# **APPENDIX A. RISK MANAGEMENT PLAN FORM**

# Risk Management Plan Form Section 112(r) of the Clean Air Act

OMB Control No. 2050-0144 Approval expires XX/XX/XX

## Burden Statement

The public reporting and recordkeeping burden for this collection of information is estimated to average from 8.25 to 33 hours per response. Send comments on the Agency's need for this information, the accuracy of the provided burden estimates, and any suggested methods for minimizing respondent burden, including through the use of automated collection techniques to the Director, Collection Strategies Division, U.S. Environmental Protection Agency (2822T), 1200 Pennsylvania Ave., NW, Washington, D.C. 20460. Include the OMB control number in any correspondence. Do not send the completed form to this address.

IMPORTANT: Type or print: read instructions before completing form.

Submission 1	Гуре:	Where to Send Completed Forms:
☐ First-Time F	RMP Submission	U.S. Environmental Protection Agency Attention:RMP Reporting Center
☐ Correction t	o the Current RMP	P.O. Box 10162 Fairfax, VA 22038
C01 C02 C03 C04 C05 C06 C07 C08	Clerical error corrected Additional information supplied Minor administrative change Notification of facility ownership change New accident history information Change in emergency contact information New data element required by EPA Optional data element requested by EPA	If you prefer to send this Risk Management Plan Form by certified mail, courier or overnight mail (e.g. Fed Ex, UPS, Etc.), please address it to: RMP Reporting Center c/o CGI Federal, Inc. 12601 Fairlakes Circle Fairfax, VA 22033
C09  Re-Submiss (Submission T	Removed OCA description from executive summary  sion (all 9 sections are updated and certified)  type = "R")	
R01	Newly regulated substance listed by EPA (40 CFR 68.190(b)(2))	
R02	Newly regulated substance above TQ in already covered process (40 CFR 68.190(b)(3))	
R03	Regulated substance present above TQ in new (or previously not covered) process (40 CFR 68.190(b)(4))	
R04	Revised PHA / Hazard Review due to process change (40 CFR 68.190(b)(5))	
R05	Revised OCA due to change (40 CFR 68.190(b)(6))	
R06	Change in program level of covered process (40 CFR 68.190(b)(7))	
R07 R08	5-year update (40 CFR 68.190(b)(1)) Process no longer covered (source has other processes that remain covered) (40 CFR 68.190(b)(7))	
R09	Voluntary update (not described by any of the above reasons)	

Facility N	ame:	
ES	Executive Summary (attach a separate piece of paper if you need additional space)	EPA Facility ID# (leave blank for first submission only)

Facility Name:				
Section 1. Registrat			ank for first submission only)	
1.1 Source Identification				
1.1.a. Facility Name (maximum 50 character	rs)			
1.1.b. Parent Company #1 Name (maximum 50 characters)				
1.1.c. Parent Company #2 Name (maximum	50 characters)			
1.2 EPA Facility Identifier (12 characters)  (leave blank for first submission only)				
1.3 Other EPA Systems Facility Identifier (15 characters)				
1.4 Dun and Broadcast Numbers (DUNS) (	9 characters)			
1.4.a. Facility DUNS	1.4.b Parent Company	y#1 DUNS	1.4.c. Par	ent Company #2 DUNS
1.5 Facility Location				
1.5.a. Street - Line 1 (maximum 35 characters)				
1.5.b. Street - Line 2 (maximum 35 character	s)			
1.5.c. City (maximum 19 Characters)			1.5.d. State	
1.5.e. Zip Code Zip +4 Code		1.5.f. County (maximum 20 characters)		
1.5.g. Facility Latitude (report in decimal degrees)		1.5.h. Facility Longitu	de (report in d	decimal degrees)
+/- D DD D D DDD D		+- D DD D DDDD D		
1.5.i. Method for determining Lat/Long (see User Manual for Codes)		1.5.j. Description of Id (see User Manual for Codes		ntified by Lat/Long
<u> </u>				
1.5.k. Horizontal accuracy measure (meters)		1.5.I. Horizontal refer	ence datum	ncode
				_
		1.5.m. Source Map S	cale Numbe	er

acility Name:	
Section 1. Registration	EPA Facility ID# (leave blank for first submission only)
.6 Owner or Operator	
.6.a. Name (maximum 35 characters)	
.6.b. Phone () =	_
wner or Operator Mailing Address	
.6.c. Street - Line 1 (maximum 35 characters)	
1.6.d. Street - Line 2 (maximum 35 characters)	
1.6.e. City (maximum 19 characters)	1.6.f. State
	<u></u>
.6.g. Zip Code Zip +4 Code	
1.7 Name, title, and email address of person or position respon	sible for RMP (part 68) implementation
.7.a. Name of person (maximum 35 characters)	1.7.b. Title of person or position (maximum 35 characters)
1.7.c. Email address of person or position (maximum 35 characters)	
.8.a. Emergency Contact	
1.8.a. Name (maximum 35 characters)	1.8.b. Title of person or position (maximum 35 characters)
1.8.c. Phone () =	1.8.d. 24-Hour Phone ()
1.8.e. 24-Hour Phone Extension/PIN # (maximum 10 characters)	
.8.f. Email address for emergency contact (maximum 100 characte	ers) Enter N/A if not applicable

