿ No
Isobutyronitrile [Propanenitrile, 2-methyl-]	78-82-0	15,000 lbs	○ Yes	⦿ No
Isopropyl chloroformate [Carbonochloridic acid, 1-methylethyl ester]	108-23-6	11,250 lbs	○ Yes	⦿ No
Methacrylonitrile [2-Propenenitrile, 2-methyl-]	126-98-7	7,500 lbs	○ Yes	⦿ No
Methyl hydrazine [Hydrazine, methyl-]	60-34-4	11,250 lbs	○ Yes	⦿ No
Methyl isocyanate [Methane, isocyanato-]	624-83-9	11,250 lbs	○ Yes	⦿ No
Methyl thiocyanate [Thiocyanic acid, methyl ester]	556-64-9	15,000 lbs	○ Yes	⦿ No
Nitric acid	7697-37-2	11,250 lbs	○ Yes	⦿ No
Nitric oxide [Nitrogen oxide (NO)]	10102-43-9	7,500 lbs	○ Yes	⦿ No
Oleum (Fuming Sulfuric acid) [Sulfuric acid, mixture with sulfur trioxide]	8014-95-7	7,500 lbs	○ Yes	⦿ No
Perchloromethylmercaptan [Methanesulfenyl chloride trichloro-]	594-42-3	7,500 lbs	○ Yes	⦿ No

Phosgene [Carbonic dichloride]	75-44-5	375 lbs	○ Yes	◉ No
Phosphorus oxychloride [Phosphoryl chloride]	10025-87-3	3,750 lbs	○ Yes	◉ No
Phosphorus trichloride [Phosphorous trichloride]	7719-12-2	11,250 lbs	○ Yes	◉ No
Propionitrile [Propanenitrile]	107-12-0	7,500 lbs	○ Yes	◉ No
Propyleneimine [Aziridine, 2-methyl-]	75-55-8	7,500 lbs	○ Yes	◉ No
Sulfur dioxide (anhydrous)	7446-09-5	3,750 lbs	○ Yes	◉ No
Sulfur tetraflouride [Sulfur flouride (SF_4), (T-4)-]	7783-60-0	1,875 lbs	○ Yes	◉ No
Sulfur trioxide	7446-11-9	7,500 lbs	○ Yes	◉ No
Tetramethyllead [Plumbane, tetramethyl-]	75-74-1	7,500 lbs	○ Yes	◉ No
Titanium tetrachloride [Titanium chloride ($TiCl_4$) (T-4)-]	7550-45-0	2,000 lbs	○ Yes	◉ No
Toluene 2,4-diisocyanate [Benzene, 2,4-diisocyanato-1-methyl-]	584-84-9	7,500 lbs	○ Yes	◉ No
Toluene 2,6-diisocyanate [Benzene, 1,3-diisocyanato-2-methyl-]	91-08-7	7,500 lbs	○ Yes	◉ No
Toluene diisocyanate (unspecified isomer) [Benzene, 1,3-diisocyanatomethyl-]	26471-62-5	7,500 lbs	○ Yes	◉ No

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Did the SVA notification letter indicate that the facility should address security issues related to release of flammable materials?

[Q:2.1-972]

○ Yes
○ No

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Select the flammable materials of concern that are listed in the letter.

[Q:2.11-1038]

Chemical Name	CAS#	Threshold		
1,1-Dimethylhydrazine [Hydrazine, 1, 1-dimethyl-]	57-14-7	11,250 lbs	⦿ Yes	○ No
1,3-Butadiene	106-99-0	7,500 lbs	⦿ Yes	○ No
1,3-Pentadiene	504-60-9	7,500 lbs	⦿ Yes	○ No
1-Butene	106-98-9	7,500 lbs	⦿ Yes	○ No
1-Chloropropylene [1-Propene, 1-chloro-]	590-21-6	7,500 lbs	⦿ Yes	○ No
1-Pentane	109-67-1	7,500 lbs	⦿ Yes	○ No
2,2-Dimethylpropane [Propane, 2,2-dimethyl-]	463-82-1	7,500 lbs	⦿ Yes	○ No
2-Butene	107-01-7	7,500 lbs	○ Yes	○ No
2-Butene-cis	590-18-1	7,500 lbs	○ Yes	○ No
2-Butene-trans [2-Butene, (E)]	624-64-6	7,500 lbs	○ Yes	○ No
2-Chloropropylene [1-Propene, 2-chloro-]	557-98-2	7,500 lbs	○ Yes	○ No
2-Methyl-1-butene	563-46-2	7,500 lbs	○ Yes	○ No
2-Methylpropene [1-Propene, 2-methyl-]	115-11-7	7,500 lbs	○ Yes	○ No
2-Pentene, (Z)-	627-20-3	7,500 lbs	○ Yes	○ No
2-Pentene,(E)-	646-04-8	7,500 lbs	○ Yes	○ No
3-Methyl-1-butene	563-45-1	7,500 lbs	○ Yes	○ No
Acetaldehyde	75-07-0	7,500 lbs	○ Yes	○ No
Acetylene [Ethyne]	74-86-2	7,500 lbs	○ Yes	○ No
Acrylonitrile [2-Propenenitrile]	107-13-1	15,000 lbs	○ Yes	○ No
Acrylyl chloride [2-Propenoyl chloride]	814-68-6	7,500 lbs	○ Yes	○ No

Select the flammable materials of concern that are listed in the letter.

