



INDUSTRIAL WASTE SECTION  
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GRACE ROBINSON CHAN  
*Chief Engineer and General Manager*

**Baseline Monitoring Report (BMR)**  
for  
**Transportation Equipment Cleaning**  
of  
**Tank Trucks and Intermodal Tank Containers**  
Point Source Category 40CFR Part 442 Subpart A

Please fill out all sections of this BMR. Attach additional sheets as necessary.

**I. COMPANY INFORMATION**

Name: \_\_\_\_\_ Tel: \_\_\_\_\_  
Situs Address: \_\_\_\_\_  
\_\_\_\_\_ Zip: \_\_\_\_\_  
Mailing Address: \_\_\_\_\_ Tel: \_\_\_\_\_  
\_\_\_\_\_ Zip: \_\_\_\_\_  
Company's Industrial Waste Contact Person: \_\_\_\_\_  
Title: \_\_\_\_\_ Tel: \_\_\_\_\_  
Person In Charge of Local Operations: \_\_\_\_\_  
Title: \_\_\_\_\_ Tel: \_\_\_\_\_  
Owner of Company (parent company or corporate entity): \_\_\_\_\_  
Address of Owner: \_\_\_\_\_  
\_\_\_\_\_

**II. PERMITS List all environmental control permits held by or for the facility**

a) Industrial Wastewater Discharge Permit Number: \_\_\_\_\_  
b) Other Permits: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**III. DESCRIPTION OF OPERATION**

a) Provide a brief description of the nature of the operations carried out at this facility.

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b) What is the Standard Industrial Classification (SIC) Code for this facility? \_\_\_\_\_

c) What is the average rate of production ? (include units such as, gallons, trucks washed/day etc)  
 \_\_\_\_\_ per \_\_\_\_\_

d) Attach a schematic process diagram which indicates points of discharge to the POTW (public sewer system) from the regulated processes. Check here when complete.....

**IV. FLOW MEASUREMENT Provide the daily flows discharged to the sanitary sewer.**

Wastewater	Average Daily (gal/day)	Maximum daily (gal/day)
a) Regulated Process Stream**	_____	_____
b) Flows from boiler blowdown, non-contact cooling water, non contaminated stormwater, and demineralizer backwash	_____	_____
c) Sanitary Flows	_____	_____
d) All other wastewater flows to the sanitary sewer	_____	_____

\*\* If additional Regulated Process Streams exists, identify these streams on an attached sheet, and provide the average and maximum daily flows in gal/day.

Method of wastewater flow measurement:      Flow meter     Water meter

Other (please Specify) \_\_\_\_\_

**V. MEASUREMENT OF POLLUTANTS**

**Pretreatment Standards** - Identify the Pretreatment Standards applicable to each regulated process at this facility:

<b>Regulated Process</b>	<b>Pretreatment Standards or PPAD* Option</b>
_____	_____
_____	_____
_____	_____
_____	_____

\*PPAD Pollution Prevention Allowable Discharge

**VI. SELECTION OF COMPLIANCE METHODOLOGY**

Select which compliance option will be used by the facility to satisfy the regulatory requirements.

- i. Numerical Effluent Limits - This facility will meet the Numerical Effluent Limits, as defined in 40 CFR 442-----
- ii. Pollutant Prevention Allowable Discharge - This facility will prepare a Pollutant Management Plan and conduct its operations in accordance with that plan as defined in 40 CFR 442-----

a) **Numerical Effluent Limits Option**

If the Numerical Effluent Limits Option is selected, the facility must conduct sampling and analysis of the wastewater effluent as follows:

**Sampling & Analysis** - All sampling and analysis must be in accordance with 40 CFR 403.12(b)(5). Copies of the laboratory reports showing the wastewater analysis results, must be attached to this BMR. The sample results must indicate the analytical test method for each parameter.