Facility Name:			
Section 1. Registration	EPA Facility ID# (leave blank for first submission only)		
1.9. Other Points of Contact (Optional)			
1.9.a. Facility or Parent Company E-mail Address (maximum 100 characters)	1.9.b. Facility Public Contact Phone Number		
1.9.c. Facility or Parent Company WWW Homepage Address (maxin	num 100 characters)		
1.10 Local Emergency Planning Committee (LEPC) (optional) (m	aximum 30 characters)		
1.11 Number of full-time equivalent (FTEs) employees on site			
Lada Command bus (colored all these arratio)			
1.12. Covered by (select all that apply)			
1.12.a. OSHA PSM			
□ 1.12.b. EPCRA section 302 □ 1.12.c. CAA Title V Air Operating Permit Program. If covered, specify permit ID# below.			
1.13. OSHA Star or Merit Ranking (optional)	□ NO		
1.14. Last Safety Inspection (by an External Agency) Date	MM DD YYYY		
1.15. Last Safety Inspection Performed by an External Agency (s	select one)		
□ 1.15.a. OSHA □ 1.15.b. State occupational safety agency □ 1.15.c. EPA □ 1.15.d. State Environmental Agency □ 1.15.e. Fire Department	□ 1.15.f. Never had one □ 1.15.g. Other (specify) (maximum 50 characters)		
1.16. Will this RMP involve Predictive Filing? (Optional)	′ES □ No		

Facility Name:			
Section 1. Registration  EPA Facility ID# (leave blank for first submission only)			
1.17 Process Specific Information. For each covered prohotocopy of this page and report each process on a separate	rocess, fill in this page. If you are reporting more than one process, make a rate sheet.		
Process ID# (optional - for your reference only)			
Process Description (optional - for your reference only	у)		
1.17.a. Program Level (select one)			
1.17.b. NAICS Code(s) (five or six digits)			
1.17.c. Chemical(s) (regulated substance(s))			
1.17.c.1. Name (maximum 100 characters)	1.17.c.2. CAS Number (10 characters) 1.17.c.3. Quantity (lbs) (max. 12 chars.)		
If you need more space to list NAICS co	odes or chemicals, please make a photocopy of this sheet.		
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Facility Name:		
Section 1. Registration  If an outside contractor prepar	EPA Facility ID# (leave blank for fired this risk management plan, erning this contractor in the fields l	rst submission only)
1.18 RMP Preparer Information		
1.18.a. Name (maximum 70 characters)		
1.18.b. Phone ()		
1.18.c. Street - Line 1 (maximum 35 characters)		
1.18.d. Street - Line 2 (maximum 35 characters)		
1.18.e. City (Maximum 30 characters)		
1.18.f. State or Province (Maximum 35 characters)	1.18.g. Zip Code Zip+ 4 Code	or Foreign Country (Max 2 characters)
1.18.h. RMP Preparer Foreign Zip Code		

Facility Name:			
Section 2. Toxics: Worst Case	EPA Facility ID# (leave blank for first submission only)		
(If you need to report more than one worst case scenario, make	e a photocopy of pages in this section and report each scenario separately)		
2.1. Chemical			
2.1.a. Name (maximum 100 characters)			
2.1.b. Percent weight of chemicals (if in a mixture)	<b></b> %		
2.2. Physical state (select one)			
☐ 2.2.a. Gas ☐ 2.2.b. Liquid	☐ 2.2.c. Gas liquified by pressure ☐ 2.2.d. Gas liquified by refrigeration		
2.3. Model Used (select one or enter another model name in Of	ther below)		
<ul> <li>□ 2.3.a. EPA's OCA Guidance Reference Tables or Equations</li> <li>□ 2.3.b. EPA's RMP Guidance for Ammonia Refrigeration Reference Tables or Equations</li> <li>□ 2.3.d. EPA's RMP Guidance for Waste Water Treatment Plants Reference Tables or Equations</li> <li>□ 2.3.e. EPA's RMP Guidance for Warehouses Reference Tables or Equations</li> <li>□ 2.3.f. EPA's RMP Guidance for Chemical Distributors Reference Tables or Equations</li> <li>□ 2.3.g. EPA's RMP* Comp™</li> <li>□ 2.3.h. Areal Locations of Hazardous Atmospheres (ALOHA®)</li> <li>□ 2.3.z. Other model (specify) (maximum 255 characters)</li> </ul>			
2.4. Scenario (select one) ☐ 2.4.a. Gas Release ☐ 2	2.4.b. Liquid Spill and Vaporization		
2.5. Quantity released (lbs)	2.6. Release rate (Ibs/minute)		
2.7. Release duration (minutes)	2.8. Wind speed (meters/second)		
2.9. Atmospheric stability class (A-F)			
1			
2.10. Topography (select one)			
☐ 2.10.a. Urban	□ 2.10.b. Rural		
[au au a			
2.11. Distance to endpoint (miles)			

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Appendix A: Risk Management Plan Form