[Q:2.11-1038]

Chemical Name	CAS#	Threshold		
1,1-Dimethylhydrazine [Hydrazine, 1, 1-dimethyl-]	57-14-7	11,250 lbs	● Yes	○ No
1,3-Butadiene	106-99-0	7,500 lbs	○ Yes	○ No
1,3-Pentadiene	504-60-9	7,500 lbs	○ Yes	○ No
1-Butene	106-98-9	7,500 lbs	○ Yes	○ No
1-Chloropropylene [1-Propene, 1-chloro-]	590-21-6	7,500 lbs	○ Yes	○ No
1-Pentane	109-67-1	7,500 lbs	○ Yes	○ No
2,2-Dimethylpropane [Propane, 2,2-dimethyl-]	463-82-1	7,500 lbs	○ Yes	○ No
2-Butene	107-01-7	7,500 lbs	○ Yes	○ No
2-Butene-cis	590-18-1	7,500 lbs	○ Yes	○ No
2-Butene-trans [2-Butene, (E)]	624-64-6	7,500 lbs	○ Yes	○ No
2-Chloropropylene [1-Propene, 2-chloro-]	557-98-2	7,500 lbs	○ Yes	○ No
2-Methyl-1-butene	563-46-2	7,500 lbs	○ Yes	○ No
2-Methylpropene [1-Propene, 2-methyl-]	115-11-7	7,500 lbs	○ Yes	○ No
2-Pentene, (Z)-	627-20-3	7,500 lbs	○ Yes	○ No
2-Pentene,(E)-	646-04-8	7,500 lbs	○ Yes	○ No
3-Methyl-1-butene	563-45-1	7,500 lbs	○ Yes	○ No
Acetaldehyde	75-07-0	7,500 lbs	○ Yes	○ No
Acetylene [Ethyne]	74-86-2	7,500 lbs	○ Yes	○ No
Acrylonitrile [2-Propenenitrile]	107-13-1	15,000 lbs	○ Yes	○ No
Acrylyl chloride [2-Propenoyl chloride]	814-68-6	7,500 lbs	○ Yes	○ No
Allylamine [2-Propen-1-amine]	107-11-9	7,500 lbs	○ Yes	○ No

Chemical	CAS	Threshold	Yes	No
Bromotrifluorethylene [Ethene, bromotrifluoro-]	598-73-2	7,500 lbs	○ Yes	○ No
Butane	106-97-8	7,500 lbs	○ Yes	○ No
Butene	25167-67-3	7,500 lbs	○ Yes	○ No
Carbon oxysulfide [a.k.a Carbon oxide sulfide (COS); carbonyl sulfide]	463-58-1	7,500 lbs	○ Yes	○ No
Chlorine monoxide [Chlorine oxide]	7791-21-1	7,500 lbs	○ Yes	○ No
Crotonaldehyde [2-Butenal]	4170-30-3	15,000 lbs	○ Yes	○ No
Crotonaldehyde, (E)- [2-Butenal], (E)-]	123-73-9	15,000 lbs	○ Yes	○ No
Cyanogen [Ethanedinitrile]	460-19-5	7,500 lbs	○ Yes	○ No
Cyclopropane	75-19-4	7,500 lbs	○ Yes	○ No
Dichlorosilane [Silane, dichloro-]	4109-96-0	7,500 lbs	○ Yes	○ No
Difluoroethane [Ethane, 1,1-difluoro-]	75-37-6	7,500 lbs	○ Yes	○ No
Dimethylamine [Methanamine, N-methyl-]	124-40-3	7,500 lbs	○ Yes	○ No
Dimethyldichlorosilane [Silane, dichlorodimethyl-]	75-78-5	7,500 lbs	○ Yes	○ No
Ethane	74-84-0	7,500 lbs	○ Yes	○ No
Ethyl acetylene [1-Butyne]	107-00-6	7,500 lbs	○ Yes	○ No
Ethyl chloride Ethyl chloride [Ethane, chloro-]	75-00-3	7,500 lbs	○ Yes	○ No
Ethyl ether Ethyl ether [Ethane, 1,1-oxybis-]	60-29-7	7,500 lbs	○ Yes	○ No
Ethyl mercaptan Ethyl mercaptan [Ethanethiol]	75-08-1	7,500 lbs	○ Yes	○ No
Ethyl nitrite Ethyl nitrite [Nitrous acid, ethyl ester]	109-95-5	7,500 lbs	○ Yes	○ No
Ethylamine Ethylamine [Ethanamine]	75-04-7	7,500 lbs	○ Yes	○ No
Ethylene Ethylene [Ethene]	74-85-1	7,500 lbs	○ Yes	○ No
Ethylene oxide Ethylene oxide [Oxirane]	75-21-8	7,500 lbs	○ Yes	○ No

Chemical	CAS	Threshold	Yes	No
Ethyleneimine Ethyleneimine [Aziridine]	151-56-4	7,500 lbs	○ Yes	○ No
Furan	110-00-9	7,500 lbs	○ Yes	○ No
Hydrazine	302-01-2	11,250 lbs	○ Yes	○ No
Hydrogen	1333-74-0	7,500 lbs	○ Yes	○ No
Hydrogen selenide	7783-07-5	7,500 lbs	○ Yes	○ No
Iron, pentacarbonyl- [Iron carbonyl (Fe (CO)$_5$), (TB5-11)-]	13463-40-6	7,500 lbs	○ Yes	○ No
Isobutane [Propane, 2-methyl]	75-28-5	7,500 lbs	○ Yes	○ No
Isopentane [Butane, 2-methyl-]	78-78-4	7,500 lbs	○ Yes	○ No
Isoprene [1,3-Butadiene, 2-methyl-]	78-79-5	7,500 lbs	○ Yes	○ No
Isopropyl chloride [Propane, 2-chloro-]	75-29-6	7,500 lbs	○ Yes	○ No
Isopropylamine [2-Propanamine]	75-31-0	7,500 lbs	○ Yes	○ No
Methane	74-82-8	7,500 lbs	○ Yes	○ No
Methyl chloride [Methane, chloro-]	74-87-3	7,500 lbs	○ Yes	○ No
Methyl chloroformate [Carbonchloridic acid, methylester]	79-22-1	7,500 lbs	○ Yes	○ No
Methyl ether [Methane, oxybis-]	115-10-6	7,500 lbs	○ Yes	○ No
Methyl formate [Formic acid Methyl ester]	107-31-3	7,500 lbs	○ Yes	○ No
Methyl mercaptan [Methanethiol]	74-93-1	7,500 lbs	○ Yes	○ No
Methylamine [Methanamine]	74-89-5	7,500 lbs	○ Yes	○ No
Methyltrichlorosilane [Silane, trichloromethyl-]	75-79-6	7,500 lbs	○ Yes	○ No
Nickel Carbonyl	13463-39-3	7,500 lbs	○ Yes	○ No
Pentane	109-66-0	7,500 lbs	○ Yes	○ No
Peracetic acid [Ethaneperoxic acid]	79-21-0	7,500 lbs	○ Yes	○ No
Phosphine	7803-51-2	7,500 lbs	○ Yes	○ No