Collect and report in the tables below, a minimum of 4 grab samples of SGT - HEM collected in one 24-hour period, and one 24-hour flow proportional composite for the indicated pollutants. Time proportional sampling will be accepted if flow proportional sampling is infeasible. Samples must be representative of daily operations. Existing data may be used.

For new source dischargers only, estimates of pollutant values are allowed. However, within 90 days of commencement of discharge, the new source discharger must submit a 90 day compliance report to the Sanitation Districts on an additional BMR form.

**Tank Trucks and Intermodal Containers**

Regulated Parameter	Pretreatment Standard 40 CFR 422 (mg/L)	Daily Average (mg/L)	Daily Maximum (mg/L)	Compliance with Pretreatment Standard Yes /No	Analytic Method	Sample Type G (grab) or F (flow proportioned)
Non-polar material SGT-HEM : Average of samples.	26					G
Copper	0.84					F
Mercury	0.0031					F

**Other Regulated Processes** - For other regulated processes, provide sampling and analysis identifying the nature and concentration of regulated pollutants in the discharge from each regulated process. Both daily maximum and average concentration must be reported.

**Sample Collection** - Report the sample collection parameters below. If more than one sample collection event occurred, attaches additional sheets.

Date of Sample: \_\_\_\_\_ Time: \_\_\_\_\_

Sampling Location: \_\_\_\_\_

**Sampling Certification:**

*I certify that the sampling and analysis provided with this BMR is representative of normal work cycles and expected pollutant discharges to the Los Angeles County Sanitation Districts.*

Sign Name: \_\_\_\_\_ Date: \_\_\_\_\_

Print Name: \_\_\_\_\_ Title \_\_\_\_\_

**b) Pollutant Prevention Allowable Discharge Option**

As an alternative to achieving pretreatment standards as defined in paragraph a), any source subject to these regulations may have a Pollution Prevention Allowable Discharge of wastewater pollutants, if the source agrees to a control mechanism as follows:

(1) Pollutant Management Plan - The discharger shall prepare a Pollutant Management Plan that satisfies the requirements as specified in paragraph (b)(5) of this section, and the discharger shall conduct its operations in accordance with that plan.

(2) Notification - The discharger shall notify its local control authority [ the Los Angeles County Sanitation Districts (the Districts)] prior to [ obtaining,] renewing or modifying its individual control mechanism or pretreatment agreement [ permit ] of its intent to utilize a Pollutant Management Plan as specified in paragraph (b)(1) of this section. The certification statement must be signed by the responsible corporate officer as defined in 40 CFR 403.12(1); [see below for further details regarding signature requirements]

***Note: The facility is not fully in compliance with the regulations until a Pollutant Management Plan that meets all the requirements detailed below, has been submitted to the Districts. A schedule for compliance must accompany this BMR if the Pollutant Management Plan is not attached.***

(3) Submittals - The discharger shall submit a copy of its Pollutant Management Plan as described in paragraph (b)(1) of this section to the appropriate control authority [the Districts] at the time he/she applies to [obtain,] renew, or modify its individual control mechanism or pretreatment agreement [permit]; and

(4) Record Keeping - The discharger shall maintain at the offices of the facility and make available for inspection the Pollutant Management Plan as described in section (b)(1) of this section.

(5) The Plan - The Pollutant Management Plan shall include:

- i. Identification - Procedures for identifying cargos, the cleaning of which is likely to result in discharges of pollutants that would be incompatible with treatment at the POTW; [For pollutants that would be incompatible with treatment at the POTW [the Los Angeles County Sanitation Districts], please see Table 1 below.*
- ii. Heel Management - For cargos identified as being incompatible with treatment at the POTW, the Plan shall provide that heels be fully drained, segregated from other wastewaters, and handled in an appropriate manner; *Appropriate manner of handling wastewater or heels that must be segregated, as prescribed below, includes recycling, re-using, on site treatment, hauling off site, or returning virgin material to the producer. Segregating the different waste streams allows for reduced volumes of waste requiring treatment as well as more opportunities for recycling since there would be less cross contamination**
- iii. Pre Cleaning - For cargos identified as being incompatible with treatment at the POTW, the Plan shall provide that the tank be prerinsed or presteamed as appropriate and the wastewater segregated from wastewaters to be discharged to the POTW and handled in an appropriate manner, where necessary to ensure that they do not cause or contribute to a discharge that would be incompatible with treatment at the POTW;*
- iv. Spent Cleaning Solutions - All spent cleaning solutions, including interior caustic washes, interior presolve washes, interior detergent washes, interior acid washes, and exterior acid brightener washes shall be segregated from other wastewaters and handled in an appropriate manner, where necessary to ensure that they do not cause or contribute to a discharge that would be incompatible with treatment at the POTW;*
- v. Recycling Cleaning Agents - Provisions for appropriate recycling or reuse of cleaning agents;*
- vi. Toxic Cleaning Agents - Provisions for minimizing the use of toxic cleaning agents (solvents, detergents, or other cleaning or brightening solutions);*
- vii. Wastewater Recycling - Provisions for appropriate recycling or reuse of segregated wastewaters (including heels and prerinse/pre-steam wastes);*

- viii. Pretreatment or Disposal - Provisions for off-site treatment or disposal, or effective pre-treatment of segregated wastewaters (including heels, prerinse/pre- steam wastes, spent cleaning solutions);
- ix. Cleaning Agents Usage - Information on the volumes, content, and chemical characteristics of cleaning agents used in cleaning or brightening operations, [along with the agent Material Safety Data Sheets (MSDS)]; and
- x. Record Keeping - Provisions for maintaining appropriate records of heel management procedures, prerinse/pre-steam management procedures, cleaning agent management procedures, operator training, and proper operation and maintenance of any pre-treatment system;

**Certification Statement.**

The Pollutant Management Plan must have the following Certification Statement as detailed in 40 CFR 403.6(a)(2)(ii).

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

**Signature Requirements**

The Pollutant Management Plan must be signed in accordance with 40 CFR 403.12(l) which states:

The reports required by ... this section shall include the certification statement as set forth in Sec. 403.6(a)(2)(ii), and shall be signed as follows:

(1) By a responsible corporate officer, if the Industrial User submitting the reports required by ...this section is a corporation. For the purpose of this paragraph, a responsible corporate officer means (i) a president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy or decision-making functions for the corporation, or (ii) the manager of one or more manufacturing, production, or operation facilities employing more than 250 persons or having gross annual sales or expenditures exceeding \$25 million (in second-quarter 1980 dollars), if authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures.

(2) By a general partner or proprietor if the Industrial User submitting the reports required by ... this section is a partnership or sole proprietorship respectively.

(3) By a duly authorized official of the individual designated in paragraph (1)(1) or (1)(2) of this section if:

- (i) The authorization is made in writing by the individual described in paragraph (1)(1) or (1)(2);
- (ii) The authorization specifies either an individual or a position having responsibility for the overall operation of the facility from which the Industrial Discharge originates, such as the position of plant

manager, operator of a well, or well field superintendent, or a position of equivalent responsibility, or having overall responsibility for environmental matters for the company; and

(iii) the written authorization is submitted to the Control Authority [the Districts].

(4) If an authorization under paragraph (1)(3) of this section is no longer accurate because a different individual or position has responsibility for the overall operation of the facility, or overall responsibility for environmental matters for the company, a new authorization satisfying the requirements of paragraph (1)(3) of this section must be submitted to the Control Authority prior to or together with any reports to be signed by an authorized official.