Section 2. Toxics: Worst Case  2.12. Estimated residential population within distance to endpoint  2.13. Public receptors within distance to endpoint (select all that a 2.13.a. Schools  2.13.b. Residences  2.13.c. Hospitals  2.13.d. Prison/Correctional Facilities  2.13.e. Recreation Areas  2.13.f. Major commercial, office, or industrial areas	
2.13. Public receptors within distance to endpoint (select all that a 2.13.a. Schools 2.13.b. Residences 2.13.c. Hospitals 2.13.d. Prison/Correctional Facilities 2.13.e. Recreation Areas	apply)
□ 2.13.a. Schools □ 2.13.b. Residences □ 2.13.c. Hospitals □ 2.13.d. Prison/Correctional Facilities □ 2.13.e. Recreation Areas	apply)
□ 2.13.a. Schools □ 2.13.b. Residences □ 2.13.c. Hospitals □ 2.13.d. Prison/Correctional Facilities □ 2.13.e. Recreation Areas	
□ 2.13.b. Residences □ 2.13.c. Hospitals □ 2.13.d. Prison/Correctional Facilities □ 2.13.e. Recreation Areas	2.13.g. Other (specify) (maximum 200 characters)
□ 2.13.c. Hospitals □ 2.13.d. Prison/Correctional Facilities □ 2.13.e. Recreation Areas □ -	
□ 2.13.d. Prison/Correctional Facilities □ 2.13.e. Recreation Areas —	
☐ 2.13.e. Recreation Areas —	
☐ 2.13.f. Major commercial, office, or industrial areas	
_	
2.14. Environmental receptors within distance to endpoint (select	all that apply)
□ 2.14.a. National or State Parks, Forests, or Monuments	2.14.d. Other (specify) (maximum 200 characters)
☐ 2.14.b. Officially Designated Wildlife Sanctuaries, Preserves, or Refuges	
☐ 2.14.c. Federal Wilderness Area —	
2.15. Passive mitigation considered (select all that apply)	
	2.15.f. Other (specify) (maximum 200 characters)
☐ 2.15.b. Enclosures	
☐ 2.15.c. Berms	
☐ 2.15.d. Drains —	
□ 2.15.e. Sumps	
2.16. Graphics file name (optional) (maximum 12 characters)	

Facility Name:			
Section 3. Toxics: Alternative Release EPA Facility ID# (leave blank for first submission only)  (If you need to report more than one alternative release scenario, make a copy of pages in this section and report each scenario separately)			
3.1. Chemical			
3.1.a. Name (maximum 100 characters)			
3.1.b. Percent weight of chemical (if in a mixture)			
3.2. Physical State (select one)			
□ 3.2.a. Gas □ 3.2.b. Liquid	<ul><li>3.2.c. Gas liquified by pressure</li><li>3.2.d. Gas liquified by refrigeration</li></ul>		
3.3. Model Used (select one or enter another model name in Ot	her below)		
□ 3.3.a. EPA's OCA Guidance Reference Tables or Equations □ 3.3.b. EPA's RMP Guidance for Ammonia Refrigeration Reference Tables or Equations □ 3.3.d. EPA's RMP Guidance for Waste Water Treatment Plants Reference Tables or Equations □ 3.3.e. EPA's RMP Guidance for Warehouse Reference Tables or Equations □ 3.3.f. EPA's RMP Guidance for Chemical Distributors Reference Tables or Equations □ 3.3.g. EPA's RMP*Comp™ □ 3.3.h. Areal Locations of Hazardous Atmospheres (ALOHA®) □ 3.3.z. Other model (specify) (maximum 200 characters)			
3.4. Scenario (select one)			
□ 3.4.a. Transfer hose failure □ 3.4.b. Pipe Leak □ 3.5.c. Vessel Leak □ 3.4.d. Overfilling □ 3.4.e. Rupture disk/relief valve failure	☐ 3.4.f. Excess Flow Device Failure ☐ 3.4.g. Other (specify) (maximum 35 characters)		
3.5. Released (lbs)	3.6. Release Rate (lbs/minute)		
3.7. Release Duration (minutes)	3.8. Wind Speed (meters/second)		
3.9. Atmospheric stability class (A-F)			

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Facility Name:	
Section 3. Toxics: Alternative Release  (If you need to report more than one alternative release scena	EPA Facility ID# (leave blank for first submission only)  rio, make a copy of pages in this section and report each scenario separately)
3.10. Topology (select one)	☐ 3.10.b. Rural
3.11. Distance to endpoint (miles)	
3.12. Estimated residential population within distance to endpo	oint <u> </u>
3.13. Public receptors within distance to endpoint (select all th ☐ 3.13.a. Schools ☐ 3.13.b. Residences ☐ 3.13.c Hospitals ☐ 3.13.d. Prisons/Correctional facilities	at apply)  3.13.e. Recreation Areas  3.13.f. Major commercial, office, or industrial areas  3.13.g. Other (specify) (maximum 200 characters)
3.14. Environmental receptors within distance to endpoint (se	lect all that apply)
<ul> <li>□ 3.14.a. National or State Parks, Forests, or Monuments</li> <li>□ 3.14.b. Officially Designated Wildlife Sanctuaries, Preserves, or Refuges</li> <li>□ 3.14.c. Federal Wilderness Area</li> </ul>	3.14.d. Other (specify) (maximum 200 characters)
3.15. Passive mitigation considered (select all that apply)	
☐ 3.15.a. Dikes	☐ 3.15.e. Sumps
☐ 3.15.b. Enclosures	☐ 3.15.f. Other (specify) (maximum 200 characters)
☐ 3.15.c. Berms	
☐ 3.15.d. Drains	
3.16. Active mitigation considered (select all that apply)  3.16.a. Sprinkler systems 3.16.b. Deluge systems 3.16.c. Water curtain 3.16.d. Neutralization 3.16.e. Excess flow valve 3.16.f. Flares	☐ 3.16.g. Scrubbers ☐ 3.16.h. Emergency shutdown systems ☐ 3.16.i. Other (specify) (maximum 200 characters)
3.17. Graphics file name (optional) (maximum 12 characters)	