Piperidine	110-89-4	11,250 lbs	⭕ Yes	⭕ No
Propadiene [1,2-Propadiene]	463-49-0	7,500 lbs	⭕ Yes	⭕ No
Propane	74-98-6	7,500 lbs	⭕ Yes	⭕ No
Propyl chlorofromate [Carbonchloridic acid, propylester]	109-61-5	11,250 lbs	⭕ Yes	⭕ No
Propylene [1-Propene]	115-07-1	7,500 lbs	⭕ Yes	⭕ No
Propylene oxide [Oxirane, methyl-]	75-56-9	7,500 lbs	⭕ Yes	⭕ No
Propyne [1-Propyne]	74-99-7	7,500 lbs	⭕ Yes	⭕ No
Silane	7803-62-5	7,500 lbs	⭕ Yes	⭕ No
Tetrafluoroethylene [Ethene, tetrafluoro-]	116-14-3	7,500 lbs	⭕ Yes	⭕ No
Tetramethylsilane [Silane, tetramethyl-]	75-76-3	7,500 lbs	⭕ Yes	⭕ No
Tetranitromethane [Methane, tetranitro-]	509-14-8	7,500 lbs	⭕ Yes	⭕ No
Trichlorosilane [Silane, trichloro-]	10025-78-2	7,500 lbs	⭕ Yes	⭕ No
Trifluorochloroethylene [Ethene, chlorotrifluoro]	79-38-9	7,500 lbs	⭕ Yes	⭕ No
Trimethylamine [Methanamine, N,N-dimethyl-]	75-50-3	7,500 lbs	⭕ Yes	⭕ No
Trimethylchlorosilane [Silane, chlorotrimethyl-]	75-77-4	7,500 lbs	⭕ Yes	⭕ No
Vinyl acetate monomer [Acetic acid ethenyl ester]	108-05-4	11,250 lbs	⭕ Yes	⭕ No
Vinyl actylene [1-Buten-3-yne]	689-97-4	7,500 lbs	⭕ Yes	⭕ No
Vinyl chloride [Ethene, chloro-]	75-01-4	7,500 lbs	⭕ Yes	⭕ No
Vinyl ethyl ether [Ethene, ethoxy-]	109-92-2	7,500 lbs	⭕ Yes	⭕ No
Vinyl fluoride [Ethene, fluoro-]	75-02-5	7,500 lbs	⭕ Yes	⭕ No
Vinyl methyl ether [Ethene, methoxy-]	107-25-5	7,500 lbs	⭕ Yes	⭕ No

Vinylidene chloride [Ethene, 1,1-dichloro-]	75-35-4	7,500 lbs	○ Yes ○ No
Vinylidene fluoride [Ethene, 1,1-difluoro-]	75-38-7	7,500 lbs	○ Yes ○ No

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Did the SVA notification letter indicate that the facility should address security issues related to release of explosive materials?

[Q:2.2-991]

○ Yes
○ No

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Did the SVA notification letter indicate that the facility should address security issues related to theft or diversion of materials?

[Q:2.3-992]

○ Yes
○ No

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Did the SVA notification letter indicate that the facility should address security issues related to sabotage/contamination materials?

[Q:2.4-993]

○ Yes
○ No

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Did the SVA notification letter indicate that the facility should address security issues related to economic impacts?

[Q:2.5-994]

○ Yes
○ No

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Is the facility located on a navigable waterway?

[Q:2.8-999]

- ○ Yes
- ⦿ No

Is the facility in a strategic port (as defined by the Maritime Administration)?

[Q:2.8-1000]

- ○ Yes
- ○ No

Is the facility site easy to access for the purpose of an attack?

[Q:2.8-1001]

- ○ Yes
- ○ No

Would visible security measures at the facility be a deterrent against an attack (i.e., would the effectiveness of access control procedures, illumination, vehicle searches, etc. tend to convince a potential adversary to select an alternative target)?

[Q:2.8-1002]

- ○ Yes
- ○ No

Does the facility have publicly accessible vantage points (e.g., highway overpass) that would facilitate either a direct or a stand-off attack on the facility?

[Q:2.8-1003]

- ○ Yes
- ○ No

Have potential adversaries publicly or privately identified the facility or company as a target)?

[Q:2.8-1004]

- ○ Yes
- ○ No

Is the company that owns the facility well-known nationally or internationally?

[Q:2.8-1005]

- ○ Yes
- ○ No

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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:2.9-1006]

- ⦿ Yes
- ○ No

Are employees screened at facility entrances for unauthorized equipment and has that process been validated through testing by professional security services?

[Q:2.9-1007]

- ○ Yes
- ○ No

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

[Q:2.91-1008]

- ○ Yes
- ○ No

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Cyber Business Systems

Does the facility have any cyber business systems?

[Q:3.1-1011]

- ⦿ Yes
- ○ No

List all cyber business systems by name.

[Q:3.2-1031]

Cyber System Name

| Cyber System | Delete | Provide Cyber System Detail Information |
| | Add | |

Have all cyber business systems been evaluated?

[Q:3.2-1991]

○ Yes
◉ No

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Cyber System

Enter Cyber business system description

Cyber System

Is external access allowed (e.g., Internet, modem, wireless) to cyber systems?

[Q:3.31-1033]

- ⦿ Yes
- ◯ No

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Are the capabilities of the cyber systems limited in your facility in regard to communications with portable cyber equipment (authorized or not) (e.g. laptop computers, personal digital assistants (PDA's), flash drives, data disks, smart cell phones)?

[Q:3.33-1035]

- ● Yes
- ○ No

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Has the disabling of communication capabilities been validated through testing by a professional IT security service?

[Q:3.34-1036]

- ○ Yes
- ○ No

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Cyber System

Security Policy

Does your facility have documented and distributed cyber security policies, plans and supporting procedures commensurate with the current information technology operating environment?

[Q:3.35-1051]

[▼]

Does your facility have a documented and distributed cyber change management policy and supporting procedures (e.g., new hardware/software, employee access)?

[Q:3.35-1071]

[▼]

Have you designated an individual(s) to be responsible for cyber security at your facility?