**TABLE 1. Pollutants Concentrations in Industrial Users= Wastewater Effluent That Would Be Incompatible with Treatment at the POTW<sup>2</sup>**

<b>Test Code</b>	<b>Test Parameter</b>	<b>Unit</b>	<b>Daily Max. Limit</b>	<b>Type of Sample</b>
101	pH	pH units	>6	Grab
105	Flash Point	deg C	>60	Grab
111	Temperature	deg F	140	Not Applicable
252	Dissolved Sulfide	mg/l	0.1	Grab
705	Arsenic	mg/l	3	24-hr Composite
708	Cadmium	mg/l	15	24-hr Composite
709	Chromium, total	mg/l	10	24-hr Composite
712	Copper	mg/l	15	24-hr Composite
714	Lead	mg/l	40	24-hr Composite
717	Mercury	mg/l	2	24-hr Composite
718	Nickel	mg/l	12	24-hr Composite
722	Silver	mg/l	5	24-hr Composite
724	Zinc	mg/l	25	24-hr Composite
T08	Total Toxic Organics <sup>1</sup>	ug/l	5,000	
601	Methylene chloride	ug/l		Grab
602	Chloroform	ug/l		Grab
603	1,1,1 - Trichloroethane	ug/l		Grab
604	Carbon tetrachloride	ug/l		Grab
606	Trichloroethylene	ug/l		Grab
607	Tetrachloroethylene	ug/l		Grab
611	Chlorobenzene	ug/l		Grab
612	Vinyl chloride	ug/l		Grab

<sup>1</sup>Total Volatile Toxic Organics, is defined as the sum of the organics listed in the shaded portion of the table, which are individually present at concentrations greater than 10 ug/l. The parameters include the following 13 test codes: 601,602,603,604,606,607,611,612,619,620,621,624,649.

<sup>2</sup>In some cases, stricter limitations and additional parameters may be required.



**TABLE 1. Pollutants Concentrations in Industrial Users= Wastewater Effluent That Would Be Incompatible with Treatment at the POTW<sup>2</sup>**

<b>Test Code</b>	<b>Test Parameter</b>	<b>Unit</b>	<b>Daily Max. Limit</b>	<b>Type of Sample</b>
619	1,2 - Dichloroethane	ug/l		Grab
620	Benzene	ug/l		Grab
621	Toluene	ug/l		Grab
624	Ethyl benzene	ug/l		Grab
649	Chloromethane	ug/l		Grab
605	1,1 - Dichloroethene	ug/l		Grab
608	Bromodichloromethane	ug/l		Grab
609	Dibromochloromethane	ug/l		Grab
610	Bromoform	ug/l		Grab
613	o - Dichlorobenzene	ug/l		Grab
614	m - Dichlorobenzene	ug/l		Grab
615	p - Dichlorobenzene	ug/l		Grab
616	1,1 - Dichloroethane	ug/l		Grab
618	1,1,2 - Trichloroethane	ug/l		Grab
629	o - Xylene	ug/l		Grab
645	Trans - 1,2 - dichloroethylene	ug/l		Grab
646	Bromomethane	ug/l		Grab
647	Chloroethane	ug/l		Grab
648	2 - Chloroethylvinylether	ug/l		Grab
650	1,2 - Dichloropropane	ug/l		Grab
651	Cis - 1,3 - dichloropropene	ug/l		Grab
652	Trans - 1,3 - dichloropropene	ug/l		Grab
653	1,1,2,2 - Tetrachloroethane	ug/l		Grab
654	Acrolein	ug/l		Grab
655	Acrylonitrile	ug/l		Grab
680	2- Butanone	ug/l		Grab
695	m + p Xylene	ug/l		Grab