EPA Facility ID# (leave blank for first submission only)			
ake a photocopy of pages in this section and report each scenario separately)			
Other below)			
<ul> <li>□ 4.2.a. EPA's OCA Guidance Reference Tables or Equations</li> <li>□ 4.2.c. EPA's RMP Guidance for Ammonia Refrigeration Reference Tables or Equations</li> <li>□ 4.2.d. EPA's RMP Guidance for Waste Water Treatment Plants Reference Tables or Equations</li> <li>□ 4.2.e. EPA's RMP Guidance for Warehouse Reference Tables or Equations</li> <li>□ 4.2.f. EPA's RMP Guidance for Chemical Distributors Reference Tables or Equations</li> <li>□ 4.2.g. EPA's RMP*Comp™</li> <li>□ 4.2.z. Other model (specify) (maximum 235 characters)</li> </ul>			
4.3. Scenario (only one option)  Vapor Cloud Explosion			
4.4. Quantity released (lbs)  4.5. Endpoint Used (only one option)			
1 PSI			
4.7. Estimated residential population within distance to endpoint			
that apply)			
☐ 4.8.f. Major commercial, office, or industrial areas☐ 4.8.g. Other (specify) (maximum 200 characters)			
elect all that apply)  4.9.d. Other (specify) (maximum 200 characters)			

Facility Name:	
4 Section 4. Flammables: Worst Case	EPA Facility ID# (leave blank for first submission only)
4.10. Passive mitigation considered (select all that were considered)	dered in defining the release quantity or rate for the worst-case
☐ 4.10.a. Blast walls	☐ 4.10.b. Other (specify) (maximum 200 characters)
4.11. Graphics file name (optional) (maximum 12 characters)	

Facility Name:				
EPA Facility ID# (leave blank for first submission only)  Section 5. Flammables: Alternative Release  (If you need to report more than one alternative release scenario, make a photocopy of pages in this section and report each scenario separately)				
5.1. Chemical Name (maximum 100 characters)				
5.2. Model Used (select one or enter another model name in Oth	ner below)			
□ 5.2.a. EPA's CCA Guidance Reference Tables or Equations □ 5.2.c. EPA's RMP Guidance for Propane Storage Reference Tables or Equations □ 5.2.d. EPA's RMP Guidance for Waste Water Treatment Plants Reference Tables or Equations □ 5.2.e. EPA's RMP Guidance for Warehouse Reference Tables or Equations □ 5.2.f. EPA's RMP Guidance for Chemical Distributors Reference Tables or Equations □ 5.2.g. EPA's RMP*Comp™ □ 5.2.z. Other model (specify) (maximum 235 characters)				
5.3. Scenario (select one)  5.3.a. Vapor cloud explosion  5.3.b. Fireball  5.3.c. BLEVE  5.3.d. Pool fire  5.3.e. Jet fire	☐ 5.3.f. Vapor cloud fire ☐ 3.4.g. Other (specify) (maximum 30 characters)			
5.4. Quantity released (lbs)				
5.5 Endpoint used (select one)  5.5.a. 1 PSI  5.5.b. 5 kw/m² for 40 seconds  5.5.c. Lower flammability limit (specify percent volume)				
5.6. Distance to endpoint (miles)	5.7. Estimated residential population within distance to endpoint			

Facility Name:	
Section 5. Flammables: Alternative Rele	EPA Facility ID# (leave blank for first submission only)
5.8. Public Receptors within distance to endpoint (select all that apply)  5.8.a. Schools 5.8.b. Residences 5.8.c Hospitals 5.8.d. Prisons/Correctional facilities 5.8.e. Recreation Areas	☐ 5.8.f. Major commercial, office, or industrial areas☐ 5.8.g. Other (specify) (maximum 200 characters)
<ul> <li>5.9. Environmental receptors within distance to endpoint (select all that apply)</li> <li>5.9.a. National or State Parks, Forests, or Monuments</li> <li>5.9.b. Officially Designated Wildlife Sanctuaries, Preserves, or Refuges</li> <li>5.9.c. Federal Wilderness Area</li> <li>5.10. Passive mitigation considered (select all that apply)</li> <li>5.10.a. Dikes</li> <li>5.10.b. Fire walls</li> </ul>	□ 5.9.d. Other (specify) (maximum 200 characters) □ 5.10.e. Other (specify) (maximum 200 characters)
□ 5.10.c. Blast walls □ 5.10.d. Enclosures	
5.11. Active mitigation considered (select all that apply)  □ 5.11.a. Sprinkler systems □ 5.11.b. Deluge systems □ 5.11.c. Water curtain □ 5.11.d. Excess flow valve	5.11.e. Other (specify) (maximum 200 characters)
5.12. Graphics file name (optional) (maximum 12 characters)	

Facility Name:				
Section 6. Five-Year Accident History			leave blank for first s	
(If you need to report more than one accident history, make a photocopy of pages in this section and report each scenario separately)			ario separately)	
Would you like to certify that your facility did not ha	ve any repo	ortable accidents in the la	st 5 years?	
☐ Yes; leave the rest of this section blank		☐ No; fill out this sect	tion for each accider	nt
6.1. Date of accident (day, month, and year)		6.2. Time accident beg	an (hours and minute	es)
MM DD YYYY		□ a.m. Н Н М М □ p.m.		
63. NAICS code of process involved		6.4. Release duration (I	hours and minutes)	
		ннн	ннн мм	
6.5.a.i. Chemical name (maximum 100 characters)	6.5.a.ii. (	CAS Number	6.5.b. Quantity released (lbs.)	6.5.c. Percent weight of chemical if in a mixture (toxics only)
6.6. Release event (select at least one)	6.6. Release event (select at least one)			
☐ a. Gas release☐ b. Liquid spills/evaporation☐ c. Fire		☐ d. Explosion☐ e. Uncontrolled/Rur	naway Reaction	
6.7. Release Source (select at least one)				
□ a. Storage vessel □ b. Piping □ c. Process vessel □ d. Transfer hose □ e. Valve □ f. Pump		☐ g. Joint ☐ h. Other (specify) (m	naximum 200 charad	sters)

