SIU GP Application Attachment H: Solvent Management Plan Checklist

Note: *Only applicable for Metal Finishing Wastewater discharges authorized under this general permit.*

Directions: If the Applicant is seeking to waive monitoring of total toxic organics (TTO), the Applicant must submit:

- A Solvent Management Plan containing all of the elements described in Appendix C of the SIU GP
- A completed Solvent Management Plan Checklist. For elements that are determined to be not applicable, please indicate "N/A" next to the element and provide a brief explanation.
- **At least one set of analytical results of the wastewater confirming the absence of TTOs in the discharge (Plan Element 8)**

TTO analytical data must be submitted on the tables provided in this Attachment. Submittal of a lab report alone will not be accepted.

Note: *If no TTOs are used or generated on site or introduced into the wastewaters that are the subject of this application, please indicate by checking the associated box on Part V (Attachment H) of this application.* ***Screening results for TTOs must be submitted to confirm the certification.***

Note: *A copy of the Solvent Management Plan, containing all of the elements described in Appendix C of the general permit, shall be submitted to DEEP for review and approval. A copy of the plan must also be maintained on site at all times.*

Solvent Management Plan Revision Date: _____

Solvent Management Plan Elements	Initial/Not Applicable	Page #
1. An inventory of toxic organic compounds, as defined in 40 CFR 413 or 433, used or suspected to be present in the discharges. This inventory shall include the trade name/manufacturer, quantity and concentration of each toxic organic compound, and the source of each toxic organic compound.		
2. A confirming statement that no solvents are able to enter any wastewater discharges. If solvents are used in or prior to wastewater generating processes, provide an explanation of how solvents are prevented from entering the wastewater discharge.		
3. The method of disposal of toxic organic compounds including the method of storage of such compounds prior to disposal. This section shall identify the quantity and size of containers used for collection of toxic organic compounds, the maximum quantity of materials containing toxic organic compounds stored on-site at any one time, the frequency when spent toxic organic compounds are replaced and disposed of, the storage locations prior to disposal, and the name of any licensed haulers disposing of such compounds.		
4. Housekeeping and Recordkeeping Procedures: Descriptions of the type and frequency of inspections and monitoring for leaks or other conditions that could lead to spills of toxic organic compounds shall be provided. Also, recordkeeping log forms shall be kept in each area where materials containing toxic organic compounds are present. These forms shall list all toxic organic compounds found in the area and safety data sheets for each material containing toxic organic compounds.		

Solvent Management Plan Elements	Initial/Not Applicable	Page #
5. Spill and Leak Prevention Measures: A description of each area used for the collection, storage and transfer of materials containing toxic organic compounds and an evaluation of such an area for its potential to generate a spill, leak or any other unplanned release of materials containing toxic organic compounds. Also, include a description of all spill prevention equipment and structures utilized at the facility.		
6. Cleanup and Disposal Procedures: A detailed description of procedures to be followed when responding to a spill at the facility. This description should include all the items listed in element 7 of the Appendix B: Spill Prevention and Control Plan Checklist.		
7. Plot Plan: A plot plan of the facility should clearly show all collection, storage and transfer areas of toxic organic compounds including floor drains, the direction of drainage from a potential spill and spill prevention structures and equipment.		
8. Historical Data: Summarize and evaluate any Total Toxic Organic (TTO) monitoring results over the past two (2) years.		

TTO Analysis

Directions: In the table below, enter the sample results with units of measure, number of analyses, and analytical method used for the TTO parameters.

Note: *If providing data from multiple analyses, enter the maximum and average result from all analyses in the respective columns. If providing data from a single analysis, enter the result in the 'maximum' column.*

Note: *When providing analytical results for a substance that was below the minimum level of the analytical method used, indicate that it was below the minimum level by employing the following format: "< X ppb", where "X" is the minimum level of the method used.*

TTO Parameter	Analytical Results		Number of Analyses	Analytical Method
	Maximum	Average		
Acrolein				
Acrylonitrile				
Benzene				
Bromoform				
Carbon Tetrachloride				
Chlorobenzene				
Chlorodibromomethane				
Chloroethane				
2-Chloroethylvinyl Ether				

TTO Parameter	Analytical Results		Number of Analyses	Analytical Method
	Maximum	Average		
Chloroform				
Dichlorobromomethane				
1, 1-Dichloroethane				
1, 2-Dichloroethane				
1, 1-Dichloroethylene				
1, 2-Dichloropropane				
1, 3-Dichloropropylene				
Ethylbenzene				
Methylbromide				
Methylchloride				
Methylene Chloride				
1, 1, 2, 2,-Tetrachloroethane				
Tetrachloroethylene				
Toluene				
1, 2-Trans-Dichloroethylene				
1, 1, 1-Trichloroethane				
1, 1, 2-Trichloroethane				
Trichloroethylene				
Vinyl Chloride				
2-Chlorophenol				
2, 4-Dichlorophenol				
2, 4-Dimethylphenol				
4, 6-Dinitro-O-Cresol				
2, 4-Dinitrophenol				
2-Nitrophenol				
4-Nitrophenol				
P-Chloro-M-Cresol				
Pentachlorophenol				

TTO Parameter	Analytical Results		Number of Analyses	Analytical Method
	Maximum	Average		
Phenol				
2, 4, 6- Trichlorophenol				
Acenaphthene				
Acenaphthylene				
Anthracene				
Benzidine				
Benzo(a)anthracene				
Benzo(a)pyrene				
3, 4-Benzo-fluoranthene				
Benzo(ghi)perylene				
Benzo(k) fluoranthene				
Bis(2-Chloroethoxy) Methane				
Bis(2-Chloroethyl) Ether				
Bis(2-Chloroisopropyl) Ether				
Bis(2-Ethylhexyl) Phthalate				
4-Bromophenylphenyl Ether				
Butylbenzyl Phthalate				
2-Chloronaphthalene				
4-Cholorophenylphenyl Ether				
Chrysene				
Dibenzo(a, H)anthracene				
1, 2-Dichlorobenzene				
1, 3-Dichlorobenzene				
1, 4-Dichlorobenzene				
3, 3-Dichlorobenzidine				
Diethyl phthalate				
Dimethyl phthalate				
Di-n-butyl phthalate				
2, 4-Dinitrotoluene				

TTO Parameter	Analytical Results		Number of Analyses	Analytical Method
	Maximum	Average		
2, 6-Dinitrotoluene				
Di-n-octyl phthalate				
1, 2-Diphenylhydrazine (as Azobenzene)				
Fluoranthene				
Fluorene				
Hexachlorobenzene				
Hexachlorobutadiene				
Hexachlorocyclopentadiene				
Hexachloroethane				
Indeno(1,2,3-cd) Pyrene				
Isophorone				
Naphthalene				
Nitrobenzene				
N-nitroso dimethylamine				
N-Nitrosodi-n-Propylamine				
N-Nitrosodiphenylamine				
Phenanthrene				
Pyrene				
1, 24-Trichlorobenzene				