Risk Management Plan Audit Program
Annual Applicability Checklist

This Risk Management Plan (RMP) Audit Program Checklist has been developed to ensure compliance with the Accidental Release Prevention requirements under Section 112(r) of the Clean Air Act (CAA), as amended in 1990. This checklist is sent to all contractors on an annual basis to assess the applicability to RMP regulations (40 CFR Part 68) for all the processes at KSC.

SECTION I: General Information

Are any of the processes on your contract applicable to the RMP Regulations, 40 CFR Part 68?

Please check one: **Yes:** ☐ **No:** ☐

1. **Process:**
2. **Area:**
3. **Current Regulated Substance:**
4. **RMP Project Lead:**

*NOTE: Please review the list of regulated substances starting on page 3 because this may have been updated from the previous year. If **NO** Processes are applicable to RMP regulations, check the "No" box and **skip Section II.** Please complete form by signing in Section III and return to the EPB (Mail Code: TA-C3). If more than one process is applicable to RMP regulations, please include a separate checklist for each process.*

SECTION II: Compliance Objectives

The questions in this section refer to changes or modifications made to the process or operations in all of your areas at Kennedy Space Center. Please use yes or no answers to the questions and only expand on the answers where asked for or necessary. If the question does not pertain to your operations, please answer Not Applicable or N/A and explain why this is true.

1. **Regulated Substances**
   a) Has there been any additional regulated substances added to any of your process, or are there plans to add any regulated substances, that are not currently part of the RMP (see list of regulated substances, starting on page 3)?
      Please check one: **Yes:** ☐ **No:** ☐
      If yes, please submit a list what substance(s), the quantity of each, and the hazards pertaining to the substance(s).
   b) Has the quantity of the regulated substance currently stored changed or are there plans to change the quantity in the future (increased or decreased by a factor of two or more) (see list of regulated substances, starting on page 3)?
      Please check one: **Yes:** ☐ **No:** ☐
      If yes, please submit a list of the amount of the increase or decrease and of what substance(s).
   c) Has the quantity of any of the regulated substances currently stored and not listed in the RMP increased, or are there plans to increase the amount, above the thresholds, so that it should be added to the RMP (found on the list of regulated substances, starting on page 3)?
      Please check one: **Yes:** ☐ **No:** ☐
      If yes, please submit a list of the amount of the increase and of what substance(s).

2. Process

a) Has the location of the process been moved, contracted, or expanded that would impact the release mitigation area?

Please check one: **Yes:** ☐ **No:** ☐

If yes, please submit a map showing the new location or a description of the contraction, or expansion of the process.

b) Has the process been modified or has a new process been added that would impact the release mitigation area (i.e., new storage of the substances, new operations utilizing the substances)?

Please check one: **Yes:** ☐ **No:** ☐

If yes, please submit a description of the modified or new process.

c) Has there been a change or will there be a change in the process that required or will require a revision to the PHA or hazard review?

Please check one: **Yes:** ☐ **No:** ☐

If yes, please submit the date or expected date of completion of the most recent PHA or hazard review and the technique used.

3. Accidents

a) Have there been any accidental releases in the past year that resulted in off-site death, injury, or response or restoration activities for an exposure to the public and/or environmental receptors?

Please check one: **Yes:** ☐ **No:** ☐

If yes, please submit the accident report?

SECTION III: Responsible Personnel Concurrence

I have reviewed the information contained herein, verified that it is accurate and complete, and hereby submit it to the KSC Environmental Program Branch (EPB) for review and possible revision to the RMP.

Name:_____ Mail Code:_____ Phone Number:_____

Signature:_____ Date:_____

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LIST OF RMP REGULATED SUBSTANCES