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<b>Test Code</b>	<b>Test Parameter</b>	<b>Unit</b>	<b>Daily Max. Limit</b>	<b>Type of Sample</b>
800	Acenaphthene	ug/l		Grab
801	Acenaphthylene	ug/l		Grab
802	Anthracene	ug/l		Grab
803	Benzidine	ug/l		Grab
804	1,2 - Benzanthracene	ug/l		Grab
805	Benzo (a) pyrene	ug/l		Grab
806	3,4 - Benzofluoranthene	ug/l		Grab
807	1,12 - Benzoperylene	ug/l		Grab
808	11,12 - Benzofluoranthene	ug/l		Grab
809	Bis (2 - chloroethoxy) methane	ug/l		Grab
810	Bis (2 - chloroethyl) ether	ug/l		Grab
811	Bis (2 - chloroisopropyl) ether	ug/l		Grab
812	Bis (2 - ethylhexyl) phthalate	ug/l		Grab
813	4 - Bromophenyl phenyl ether	ug/l		Grab
814	Butyl benzyl phthalate	ug/l		Grab
815	2 - Chloronaphthalene	ug/l		Grab
816	4 - Chlorophenyl phenyl ether	ug/l		Grab
817	Chrysene	ug/l		Grab
818	1,2,5,6 - Dibenzanthracene	ug/l		Grab
822	3,3' - Dichlorobenzidine	ug/l		Grab
823	Diethyl phthalate	ug/l		Grab
824	Dimethyl phthalate	ug/l		Grab
825	Di - n - butyl phthalate	ug/l		Grab
826	2,4 - Dinitrotoluene	ug/l		Grab
827	2,6 - Dinitrotoluene	ug/l		Grab
828	Di - n - octyl phthlate	ug/l		Grab
829	1,2 - Diphenylhydrazine	ug/l		Grab

**TABLE 1. Pollutants Concentrations in Industrial Users= Wastewater Effluent That Would Be Incompatible with Treatment at the POTW<sup>2</sup>**

<b>Test Code</b>	<b>Test Parameter</b>	<b>Unit</b>	<b>Daily Max. Limit</b>	<b>Type of Sample</b>
830	Fluoranthene	ug/l		Grab
831	Fluorene	ug/l		Grab
832	Hexachlorobenzene	ug/l		Grab
833	Hexachlorobutadiene	ug/l		Grab
834	Hexachlorocyclopentadiene	ug/l		Grab
835	Hexachloroethane	ug/l		Grab
836	Indeno (1,2,3 - c,d) pyrene	ug/l		Grab
837	Isophorone	ug/l		Grab
838	Naphthalene	ug/l		Grab
839	Nitrobenzene	ug/l		Grab
840	N-nitrosodimethylamine	ug/l		Grab
841	N-nitrosodi-n-propylamine	ug/l		Grab
842	Phenanthrene	ug/l		Grab
843	Pyrene	ug/l		Grab
844	2,3,7,8 - TCDD	ug/l		Grab
845	2 - Chlorophenol	ug/l		Grab
846	1,2,4 - Trichlorobenzene	ug/l		Grab
847	2,4 - Dichlorophenol	ug/l		Grab
848	2,4 - Dimethylphenol	ug/l		Grab
849	2,4 - Dinitrophenol	ug/l		Grab
850	2 - Methyl - 4,6 - Dinitrophenol	ug/l		Grab
851	2 - Nitrophenol	ug/l		Grab
852	4 - Nitrophenol	ug/l		Grab
853	4 - Chloro - 3 - Methylphenol	ug/l		Grab
854	Pentachlorophenol	ug/l		Grab
855	Phenol	ug/l		Grab
856	2,4,6 - Trichlorophenol	ug/l		Grab

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<b>Test Code</b>	<b>Test Parameter</b>	<b>Unit</b>	<b>Daily Max. Limit</b>	<b>Type of Sample</b>
857	N - nitrosodiphenylamine	ug/l		Grab
502	4,4 - DDE	ug/l	0	Grab
504	4,4 - DDD	ug/l	0	Grab
506	4,4 - DDT	ug/l	0	Grab
508	Alpha - BHC	ug/l	0	Grab
509	Lindane (Gamma - BHC)	ug/l	0	Grab
510	Heptachlor	ug/l	0	Grab
511	Heptachlor epoxide	ug/l	0	Grab
512	Aldrin	ug/l	0	Grab
513	Dieldrin	ug/l		Grab
514	Endrin	ug/l	0	Grab
515	Toxaphene	ug/l	0	Grab
519	PCB - 1242	ug/l	0	Grab
520	PCB - 1254	ug/l	0	Grab
523	Beta - BHC	ug/l	0	Grab
524	Delta - BHC	ug/l	0	Grab
530	Total Chlordane	ug/l	0	Grab
531	Alpha - endosulfan	ug/l	0	Grab
532	Beta - endosulfan	ug/l	0	Grab
533	Endosulfan sulfate	ug/l	0	Grab
534	Endrin aldehyde	ug/l	0	Grab
535	PCB - 1016	ug/l	0	Grab
536	PCB - 1221	ug/l	0	Grab
537	PCB - 1232	ug/l	0	Grab
538	PCB - 1248	ug/l	0	Grab
539	PCB - 1260	ug/l	0	Grab