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Appendix A: Risk Management Plan Form

Facility Name:				
Section 6. Five-Year Accident History  EPA Facility ID# (leave blank for first submission only)				
a.i. Wind speed (numerical)	Vind speed unit		a.ii. Wind direction	
	miles/hr.  knots	) matere/eac	a.ii. Viina direction	
	I			
b. Temperature (°F)	c. Atmospheric stabil	ity class (A-F)	☐ d. Precipitation present	
a. Unknown weather conditions (check if	a-d are all unknown)			
6.9 On-site Impacts				
a. Deaths (enter numbers)		b. Injuries (enter num	ibers)	
a.i. Employees or contractors		b.i. Employee	s or contractors	
a.ii. Public responders		b.ii. Public res	sponders	
a.iii. Public		b.iii. Public		
c. Property damage	\$ ,			
6.10. Known off-site impacts (enter numb	ers)			
a. Deaths		d. Evacua	ted	
b. Hospitalizations		e. Sheltere	ed-in-place	
c. Other medical treatments		f. Property	f. Property damage (\$)	
6.10.g. Environmental damage (select all that apply)				
□ g.1. Fish or animal kills □ g.2. Tree, lawn, shrub, or crop damag □ g.3. Water contamination □ g.4. Soil contamination □ g.5. Other (specify) (maximum 200 c	ge			

Facility Name:	
Section 6. Five-Year Accident History	EPA Facility ID# (leave blank for first submission only)
6.11. Initiating event (select one)	
☐ a. Equipment failure☐ b. Human error	<ul><li>□ c. Natural (weather conditions, earthquake)</li><li>□ d. Unknown</li></ul>
6.12. Contributing factors (select all that apply)	
□ a. Equipment failure □ b. Human error □ c. Improper procedure □ d. Over pressurization □ e. Upset condition □ f. By-pass condition □ g. Maintenance activity/inactivity □ h. Process design failure	<ul> <li>i. Unsuitable equipment</li> <li>j. Unusual weather conditions</li> <li>k. Management error</li> <li>I. uncontrolled/runaway reaction</li> <li>m. Other (specify) (maximum 200 characters)</li> </ul>
6.13. Off-site responders notified (select one)	
□ a. Notified only □ b. Notified and responded	□ c. No, not notified □ d. Unknown
6.14. Changes introduced as a result of the accident (select at least one)  a. Improved/upgraded equipment b. Revised maintenance c. Revised training d. Revised operating procedures e. New process controls f. New mitigation systems g. Revised emergency response plan h. Changed process i. Reduced inventory	☐ j. None ☐ k. Other (specify) (maximum 200 characters)

Facility Name:		
Section 7. Preve	ention Program: Program 3	EPA Facility ID# (leave blank for first submission only)
(If you need to report more than one prevention program, make a photocopy of pages in this section and report each scenario separately)		
Prevention Program descript	tion:	
7.1. NAICS code for process		
7.2. Chemical name(s) (maximum 100 characters)		
	ed more space to list chemicals, plea	
7.3. Date on which the safety information was last reviewed or revised		
		MM DD YYYY
7.4. Process Hazards Analysis 7.4.a. Date of last PHA or PHA up		
		M M D D Y Y Y Y
		IVI IVI D D T T T T
<ul><li>7.4.b. Technique used (select at 7.4.b.1. What if 7.4.b.2. Checklist</li></ul>		7.4.b.6. Fault Tree Analysis 7.4.b.7. Other (specify) (maximum 200 characters)
☐ 7.4.b.3. What if/Checklist of 7.4.b.4. HAZOP ☐ 7.4.b.5. Failure Mode & Efficiency		
<u> </u>		

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Facility Name:	
Section 7. Prevention Program: Program	EPA Facility ID# (leave blank for first submission only)
7.4.c. Expected or actual date of completion of all changes res	sulting from last PHA or PHA update
	M M D D Y Y Y Y
7.4.d. Major hazards identified (select at least one)  7.4.d.1. Toxic release 7.4.d.2. Fire 7.4.d.3. Explosion 7.4.d.4. Runaway reaction 7.4.d.5. Polymerization 7.4.d.6. Over pressurization 7.4.d.7. Corrosion 7.4.d.8. Overfilling 7.4.d.9. Contamination	<ul> <li>□ 7.4.d.10. Equipment failure</li> <li>□ 7.4.d.11. Loss of cooling, heating, electricity, Instrument air</li> <li>□ 7.4.d.12. Earthquake</li> <li>□ 7.4.d.13. Floods (flood pain)</li> <li>□ 7.4.d.14. Tornado</li> <li>□ 7.4.d.15. Hurricanes</li> <li>□ 7.4.d.16. Other (specify) (maximum 200 characters)</li> </ul>
7.4.e. Process controls in use (select at least one)  7.4.e.1. Vents  7.4.e.2. Relief valves  7.4.e.3. Check valves  7.4.e.4. Scrubbers  7.4.e.5. Flares  7.4.e.6. Manual shutoffs  7.4.e.7. Automatic shutoffs  7.4.e.8. Interlocks  7.4.e.9. Alarms and procedures  7.4.e.10. Keyed bypass  7.4.e.11. Emergency air supply	☐ 7.4.e.12. Emergency power ☐ 7.4.e.13. Backup pump ☐ 7.4.e.14. Grounding equipment ☐ 7.4.e.15. Inhibitor addition ☐ 7.4.e.16. Rupture disks ☐ 7.4.e.17. Excess flow device ☐ 7.4.e.18. Quench system ☐ 7.4.e.19. Purge system ☐ 7.4.e.20. None ☐ 7.4.e.21. Other (specify) (maximum 200 characters)
7.4.f. Mitigation systems in use (select at least one)  7.4.f.1. Sprinkler system  7.4.f.2. Dikes  7.4.f.3. Fire walls  7.4.f.4. Blast walls  7.4.f.5. Deluge system  7.4.f.6. Water curtain	☐ 7.4.f.7. Enclosure ☐ 7.4.f.8. Neutralization ☐ 7.4.f.9. None ☐ 7.4.f.10. Other (specify)(maximum 200 characters)
7.4.g. Monitoring/detection systems in use (select at least one)  7.4.g.1. Process area detectors 7.4.g.2. Perimeter monitors 7.4.g.3. None	7.4.g.4. Other (specify)(maximum 200 characters)