CAS	Chemical Name	Threshold (lbs)	Threshold (gal)	Toxic Endpoint
106-98-9	1-butene	10,000	**	**
590-21-6	1-chloropropylene {1-propene, 1-chloro-}	10,000	**	**
109-67-1	1-pentene	10,000	1,869	**
57-14-7	1,1-dimethylhydrazine {Dimethylhydrazine}{Hydrazine, 1,1-dimethyl-}	15,000	2,271	0.012
106-99-0	1,3-butadiene	10,000	1,930	**
504-60-9	1,3-pentadiene	10,000	1,753	**
107-01-7	2-butene	10,000	**	**
590-18-1	2-butene-cis	10,000	1,929	**
624-64-6	2-butene-trans {2-butene, (E)}	10,000	1,983	**
557-98-2	2-chloropropylene {1-propene, 2-chloro-}	10,000	**	**
563-46-2	2-methyl-1-butene	10,000	1,844	**
115-11-7	2-methylpropene {1-propene, 2-methyl-}	10,000	2,031	**
646-04-8	2-pentene (E)-	10,000	1,827	**
627-20-3	2-pentene (Z)-	10,000	1,849	**
463-82-1	2,2-dimethylpropane {Propane, 2,2-dimethyl-}	10,000	2,028	**
563-45-1	3-methyl-1-butene	10,000	1,911	**
75-07-0	Acetaldehyde	10,000	1,536	**
74-86-2	Acetylene {Ethyne}	10,000	1,955	**
107-02-8	Acrolein {2-propenal}	5,000	714	0.0011
107-13-1	Acrylonitrile {2-propenenitrile}	20,000	2,994	0.076
814-68-6	Acrylyl Chloride {2-propenoyl Chloride}	5,000	527	0.0009
107-18-6	Allyl Alcohol {2-propen-1-ol}	15,000	2,105	0.036
107-05-01	Allyl Chloride	1,000	**	**
107-11-9	Allylamine {2-propen-1-amine}	10,000	1,577	0.0032
7664-41-7	Ammonia (Anhydrous)	10,000	1,758	0.14
7664-41-7	Ammonia (≥20%)	20,000	2,723	0.14
7784-34-1	Arsenous Trichloride	15,000	836	0.01
7784-42-1	Arsine {Arsenic Hydride}	1,000	45	0.0019
10294-34-5	Boron Trichloride {Borane, Trichloro-}	5,000	444	0.01
7637-07-2	Boron Triflouride {Borane, Trifluoro-}	5,000	374	0.028
353-42-4	Boron Triflouride Compound with Methy Ether (1:1) {Boron, Trifluoro[oxybis[methane]-,T-4}	15,000	1,451	0.023
7726-95-6	Bromine	10,000	386	0.0065
598-73-2	Bromotrifluorethylene {Ethene, Bromotrifluoro-}	10,000	**	**
106-97-8	Butane	10,000	1997	**
25167-67-3	Butene	10,000	2014	**
75-15-0	Carbon Disulfide	20,000	1897	0.16
463-58-1	Carbon Oxysulfide {Carbon Oxide Sulfide (COS)} {Carbonyl Sulfide}	10,000	571	**
7782-50-5	Chlorine	2,500	210	0.0087
10049-04-4	Chlorine Dioxide {Chlorine Oxide (ClO2)}	1,000	75	0.0028
7791-21-1	Chlorine Monoxide {Chlorine Oxide}	10,000	**	**
67-66-3	Chloroform {Methane, Trichloro-}	20,000	1,616	0.49
542-88-1	Chloromethyl Ether {Bis(chloromethyl) Ether} {Methane, Oxybis [chloro-]} {Dichloromethyl Ether}	1,000	91	0.00025
107-30-2	Chloromethyl Methyl Ether {Methane, Chloromethoxy-}	5,000	565	0.0018
4170-30-3	Crotonaldehyde {2-butenal}	20,000	2,833	0.029
123-73-9	Crotonaldehyde, (E)-{2-butenal, (E)-}	20,000	2,810	0.029
460-19-5	Cyanogen {Ethanedinitrile}	10,000	1,256	**
506-77-4	Cyanogen Chloride	10,000	980	0.03