[Q:3.35-1072]

[▼]

Access Control

Do you allow systems in your facility to have external connections with portable electronic devices configured for minimum business needs and verified with scans?

[Q:3.35-2811]

○ external connections with or without portable electronic devices, and/or not configured for minimum business needs, and/or not verified with scans
○ no external connections, no portable electronic devices allowed, systems block external devices and media, and verified with scans
○ external connections are configured for minimum business needs and verified with scans, no portable electronic devices allowed, systems block external devices and media, and verified with scans
○ external connections with portable electronic devices allowed - configured for minimum business needs and verified with scans
○ other

Do you practice the concept of least privilege (e.g., users are only granted access to those files and applications based on role and responsibilities)?

[Q:3.35-1092]

[▼]

Have all default passwords been changed?

[Q:3.35-1093]

[▼]

Are accounts locked out after several unsuccessful login attempts?

[Q:3.35-1094]

[▼]

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Personnel Security

Do you perform background checks for personnel in critical/sensitive positions?

[Q:3.39-1100]

[▼]

Do you actively maintain the access control list to ensure that all accounts are modified, deleted, or de-activated as personnel leave the company or transfer into new roles?

[Q:3.39-1101]

[▼]

Physical and Environmental

Do you restrict physical access to sensitive or restricted IT, telecommunications, media storage and control areas to those with appropriate need?

[Q:3.39-1105]

[▼]

Awareness and Training

Do you provide cyber security training?

[Q:3.39-1107]

[▼]

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Monitoring and Incident Response

Do you log cyber security events on systems and review them on a regular basis?

[Q:3.4-1151]

[_____ ▼]

Do you log cyber security events on servers, and do you review them on a regular basis?

[Q:3.4-2831]

[_____ ▼]

Do you report significant cyber security events to your senior management?

[Q:3.4-1152]

[_____ ▼]

Do the facility mandate malicious code protection on all systems?

[Q:3.4-1153]

[_____ ▼]

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Cyber System

Does the cyber system allow email?

[Q:3.42-1173]

- ⦿ Yes
- ◯ No

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Are e-mail attachments (e.g., executable files) filtered on incoming e-mail?

[Q:3.43-1174]

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Configuration Management

Has a business requirement been established for every external connection into the network/ environment, including wireless and modem connections?

[Q:3.46-1191]

[____ ▼]

Do you apply/perform regular software and hardware, patches, updates, upgrades, and replacements?

[Q:3.46-1192]

[____ ▼]

Are configuration changes to your network and applications hardware and software reviewed by an IT security professional and by management to assess the security impact prior to the changes being implemented to the operational environment?

[Q:3.46-1193]

[_____ ▼]

Risk and Vulnerability Management

Have potential vulnerabilities of your critical assets, systems, and networks been identified and evaluated?

[Q:3.46-2832]

[_____ ▼]

Do you have a means to identify and measure cyber security risk (including requirements, processes, and procedures) that is based on recognized cyber security methodologies, standards, or best practices?

[Q:3.46-1195]

[____ ▼]

Are network and system (application) level security tests performed (vulnerability scans, penetration tests, open communication line scans, authorized hardware and software scans) on a regular basis; and after configuration changes or being patched or upgraded - before being put into operation?

[Q:3.46-2833]

- ○ partial or not at all
- ○ Network and applications monthly or more often; and after all configuration changes, patches, and upgrades
- ○ Network and applications quarterly or longer; and after all configuration changes, patches, and upgrades
- ○ Network and applications after all configuration changes, patches, and upgrades, but not on a regularly scheduled basis
- ○ Network and applications monthly or more often
- ○ Network and applications quarterly or longer

Have you incorporated the vulnerability solutions that are applicable and appropriate for your environment (e.g., are firewalls configured for minimum business or operational needs)?

[Q:3.46-2834]

[_____ ▼]

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List all cyber business systems by name.

[Q:3.2-1031]

Cyber System Name

| Cyber System | Delete | Provide Cyber System Detail Information |

| | Add | |

Have all cyber business systems been evaluated?

[Q:3.2-1991]

○ Yes
◉ No

« Back   Next »

Cyber Process Controls

Does the facility have any cyber control systems?

[Q:4.6-1456]

- ◉ Yes
- ○ No

List all cyber control systems by name.

[Q:4.61-1457]

Cyber Control System Name

| Cyber Control System | **Delete** | **Provide Cyber Control System Detail Information** |

| | **Add** |

Have all cyber control systems been evaluated?

[Q:4.61-1992]

○ Yes

○ No

« Back   **Next »**

Cyber Control System

Enter Cyber Control system description

« Back   Next »

Cyber Control System

Is external access allowed (e.g., Internet, modem, wireless) to cyber systems?

[Q:4.71-1614]

- ⦿ Yes
- ○ No

« Back   Next »

Has the lack of external access been validated through testing by IT security professional services?

[Q:4.72-1633]

- ○ Yes
- ○ No

« Back   Next »

Are the capabilities of the cyber systems limited in your facility in regard to communications with portable cyber equipment (authorized or not) (e.g. laptop computers, personal digital assistants (PDA's), flash drives, data disks, smart cell phones)?

[Q:4.73-1635]

○ Yes
○ No

« Back   Next »

Has the disabling of communication capabilities been validated through testing by a professional IT security service?

[Q:4.74-1637]

○ Yes
○ No

« Back   Next »

Security Policy

Does your facility have documented and distributed cyber security policies, plans and supporting procedures commensurate with the current information technology operating environment?

[Q:4.75-1692]

[dropdown]

Does your facility have a documented and distributed cyber change management policy and supporting procedures (e.g., new hardware/software, employee access)?

[Q:4.75-1693]

[dropdown]

Have you designated an individual(s) to be responsible for cyber security at your facility?

[Q:4.75-1694]

[dropdown]

Access Control

Do you allow systems in your facility to have external connections with portable electronic devices configured for minimum business needs and verified with scans?

[Q:4.75-2851]

○ external connections with or without portable electronic devices, and/or not configured for minimum business needs, and/or not verified with scans

○ no external connections, no portable electronic devices allowed, systems block external devices and media, and verified with scans

○ external connections are configured for minimum business needs and verified with scans, no portable electronic devices allowed, systems block external devices and media, and verified with scans

○ external connections with portable electronic devices allowed - configured for minimum business needs and verified with scans

○ other

Do you practice the concept of least privilege (e.g., users are only granted access to those files and applications based on role and responsibilities)?