Facility Name:		
7	ection 7. Prevention Program: Prograr	m 3 EPA Facility ID# (leave blank for first submission only)
7.4.h. Chang	ges since last PHA update (select at least	
7.4.h.1. R 7.4.h.2. Ir 7.4.h.3. C 7.4.h.4. Ir 7.4.h.5. Ir	Reduction in chemical inventory norease in chemical inventory change in process parameters estallation of process controls estallation of process detection systems estallation of perimeter monitoring systems estallation of mitigation systems	□ 7.4.h.8. None recommended □ 7.4.h.9. None □ 7.4.h.10. Other (specify) (maximum 200 characters)
7.5. Date of most recent review or revision of operating procedures  M M D D Y Y Y Y		
7.6. Training		
7.6.a. Date of	most recent review or review of operating procedures	MM DD YYYY
7.6.h Type of	f training provided (select at one)	
□ 7.6.b.1. C □ 7.6.b.2. C	Classroom	
7.6.c. Type of  7.6.c.1. V 7.6.c.2. C 7.6.c.3. D	ral Test	□ 7.6.c.4. Observation □ 7.6.c.5. Other (specify)(maximum 200 characters)
7.7. Maintena	nce	
7.7.a. Date of most recent review or revision of maintenance procedures  M M D D Y Y Y Y		
7.7.b. Date of most recent equipment inspection or test  M M D D Y Y Y Y		
7.7.c. Equipment most recently inspected or tested (list equipment) (maximum 200 characters)		

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Facility Name:		
Section 7. Prevention Program: Program 3 EPA Facility ID#	(leave blank for first submission only)	
7.8 Management of Change		
7.8.a. Date of most recent changes that triggered management of change procedures.	M M D D Y Y Y Y	
7.8.b. Date of most recent changes that triggered management of change procedures.  M M D D Y Y Y Y		
7.9. Date of most recent pre-startup review	M M D D Y Y Y Y	
7.10. Compliance audits		
7.10.a. Date of most recent compliant audit	MM DD YYYY	
7.10.b. Expected or actual date of completion of all changes resulting from the compliance audit	MM DD YYYY	
7.11. Incident investigation		
7.11.a. Date of most recent incident investigation (if any)	M M D D Y Y Y Y	
7.11.b. Expected or actual date of completion of all changes resulting from the incident investigation  M M D D D Y Y Y Y Y		
7.12. Date of most recent review or revision of employee participation plans  M M D D Y Y Y Y		
7.13. Date of most recent review or revision of hot work permit procedures	M M D D Y Y Y Y	
7.14. Date of most recent review or revision of contractor safety procedures	MM DD YYYY	
7.15. Date of most recent review or revision of contractor safety performance	MM DD YYYY	

Facility Name:	
X	n 2 EPA Facility ID# (leave blank for first submission only)
(If you need to report more than one prevention program, make	a photocopy of pages in this section and report each scenario separately)
Prevention Program description:	
8.1. NAICS code for process	
8.2. Chemical name(s) (maximum 100 characters)	
If you need more space to list chemicals,	please make a photo copy of this sheet.
8.3 Safety Information	
8.3. Date of most recent review or revision of safety information	M M DD Y Y Y Y
8.3.b. Federal/state regulations or industry-specific design codes and standards used to demonstrate compliance with safety information requirement (select at least one)	
<ul> <li>□ 8.3.b.1. NFPA 58 (or state law based on NFPA 58)</li> <li>□ 8.3.b.2. OSHA (29 CFR 1910.111)</li> <li>□ 8.3.b.3. ASTM Standards</li> </ul>	□ 8.3b.7. Other (specify) (maximum 200 characters)
□ 8.3.b.4. ANSI Standards □ 8.3.b.5. ANSME Standards	
□ 8.3.b.6. None □ 8.3.b.8. Comments (100 characters)	

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Facility Name:	
Section 8. Prevention Program: Progra	EPA Facility ID# (leave blank for first submission only)
8.4. Hazard review	
8.4.a. Date of completion of most recent hazard review or update	M M D D Y Y Y Y
8.4.b. Expected or actual date of completion of all changes resultin	g from the hazard review MMDDYYYY
8.4.c. Major hazards identified (select at least one)	
□ 8.4.c.1. Toxic release □ 8.4.c.2. Fire □ 8.4.c.3. Explosion □ 8.4.c.4. Runaway reaction □ 8.4.c.5. Polymerization □ 8.4.c.6. Over pressurization □ 8.4.c.7. Corrosion □ 8.4.c.8. Overfilling □ 8.4.c.9. Contamination □ 8.4.c.10. Equipment failure	<ul> <li>8.4.c.11. Loss of cooling, heating, electricity, instrument air</li> <li>8.4.c.12. Earthquake</li> <li>8.4.c.13. Floods (flood pain)</li> <li>8.4.c.14. Tornado</li> <li>8.4.c.15. Hurricanes</li> <li>8.4.c.16. Other (specify) (maximum 200 characters)</li> </ul>
8.4.d.1. Vents  8.4.d.2. Relief valves  8.4.d.3. Check valves  8.4.d.4. Scrubbers  8.4.d.5. Flares  8.4.d.6. Manual shutoffs  8.4.d.7. Automatic shutoffs  8.4.d.9. Alarms and procedures  8.4.d.10. Keyed bypass  8.4.d.11. Emergency air supply  8.4.d.12. Emergency power	<ul> <li>8.4.d.13. Backup pump</li> <li>8.4.d.14. Grounding equipment</li> <li>8.4.d.15. Inhibitor addition</li> <li>8.4.d.16. Rupture disks</li> <li>8.4.d.17. Excess flow device</li> <li>8.4.d.18. Quench system</li> <li>8.4.d.19. Purge system</li> <li>8.4.d.20. None</li> <li>8.4.d.21. Other (specify) (maximum 200 characters)</li> </ul>