108-91-8	Cyclohexylamine {Cyclohexanamine}	15,000	2,079	0.16
75-19-4	Cyclopropane	10,000	1,773	**
19287-45-7	Diborane {Diborane (6)}	2,500	**	0.0011
110-05-4	Dibutyl Peroxide (Tertiary)	**	5,000	**
4109-96-0	Dichlorosilane {Silane, Dichloro-}	10,000	999	**
75-37-6	Difluoroethane {Ethane, 1, 1-difluoro-}	10,000	1,261	**
124-40-3	Dimethylamine {Methanamine, N-methyl-}	10,000	1,786	**
75-78-5	Dimethyldichlorosilane {Silane, Dichlorodimethyl-}	5,000	545	0.026
106-89-8	Epichlorohydrin {Oxirane, (Chloromethyl)-}	20,000	1,331	0.076
74-84-0	Ethane	10,000	2,195	**
107-00-6	Ethyl Acetylene {1-butyne}	10,000	1,767	**
75-00-3	Ethyl Chloride {Chloroethane} {Ethane, Chloro-}	10,000	1,323	**
60-29-7	Ethyl Ether {Ethane, 1,1'-oxybis-}	10,000	1,678	**
75-08-1	Ethyl Mercaptan {Ethanethiol}	10,000	1,451	**
109-95-5	Ethyl Nitrite {Nitrous Acid, Ethyl Ester}	10,000	1,331	**
75-04-7	Ethylamine {Monoethylamine} {Ethanamine}	10,000	1,762	**
74-85-1	Ethylene {Ethene}	10,000	2,106	**
75-21-8	Ethylene Oxide {Oxirane}	10,000	1,379	0.09
107-15-3	Ethylenediamine {1,2-ethanediamine}	20,000	2,669	0.49
151-56-4	Ethyleneimine {Aziridine}	10,000	1,440	0.018
7782-41-4	Fluorine	1,000	79	0.0039
50-00-0	Formaldehyde (Solution)	15,000	1,591	0.012
110-00-9	Furan	5,000	639	0.0012
302-01-2	Hydrazine	15,000	1,918	0.011
7647-01-0	Hydrochloric Acid (≥37%)	15,000	1,510	0.03
74-90-8	Hydrocyanic Acid {Hydrogen Cyanide}	2,500	434	0.011
1333-74-0	Hydrogen	10,000	**	**
7647-01-0	Hydrogen Chloride (Anhydrous) {Hydrochloric Acid}	5,000	503	0.03
7664-39-3	Hydrogen Fluoride/hydrofluoric Acid (≥50%) {Hydrofluoric Acid}	1,000	121	0.016
7783-07-5	Hydrogen Selenide	500	28	0.00066
7783-06-4	Hydrogen Sulfide	10,000	1,308	0.042
7803-49-8	Hyroxylamine	**	2,500	**
13463-40-6	Iron, Pentacarbonyl- {Iron Carbonyl (Fe(co)5), (Tb-5-11)-}	2,500	206	0.00044
75-28-5	Isobutane {Propane, 2-methyl}	10,000	2,151	**
78-82-0	Isobutyronitrile {Propanenitrile, 2-methyl-}	20,000	3,149	0.14
78-78-4	Isopentane {Butane, 2-methyl-}	10,000	1,933	**
78-79-5	Isoprene {1,3-butadiene, 2-methyl-}	10,000	1,760	**
75-31-0	Isopropylamine {2-propanamine}	10,000	1,734	**
75-29-6	Isopropyl Chloride {Propane, 2-chloro-}	10,000	1,390	**
108-23-6	Isopropyl Chloroformate {Carbonochloridic Acid, 1-methylethyl Ester}	15,000	1,664	0.1
126-98-7	Methacrylonitrile {2-propenenitrile, 2-methyl-} {Methylacrylonitrile}	10,000	1,497	0.0027
74-82-8	Methane	10,000	2,853	**
74-87-3	Methyl Chloride {Chloromethane} {Methane, Chloro-}	10,000	1,202	0.82
79-22-1	Methyl Chloroformate {Carbonochloridic Acid, Methylester} {Methyl Chlorocarbonate}	5,000	489	0.0019
115-10-6	Methyl Ether {Methane, Oxybis-}	10,000	1,655	**
107-31-3	Methyl Formate {Formic Acid, Methyl Ester}	10,000	1,235	**
60-34-4	Methyl Hydrazine	15,000	2,066	0.0094
624-83-9	Methyl Isocyanate {Methane, Isocyanato-}	10,000	1,248	0.0012
74-93-1	Methyl Mercaptan {Methanethiol} {Thiomethanol}	10,000	1,343	0.049
556-64-9	Methyl Thiocyanate {Thiocyanic Acid, Methyl Ester}	20,000	2,244	0.085
74-89-5	Methylamine {Methanamine} {Monomethylamine}	10,000	1,729	**
75-79-6	Methyltrichlorosilane {Silane, Trichloromethyl-}	5,000	472	0.018
13463-39-3	Nickel Carbonyl {Nickel Tetracarbonyl}	1,000	91	0.00067