[Q:4.75-1695]

[dropdown]

Have all default passwords been changed?

[Q:4.75-1696]

[dropdown]

Are accounts locked out after several unsuccessful login attempts?

[Q:4.75-1697]

[dropdown]

« Back   Next »

Personnel Security

Do you perform background checks for personnel in critical/sensitive positions?

[Q:4.79-1719]

[▼]

Do you actively maintain the access control list to ensure that all accounts are modified, deleted, or de-activated as personnel leave the company or transfer into new roles?

[Q:4.79-1720]

[▼]

Physical and Environmental

Do you restrict physical access to sensitive or restricted IT, telecommunications, media storage and control areas to those with appropriate need?

[Q:4.79-1721]

[▼]

Awareness and Training

Do you provide cyber security training?

[Q:4.79-1723]

[▼]

[« Back] [Next »]

Do you log cyber security events on systems and review them on a regular basis?

[Q:4.8-1727]

[▼]

Do you log cyber security events on servers, and do you review them on a regular basis?

[Q:4.8-2852]

[▼]

Do you report significant cyber security events to your senior management?

[Q:4.8-1728]

[▼]

Does the facility mandate malicious code protection on all systems?

[Q:4.8-1730]

[▼]

« Back   Next »

Does the cyber system allow email?

[Q:4.82-1735]

- ◯ Yes
- ◯ No

« Back   Next »

Are e-mail attachments (e.g., executable files) filtered on incoming e-mail?

[Q:4.83-1737]

« Back   Next »

Are there Safety Instrumented Systems (SIS) or other watch-dog systems, independent of the systems they monitor, providing interlocks or response to prevent or mitigate catastrophic events and/or the consequences of a cyber attack?

[Q:4.84-1175]

« Back   Next »

Configuration Managment

Has a business requirement been established for every external connection into the network/ environment, including wireless and modem connections?

[Q:4.86-1741]

[▾]

Do you apply/perform regular software and hardware, patches, updates, upgrades, and replacements?

[Q:4.86-1742]

[▾]

Are configuration changes to your network and applications hardware and software reviewed by an IT security professional and by management to assess the security impact prior to the changes being implemented to the operational environment?

[Q:4.86-1743]

[▾]

Risk and Vulnerability Management

Have potential vulnerabilities of your critical assets, systems, and networks been identified and evaluated?

[Q:4.86-2854]

[▾]

Do you have a means to identify and measure cyber security risk (including requirements, processes, and procedures) that is based on recognized cyber security methodologies, standards, or best practices?

[Q:4.86-1744]

[▾]

Are network and system (application) level security tests performed (vulnerability scans, penetration tests, open communication line scans, authorized hardware and software scans) on a regular basis; and after configuration changes or being patched or upgraded - before being put into operation?

[Q:4.86-2855]

○ partial or not at all
○ Network and applications monthly or more often; and after all configuration changes, patches, and upgrades
○ Network and applications quarterly or longer; and after all configuration changes, patches, and upgrades
○ Network and applications after all configuration changes, patches, and upgrades, but not on a regularly scheduled basis
○ Network and applications monthly or more often
○ Network and applications quarterly or longer

Have you incorporated the vulnerability solutions that are applicable and appropriate for your environment (e.g., are firewalls configured for minimum business or operational needs)?

[Q:4.86-2856]

[▾]

« Back   Next »

List all cyber control systems by name.

[Q:4.61-1457]

Cyber Control System Name

| Cyber Control System | Delete | Provide Cyber Control System Detail Information |
| | Add | |

Have all cyber control systems been evaluated?

[Q:4.61-1992]

- ○ Yes
- ○ No

« Back   Next »

Asset Screening

List the name and provide a description of candidate assets that may be critical because they are used to store or process chemicals, materials, or products that the SVA notification letter indicates should be evaluated. For chemicals and materials, only list assets that contain chemicals or materials of concern in quantities above the threshold.

[Q:5.0-1251]

| Candidate Assets | Delete | Describe: Candidate Assets |

| | Add |

Have all relevant assets been screened?

[Q:5.0-1396]

- ● Yes
- ○ No

Candidate Assets

Provide a Description of the candidate asset.

[Q:5.1-1252]

« Back   Next »

Asset Screeening

★ Locate Asset

« Back   Next »

Asset Screeening

Check toxic material of concern for this asset

[Q:5.3-1256]

Chemical Name	CAS#	Threshold		
Acrolein [2-Propenal]	107-02-8	3,750 lbs	○ Yes	○ No
Allyl alcohol [2-Propen-1-ol]	107-18-6	11,250 lbs	○ Yes	○ No
Ammonia (anhydrous)	7664-41-7	7,500 lbs	◉ Yes	○ No
Ammonia (conc. 20% or greater) relative density less than 0.880 at 15 degrees C in water, with more than 50 percent ammonia	7664-41-7	15,000 lbs	◉ Yes	○ No
Arsenous trichloride [Arsenic trichloride]	7784-34-1	11,250 lbs	○ Yes	○ No

« Back   Next »

Enter toxic material single vessel/process quantity

[Q:5.31-1272]

Chemical Name	CAS#	Threshold	Quantity (pounds)
Ammonia (anhydrous)	7664-41-7	7,500 lbs	
Ammonia (conc. 20% or greater) relative density less than 0.880 at 15 degrees C in water, with more than 50 percent ammonia	7664-41-7	15,000 lbs	

« Back   Next »

Check flammable material of concern for this asset

[Q:5.32-1274]

Chemical Name	CAS#	Threshold		
1,1-Dimethylhydrazine [Hydrazine, 1, 1-dimethyl-]	57-14-7	11,250 lbs	⊙ Yes	○ No
1,3-Butadiene	106-99-0	7,500 lbs	⊙ Yes	○ No
1,3-Pentadiene	504-60-9	7,500 lbs	⊙ Yes	○ No
1-Butene	106-98-9	7,500 lbs	⊙ Yes	○ No
1-Chloropropylene [1-Propene, 1-chloro-]	590-21-6	7,500 lbs	○ Yes	○ No