Facility Name:	
Section 8. Prevention Program: Program	EPA Facility ID# (leave blank for first submission only) n 2
8.4.e. Mitigation systems in use (select at least one)  8.4.e.1. Sprinkler system  8.4.e.2. Dikes  8.4.e.3. Fire walls  8.4.e.4. Blast walls  8.4.e.5. Deluge system  8.4.e.6. Water curtain  8.4.e.7. Enclosure	□ 8.4.e.8. Neutralization □ 8.4.e.9. None □ 8.4.e.10. Other (specify)(maximum 200 characters)
<b>.</b>	
8.4.f. Monitoring/detection systems in use (select at least one)   8.4.f.1. Process area detectors  8.4.f.2. Perimeter monitors  8.4.f.3. None	□ 8.4.f.4 . Other (specify)(maximum 200 characters)
8.4.g. Changes since last hazard review or hazard review update (select at least one)  3.4.g.1. Reduction in chemical inventory  8.4.g.2. Increase in chemical inventory  8.4.g.3. Change in process parameters  8.4.g.4. Installation of process controls  8.4.g.5. Installation of process detection systems  8.4.g.6. Installation of perimeter monitoring systems  8.4.g.7. Installation of mitigation systems	□ 8.4.g.8. None recommended □ 8.4.g.9. None □ 8.4.g.10. Other (specify) (maximum 200 characters)
8.5. Date of most recent review or revision of safety information  M M D D Y Y Y Y	
8.6. Training	
8.6.a. Date of most recent review or revision of training programs	M M D D Y Y Y Y
8.6.b. Type of training provided (select at one)  3.6.b.1. Classroom  8.6.b.2. On the job  8.6.b.3. Other (specify) (maximum 200 characters)	

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Appendix A: Risk Management Plan Form

Facility Name:	
Section 8. Prevention Program: Progra	EPA Facility ID# (leave blank for first submission only) am 2
8.6.c. Type of competency testing used (select at least one)	☐ 8.6.c.5. Other (specify)(maximum 200 characters)
□ 8.6.c.1. Written test □ 8.6.c.2. Oral Test □ 8.6.c.3. Demonstration □ 8.6.c.4. Observation	
8.7. Maintenance	
8.7.a. Date of most recent review or revision of maintenance proc	m M D D Y Y Y Y
8.7.b. Date of most recent equipment inspection or test	MM DD YYYY
8.8. Compliance audits	
8.8.a. Date of most recent compliant audit	
	MM DD YYYY
8.8.b. Expected or actual date of completion of all changes resulti audit	ing from the compliance
8.9. Incident investigation	
8.9.a. Date of most recent incident investigation (if any)	M M D D Y Y Y
8.9.b. Expected or actual date of completion of all changes resulti investigation	M M D D Y Y Y Y
8.10. Date of most recent change that triggered a review or a information, the hazard review, operating or maintenance pro	a revision of safety  ocedures, or training  M. M. D. D. Y. Y. Y. Y.

Facility Name:	
9 Section 9. Emergency Response	A Facility ID# (leave blank for first submission only)
9.1 Written emergency response (ER) plan	
9.1.a. 🗖 Is your facility included in the written community emergency resp	onse plan?
9.1.b. Does your facility have its own written emergency response plan?	?
9.2. ☐ Does your facility's ER plan include specific actions to be taken in r substance(s)?	response to accidental releases of regulated
9.3. Does your facility's ER plan include procedures for informing the pureleases?	iblic and local agencies responding to accidental
9.4. ☐ Does your facility's ER plan include information on emergency healt	th care?
9.5. Date of most recent review or update of your facility's ER plan	M M D D Y Y Y Y
9.6. Date of most recent ER training for your facility's employees	M M D D Y Y Y Y
9.7. Local agency with which your facility's ER plan or response activities a	re coordinated
9.7.a. Name of agency (maximum 35 characters)	
9.7.b. Phone number ()	
9.8. Subject to (select all that apply)	
□ 9.8.a. OSHA Regulations at 29 CFR 1910.38 □ 9.8.b. OSHA Regulations at 29 CFR 1910.120 □ 9.8.c. Clean Water Act Regulations at 40 CFR 112 □ 9.8.d. RCRA Regulations at 40 CFR 264, 265, 279.52 □ 9.8.e. OPA-90 Regulations at 40 CFR 112, 33 CFR 154, 49 CFR 194, 30 CFI □ 9.8.f. State EPCRA Rules or Laws □ 9.8.g. Other (specify)(maximum 200 characters)	R 254

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## APPENDIX C. CBI SUBSTANTIATION FORM

OMB Control No. 2050-0144 Approval expires XX/XX/XX

## CBI SUBSTANTIATION FORM

If you are claiming Confidential Business Information (CBI) in your Risk Management plan (RMP), you must substantiate your claim at the same time that you submit your RMP. To qualify for CBI protection, the substantive criteria in 40 CFR 2.301 must be met. Certain RMP data elements cannot be claimed CBI, as stated in 40 CFR 68.151.