**VII. BMR COMPLIANCE STATEMENT**

An authorized official of the company, as defined in 40 CFR 403.12(k), must review the following statements of compliance which must be certified to by a qualified professional.

*I hereby certify that the EPA categorical pretreatment standards which apply to this facility are being met on a consistent basis as evidenced by the attached data.*      **YES**       **NO**

*I hereby certify that dilution is not being used in lieu of treatment to meet the EPA categorical pretreatment standards.*      **YES**       **NO**

Corrective Measures - If the answer to either of the above questions is No, then additional pretreatment, flow reduction or operations and maintenance measures must be proposed. Attach additional sheets to this BMR. If a Pollutant Management Plan is required and not attached to this BMR, the requirements of the categorical pretreatment standard have not been met and a compliance schedule must be attached.

Reviewed by:(company official’s signature) \_\_\_\_\_

Date: \_\_\_\_\_

Print Name: \_\_\_\_\_ Job Title: \_\_\_\_\_

Certified by: (qualified professional’s signature) \_\_\_\_\_

Date: \_\_\_\_\_

Print Name: \_\_\_\_\_ Professional Qualification: \_\_\_\_\_

Company Name & Address: \_\_\_\_\_

**Compliance Schedule**

If changes are required to meet EPA Pretreatment Standards, [ or a Pollutant Management Plan has not been included with this BMR,] a detailed compliance schedule must be attached. The schedule shall contain increments of progress in the form of dates for the commencement and completion of major events leading to the construction and operation of additional pretreatment required to meet the applicable Pretreatment Standard [ or other milestones required to prepare the Pollutant Management Plan and conduct operations in accordance with that plan]. No increment shall exceed 9 months. Not later than 14 days following each date in the schedule, the discharger shall submit a progress report, including any corrective action necessary to maintain the established schedule.

Note, that this does not relieve the discharger of the requirement to immediately comply with discharge limits by whatever means necessary (cessation of operations, impounding, hauling, etc.) until a more permanent solution is implemented.

**VIII. BMR Certification** (by authorized company official per 40 CFR 403.12(l))

*I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.*

Authorized Company Official (signature): \_\_\_\_\_

Authorized Company Official (print): \_\_\_\_\_

Title: \_\_\_\_\_

Date: \_\_\_\_\_

“Authorized company official” means:

1. For a partnership: a general partner.
2. For a sole proprietorship: the proprietor.
3. For a corporation: a president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy or decision-making functions for the corporation; or the manager of one or more manufacturing, production, or operation facilities, provided, the manager is authorized to make management decisions which govern the operation of the regulated facility including having the explicit or implicit duty of making major capital investment recommendations, and initiate and direct other comprehensive measures to assure long term environmental compliance with environmental laws and regulations; can ensure that the necessary systems are established or actions taken to gather complete and accurate information for control mechanism requirements; and where authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures.
4. A duly authorized official of one of the individuals described above may substitute if:
  - a. The authorization is made in writing by one of the individuals described above;
  - b. The authorization specifies either an individual or a position having responsibility for the overall operation of the permittee’s facility, such as the position of plant manager, operator of a well, or well field superintendent, or a position of equivalent responsibility, or having overall responsibility for environmental matters for the company; and
  - c. The written authorization is submitted to the Districts.