« Back   Next »

Enter flammable material single vessel/process quantity

[Q:5.33-1293]

Chemical Name	CAS#	Threshold	Quantity (pounds)
1,1-Dimethylhydrazine [Hydrazine, 1, 1-dimethyl-]	57-14-7	11,250 lbs	
1,3-Butadiene	106-99-0	7,500 lbs	
1,3-Pentadiene	504-60-9	7,500 lbs	
1-Butene	106-98-9	7,500 lbs	

« Back   Next »

Check explosive material of concern for this asset

[Q:5.34-1314]

Chemical Name	CAS#	Threshold		
1H-Tetrazole	16681-77-9	2,000 lbs	○ Yes	○ No
5-Nitrobenzotriazol	2338-12-7	2,000 lbs	○ Yes	○ No
Ammonium nitrate	6484-52-2	2,000 lbs	○ Yes	○ No
Ammonium perchlorate	7790-98-9	2,000 lbs	○ Yes	○ No

« Back   Next »

Enter explosive material single vessel/process quantity

[Q:5.35-1315]

Chemical Name	CAS#	Threshold	Quantity (pounds)
1H-Tetrazole	16681-77-9	2,000 lbs	
5-Nitrobenzotriazol	2338-12-7	2,000 lbs	
Ammonium nitrate	6484-52-2	2,000 lbs	
Ammonium perchlorate	7790-98-9	2,000 lbs	

« Back   Next »

Check CW/CWP material of concern for this asset

[Q:5.36-1332]

Chemical Name	CAS#		
1,1,3,3,3-pentafluoro-2-(trifluoromethyl)-1-propene	382-21-8	● Yes	○ No
1,2-bis(2-chloroethylthio)ethane	3563-36-8	● Yes	○ No
1,3-bis(2-chloroethylthio)-n-propane	63905-10-2	● Yes	○ No
1,4-bis(2-chloroethylthio)-n-butane	142868-93-7	● Yes	○ No

« Back   Next »

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

Man portable containers are containers of any size up to and including DOT Cylinder Specification 3AA2400 which has a tare weight of 135 lbs and a volume of 1.76 cu ft/49.8 liters. Such containers weigh up to about 400 lbs fully loaded. Note that cylinder tare weight and volume may vary slightly from company to company for those that supply industrial gas in cylinder quantities.

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 material could be safely removed without undue potential harm or without the use of special equipment.

[Q:5.361-2872]
[Q:5.361-2891]
[Q:5.361-2892]

Chemical Name	CAS#	Man-portable	Bulk Transport	Bulk Storage
1,1,3,3,3-pentafluoro-2-(trifluoromethyl)-1-propene	382-21-8	☐	☐	☐
1,2-bis(2-chloroethylthio)ethane	3563-36-8	☐	☐	☐
1,3-bis(2-chloroethylthio)-n-propane	63905-10-2	☐	☐	☐
1,4-bis(2-chloroethylthio)-n-butane	142868-93-7	☐	☐	☐

« Back   Next »

Check WME material of concern for this asset

[Q:5.37-1335]

Chemical Name	CAS#	Threshold		
Ammonia (anhydrous)	7664-41-7	7,500 lbs	⊙ Yes	○ No
Ammonia (conc. 20% or greater)	7664-41-7	15,000 lbs	⊙ Yes	○ No
Arsine	7784-42-1		⊙ Yes	○ No
Boron trichloride	10294-34-5		⊙ Yes	○ No

« Back   Next »

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

Man portable containers are containers of any size up to and including DOT Cylinder Specification 3AA2400 which has a tare weight of 135 lbs and a volume of 1.76 cu ft/49.8 liters. Such containers weigh up to about 400 lbs fully loaded. Note that cylinder tare weight and volume may vary slightly from company to company for those that supply industrial gas in cylinder quantities.

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.

[Q:5.371-2893]

[Q:5.371-2895]

Chemical Name	CAS#		Man-portable	Bulk Transport
Ammonia (anhydrous)	7664-41-7	7,500 lbs	☐	☐
Ammonia (conc. 20% or greater)	7664-41-7	15,000 lbs	☐	☐
Arsine	7784-42-1		☐	☐
Boron trichloride	10294-34-5		☐	☐

« Back   Next »

Check IEDP material of concern for this asset

[Q:5.38-1337]

Chemical Name	CAS#	Threshold				
1H-Tetrazole	16681-77-9	2,000 lbs	○ Yes	○ No
5-Nitrobenzotriazol	2338-12-7	2,000 lbs	○ Yes	○ No
Acetone	67-64-1	2,000 lbs	○ Yes	○ No
Ammonium nitrate (nitrogen concentration of 23% or greater)	6484-52-2	2,000 lbs	○ Yes	○ No

« Back   Next »

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

Man portable containers are containers of any size up to and including DOT Cylinder Specification 3AA2400 which has a tare weight of 135 lbs and a volume of 1.76 cu ft/49.8 liters. Such containers weigh up to about 400 lbs fully loaded. Note that cylinder tare weight and volume may vary slightly from company to company for those that supply industrial gas in cylinder quantities.

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 material could be safely removed without undue potential harm or without the use of special equipment.

[Q:5.381-2897]
[Q:5.381-2898]
[Q:5.381-2899]

Chemical Name	CAS#		Man-portable	Bulk Transport	Bulk Storage
1H-Tetrazole	16681-77-9	2,000 lbs	☐	☐	☐
5-Nitrobenzotriazol	2338-12-7	2,000 lbs	☐	☐	☐
Acetone	67-64-1	2,000 lbs	☐	☐	☐
Ammonium nitrate (nitrogen concentration of 23% or greater)	6484-52-2	2,000 lbs	☐	☐	☐

« Back   Next »

Check sabotage/contamination material of concern for this asset

[Q:5.39-1673]

Chemical Name	CAS#	Threshold		
Acetone cyanohydrin, stabilized	75-86-5	2,000 lbs	⊙ Yes	○ No
Acetyl bromide	506-96-7	2,000 lbs	⊙ Yes	○ No
Acetyl chloride	75-36-5	2,000 lbs	⊙ Yes	○ No
Acetyl iodide	507-02-8	2,000 lbs	⊙ Yes	○ No

« Back   Next »

Check product of concern for this asset

[Q:5.51-2651]

☑ Product's Name

« Back   Next »

Would the possible economic loss total more than $100 million for the asset (including only direct costs to the facility such as asset replacement, remediation, and business interruption)?