Fill out this form for each data element or set of data elements that have a discrete substantiation. You may use one CBI Substantiation Form to report multiple data elements as CBI if the basis for substantiation is the same. That means the answers to the questions in Part IV must be the same for all the data elements. If you need more space in Part III, please attach a separate piece of paper.

## Burden Statement

The public reporting and recordkeeping burden for this collection of information is estimated to average from 9.5 hours per response. Send comments on the Agency's need for this information, the accuracy of the provided burden estimates, and any suggested methods for minimizing respondent burden, including through the use of automated collection techniques to the Director, Collection Strategies Division, U.S. Environmental Protection Agency (2822T), 1200 Pennsylvania Ave., NW, Washington, D.C. 20460. Include the OMB control number in any correspondence. Do not send the completed form to this address.

## Part I -- Facility Identification Information

The information given here must correspond to the information that you provided in the registration section of your RMP. If you have an EPA Facility ID#, please include this information. If you are resubmitting, updating or correcting your RMP, you should already have received an EPA Facility ID#.

a. Facility Name:	
b. EPA Facility ID # (if assigned):	
c. Facility Location Address:	
d. City, State and Zip Code:	

e. Dun and Bradstreet Number:		
Part II – Is this substantiation a sanitized or an unsanitized version? If this substantiation contains any CBI, you must also submit a sanitized substantiation (without CBI data) as stated in 40 CFR 68.152. In this case, submit 2 copies of this form, one sanitized and one unsanitized. Please indicate here whether this form is sanitized or unsanitized.		
□ Sanitized □ Unsar	itized	
Part III – List the RMP Data Elements which you are claiming CBI that are covered in this substantiation form. List the data element number and its descriptive name, but NOT the actual CBI data. Please note that you may use one substantiation form for more than one data element only if the answers to all of the questions in Part IV are the same for those data elements.		
Data Element#	Data Element Name	

Part IV – The following are criteria set forth in 40 CFR 2.204, 2.208 and 2.301 for substantiating CBI claims. Provide answers to each of the following questions to substantiate your claim. If you need additional space, use separate sheets of paper.

(a) For any data elements that you wish to claim CBI that are listed in Part III, please indicate whether your business has previously submitted a CBI claim for this data element to EPA and whether that claim has expired, been waived, or been withdrawn.

(b) What reasonable measures have you taken to protect the confidentiality of the information and do you intend to continue to take these measures?

(c)	Have you disclosed the information to anyone other than a governmental body? If so, why should the information still be considered confidential? If not, is the information reasonably obtainable without your consent? Has EPA or another Federal agency made a determination as to the confidentiality of the information? If so, please attach a copy of the determination.
(d)	Does any statute require public disclosure of the information for which you are claiming CBI? If so, identify the law.

(e)	information is likely to cause substantial hard of those harmful effects, why they should be between disclosure and such harmful effects use of this information to your detriment?  (2) Do you assert that the information is "volution of the substantial hard of the substa	Part III, discuss with specificity why release of the in to your competitive position. Explain the nature viewed as substantial, and the causal relationship. For example, how could your competitors make untarily submitted" as defined at 40 CFR 2.201(i)? If end to lessen the Governments's ability to obtain
Part V - Certification (Read and sign after completing all sections)  To the best of the undersigned's knowledge, information, and belief formed after reasonable inquiry, the information submitted is true, accurate, and complete.		
Name and official title of owner or operator or senior management official		
Signa	ture (All signatures must be original)	Print Name
Officia	al Title	Date Signed

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## APPENDIX D. CBI UNSANITIZED DATA ELEMENT FORM

OMB Control No. 2050-0144 Approval expires XX/XX/XX

## CBI UNSANITIZED DATA ELEMENT FORM

If you are claiming Confidential Business Information (CBI) in your RMP, you must submit in paper form both the information being claimed CBI and a substantiation for your claim at the time you submit your redacted or "sanitized" RMP. This form should be used to submit the confidential information. The redacted RMP will be made available to the public in RMP\*Info.

If you need additional space, make a copy of page 2 of this form.

#### Burden Statement

The public reporting and recordkeeping burden for this collection of information is estimated to average from 9.5 hours per response. Send comments on the Agency's need for this information, the accuracy of the provided burden estimates, and any suggested methods for minimizing respondent burden, including through the use of automated collection techniques to the Director, Collection Strategies Division, U.S. Environmental Protection Agency (2822T), 1200 Pennsylvania Ave., NW, Washington, D.C. 20460. Include the OMB control number in any correspondence. Do not send the completed form to this address.

#### Part I. Facility Identification Information

The information given here should correspond to the information that you filled out in the registration section of your RMP. If you have an EPA Facili ty ID#, please include this information. You will have received the number after your first submission.

a. Facility Name:		
b. EPA Facility ID# (if assigned):		
c. Facility Location Address:		
d. City, State and Zip Code:		
e. Dun and Bradstreet Number:		
Part II - Information claimed as CBI Please list the data element number(s) from the RMP form (paper form or electronic form), the name(s) of the element(s) you are claiming CBI, and the actual CBI data.		
Data Element Number	Name of Data Element	RMP Data Claimed as CBI

Data Element Number	Name of Data Element	RMP Data Claimed as CBI

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