7697-37-2	Nitric Acid (≥80%)	15,000	1,196	0.026
10102-43-9	Nitric Oxide {Nitrogen Oxide (NO)}	10,000	943	0.031
8014-95-7	Oleum (Fuming Sulfuric Acid) {Sulfuric Acid, with Sulfur Trioxide}	10,000	608	0.01
109-66-0	Pentane	10,000	1,914	**
79-21-0	Peracetic Acid {Ethaneperoxoic Acid} {Peroxyacetic Acid}	10,000	977	0.0045
594-42-3	Perchloromethylmercaptan {Methanesulfenyl Chloride, Trichloro-}	10,000	707	0.0076
75-44-5	Phosgene {Carbonic Dichloride} {Carbonyl Chloride}	500	42	0.00081
7803-51-2	Phosphine {Hydrogen Phosphide}	5,000	803	0.0035
10025-87-3	Phosphorus Oxychloride {Phosphoryl Chloride}	5,000	364	0.003
7719-12-2	Phosphorus Trichloride {Phosphorous Trichloride}	15,000	1,142	0.028
110-89-4	Piperidine	15,000	2,085	0.022
463-49-0	Propadiene {1,2-propadiene}	10,000	**	**
74-98-6	Propane	10,000	2,381	**
107-12-0	Propionitrile {Ethyl Cyanide} {Propanenitrile}	10,000	1,494	0.0037
109-61-5	Propyl Chloroformate {Carbonochloridic Acid, Propylester}	15,000	1,649	0.01
115-07-1	Propylene {1-propene}	10,000	1,968	**
75-56-9	Propylene oxide {oxirane, methyl-}	10,000	1,395	**
75-55-8	Propyleneimine {Aziridine, 2-methyl}	10,000	1,485	0.12
74-99-7	Propyne {1-propyne}	10,000	1,697	**
7803-62-5	Silane	10,000	1,762	**
7446-09-5	Sulfur Dioxide (Anhydrous)	5,000	418	0.0078
7783-60-0	Sulfur Tetraflouride {Sulfur Fluoride, (Sf4) (T-4)-}	2,500	154	0.0092
7446-11-9	Sulfur Trioxide {Sulfuric Anhydride}	10,000	624	0.01
116-14-3	Tetrafluoroethylene {Ethene, Tetrafluoro-}	10,000		
75-74-1	Tetramethyllead {Plumbane, Tetramethyl-}	10,000	601	0.004
75-76-3	Tetramethylsilane (Silane, Tetramethyl-}	10,000	1,849	**
509-14-8	Tetranitromethane {Methane, Tetranitro-}	10,000	732	0.004
7550-45-0	Titanium Tetrachloride {Titanium Chloride (Ticl4) T-4)}	2,500	174	0.02
584-84-9	Toluene 2,4-diisocyanate {Benzene 2,4-diisocyanato-1-methyl-}	10,000	979	0.007
91-08-7	Toluene 2,6-diisocyanate {Benzene, 1,3-diisocyanato-2-methyl-}	10,000	978	0.007
26471-62-5	Toluene Diisocyanate (Unspecified Isomer) {Benzene, 1,3-diisocyanatomethyl-}	10,000	1,007	0.007
10025-78-2	Trichorosilane {Silane, Trichloro-}	10,000	892	**
79-38-9	Trifluorochloroethylene {Ethene, Chlorotrifluoro-}	10,000	917	**
75-50-3	Trimethylamine {Methanamine, N, n-dimethyl-}	10,000	1,893	**
75-77-4	Trimethylchlorosilane (Silane, Chlorotrimethyl-}	10,000	1,403	0.05
108-05-4	Vinyl Acetate Monomer {Acetic Acid Ethenyl Ester}	15,000	1,929	0.26
689-97-4	Vinyl Acetylene (1-buten-3-yne}	10,000	1,689	**
75-01-4	Vinyl Chloride {Ethene, Chloro-}	10,000	1,237	**
109-92-2	Vinyl Ethyl Ether (Ethene, Ethoxy-)	10,000	1,579	**
75-02-5	Vinyl Fluoride {Ethene, Fluoro-}	10,000	1,695	**
107-25-5	Vinyl Methyl Ether {Ethene, Methoxy-}	10,000	1,542	**
75-35-4	Vinylidene Chloride {Ethene, 1,1-dichloro-} {1,1-dichlorethylene}	10,000	990	**
75-38-7	Vinylidene Fluoride {Ethene, 1,1-difluoro-}	10,000	**	**

**** Amount not applicable.**