[Q:5.52-1373]

- ⦿ Yes
- ◯ No

Is the asset needed to produce product(s) of national economic importance or whose loss could negatively impact multiple economic sectors?

[Q:5.52-1374]

- ◯ Yes
- ⦿ No

Is the asset needed to produce supplies that are critical to the Department of Defense?

[Q:5.52-1375]

- ◯ Yes
- ⦿ No

« Back   Next »

Is the asset easy to see from offsite and easy to recognize because of prominent height, size, or labeling?

[Q:5.53-1392]

- ⊙ Yes
- ○ No

Is there a cyber control system related to this asset?

[Q:5.53-1393]

- ⊙ Yes
- ○ No

« Back   Next »

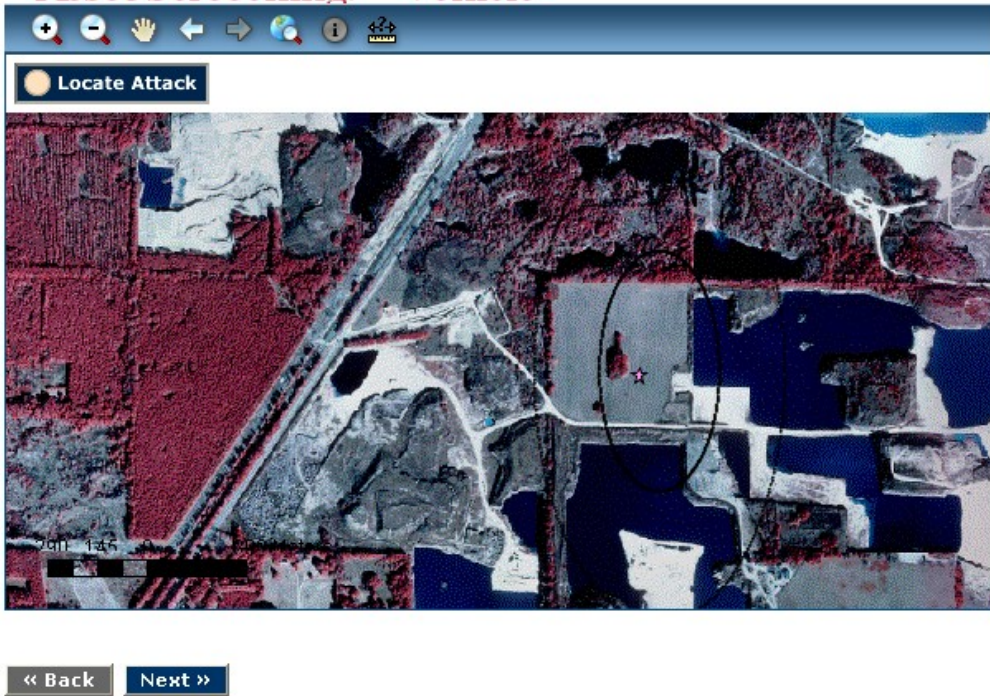## Select the cyber control system for this asset.

[Q:5.54-1485]

☑ Cyber Control System

« Back   Next »

Asset Screeening: Vehicle

« Back   Next »

Asset Screeening: Vehicle

What is the usual onsite population in the maximum impact distance?

[Q:8.01-1860]

Could a toxic release occur from damage in the maximum impact distance?

[Q:8.01-1861]

- ○ Yes
- ○ No

[« Back] [Next »]

What would the replacement costs, business interruption costs, and remediation costs (in dollars) of damage within the maximum impact distance be? (Enter number without dollar sign or commas)

Replacement Cost   [Q:8.26-2066]

Business Interruption Cost   [Q:8.26-2067]

Remediation Costs   [Q:8.26-2068]

« Back   Next »

Is the asset accessible from outside the perimeter security?

[Q:8.27-1414]

○ Yes
○ No

Is the scenario vehicle type normally permitted on site?

[Q:8.27-1415]

○ Yes
○ No

What type of access control is employed?

[Q:8.27-1416]

[_____ ▾]

Does the asset have sufficient and effective standoff distance?

[Q:8.27-1417]

○ Yes
○ No

What is the ability of the perimeter security to prevent a forced vehicle attack?

[Q:8.27-1418]

[_____ ▾]

Can a covert breach of the perimeter be detected?

[Q:8.27-1419]

○ Yes
○ No

Can a forced breach of the perimeter be detected?

[Q:8.27-1420]

○ Yes
○ No

What is the difficulty of reaching the asset with the scenario vehicle?

[Q:8.27-1421]

[▼]

Are there effective response capabilities?

[Q:8.27-1422]

[▼]

« Back   Next »

Asset Screeening: Aircraft

Asset Screeening: Aircraft

What is the usual onsite population in the maximum impact distance?

[Q:9.01-2078]

Could a toxic release occur from damage in the maximum impact distance?

[Q:9.01-2079]

○ Yes
⊙ No

« Back   Next »

What would the replacement costs, business interruption costs, and remediation costs (in dollars) of damage within the maximum impact distance be? (Enter number without dollar sign or commas)

Replacement Cost   [Q:9.26-2202]

Business Interruption Cost   [Q:9.26-2203]

Remediation Costs   [Q:9.26-2204]

« Back   Next »

Is the asset either designed to withstand the attack scenario or not visible from the air?

[Q:9.27-1423]

○ Yes
○ No

Is the asset elevated and unobstructed?

[Q:9.27-1424]

○ Yes
○ No

Is the asset elevated but obstructed or not easily recognizable?

[Q:9.27-1425]

○ Yes
○ No

Is the asset ground-level and unobstructed?

[Q:9.27-1426]

○ Yes
○ No

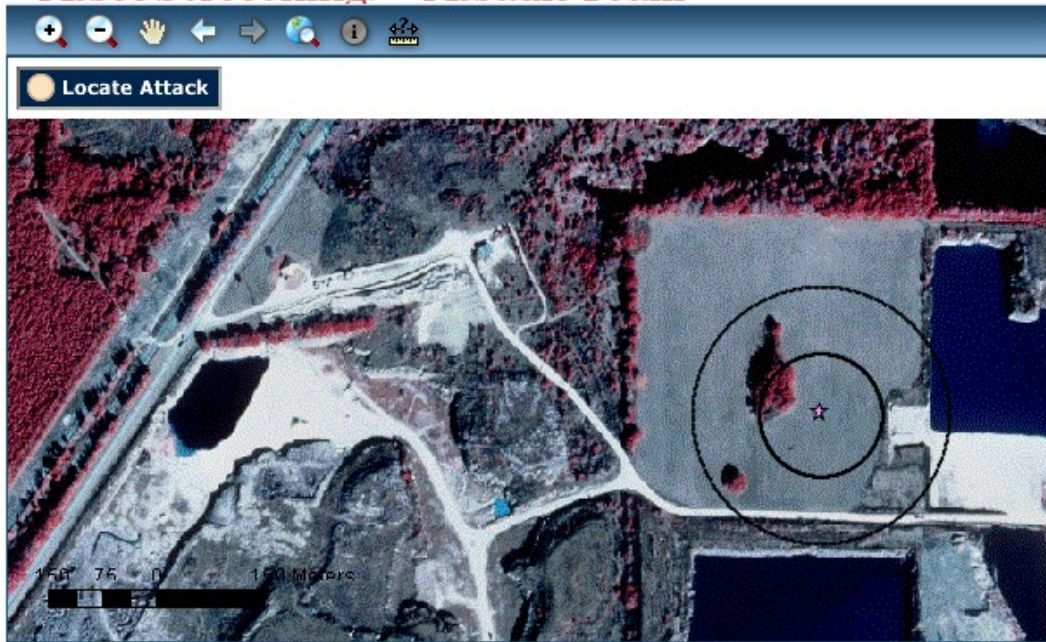**Is the asset ground-level and congested or difficult to reach with an aircraft?**

[Q:9.27-1427]

○ Yes
○ No

« Back   Next »

Asset Screeening: Assault Team

Asset Screeening: Assault Team

Is the asset accessible from outside the perimeter security?

[Q:10.27-1428]

- ○ Yes
- ○ No

Can perimeter security withstand a forceable attack?

[Q:10.27-1429]

- ○ Yes
- ○ No

Are there adequate access controls to prevent a covert entry at the personnel entrance(s)?

[Q:10.27-1431]

- ○ Yes
- ○ No

Can a covert entry at the facility perimeter be detected?

[Q:10.27-1432]

- ○ Yes
- ○ No

What is the ability of the scenario team to identify and reach the asset?

[Q:10.27-1434]

[▼]

Are there effective response capabilities?

[Q:10.27-1435]

[▼]

« Back   Next »

Could a toxic release occur from damage in the maximum impact distance?

[Q:11.01-2313]

○ Yes
○ No

« Back   Next »

Asset Screeening: Sabotage-Insider

What would the replacement costs, business interruption costs, and remediation costs (in dollars) of damage within the maximum impact distance be? (Enter number without dollar sign or commas)

Replacement Cost   [Q:11.26-2420]

Business Interruption Cost   [Q:11.26-2421]

Remediation Costs   [Q:11.26-2422]

« Back   Next »

Are background checks conducted for employees?

[Q:11.27-1436]

[dropdown ▾]

Within the facility, is there secondary access control around the asset?

[Q:11.27-1437]

○ Yes
○ No

Can an act of sabotage be detected?

[Q:11.27-1439]

○ Yes
○ No

Once detected, can sabotage to the asset be corrected?

[Q:11.27-1440]

○ Yes
○ No

« Back   Next »

Asset Screeening: Sabotage-Outsider

Could a toxic release occur from damage in the maximum impact distance?

[Q:12.01-2426]

○ Yes

○ No

« Back   Next »

What would the replacement costs, business interruption costs, and remediation costs (in dollars) of damage within the maximum impact distance be? (Enter number without dollar sign or commas)

Replacement Cost   [Q:12.26-2504]

Business Interruption Cost   [Q:12.26-2505]

Remediation Costs   [Q:12.26-2506]

« Back   Next »

Are there perimeter access controls to prevent and detect unauthorized access to the facility?

[Q:12.27-1441]

○ Yes
○ No

« Back   Next »

Asset Screeening: Theft-Insider

Is the asset located near the facility perimeter?

[Q:13.0-1442]

- ○ Yes
- ○ No

If the asset is located near the perimeter, can a vehicle be parked at or near this perimeter location?

[Q:13.0-1443]

- ○ Yes
- ○ No

Do employees/contractors have access to vehicles onsite?

[Q:13.0-1444]

- ○ Yes
- ○ No

Are there access controls for the asset?

[Q:13.0-1445]

- ○ Yes
- ○ No

Is there effective detection of people and materials in the asset?

[Q:13.0-1446]

- ○ Yes
- ○ No

Are vehicles searched when leaving the facility?

[Q:13.0-1447]

[▾]

If theft is detected, can the vehicle be prevented from leaving the site?

[Q:13.0-1448]

- ○ Yes
- ○ No

[« Back] [Next »]

Asset Screeening: Theft-Outsider

Are visitors' vehicles permitted onsite?

[Q:13.1-1449]

○ Yes
○ No

Are there unmanned or unsecured vehicle entrances?

[Q:13.1-1450]

○ Yes
○ No

What type of visitor identification checks are conducted at the facility?

[Q:13.1-1451]

[▼]

Does the facility have perimeter intrusion detection?

[Q:13.1-1452]

○ Yes
○ No

[« Back] [Next »]

List the name and provide a description of candidate assets that may be critical because they are used to store or process chemicals, materials, or products that the SVA notification letter indicates should be evaluated. For chemicals and materials, only list assets that contain chemicals or materials of concern in quantities above the threshold.

[Q:5.0-1251]

Asset Screeening | Delete | | Describe: Asset Screeening |

| Add |

Have all relevant assets been screened?

[Q:5.0-1396]

⊙ Yes
○ No

| « Back | | Next » |

General

« Back   Next »

End of Questionnaire

Press 'Next' to return to the beginning.

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