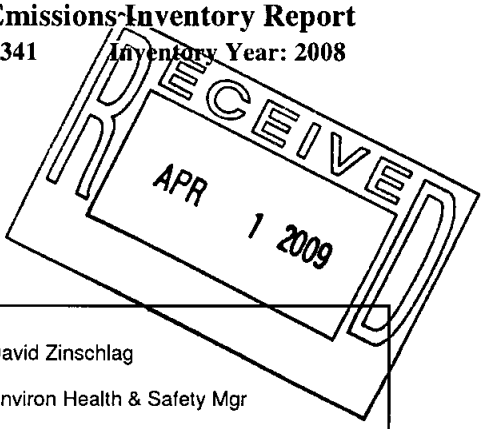
Minnesota Pollution Control Agency

Air Pollutant Emissions Inventory Report
Facility ID: 12300341 **Inventory Year: 2008**



Facility Name:	Water Gremlin Co	Inventory Contact:	David Zinschlag
Location Street Address:	1610 Whitaker St	Job Title:	Environ Health & Safety Mgr
City / ZIP:	White Bear Lake 55110	Mail Address:	1610 Whitaker St
County:	Ramsey	City / St / ZIP:	White Bear Lake, MN 55110
		Contact Phone:	(651) 429-7761
		Contact Fax:	(651) 429-9611
		Contact E-Mail:	dave.zinschlag@watergrem.com

I certify under penalty of law that this document and all attachments were prepared under my direction or supervised by qualified personnel. The Information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I understand that the data provided in this document will be used by the MPCA to calculate a fee, which my facility will be required to pay under Minnesota Rules, part 7002.0025, based on tons of pollutants emitted by the facility.

Signature and Title of Company Official (please write): K. Robert Bunten Date: 3/27/09

Name and Title of Company Official (please print): K. Robert Bunten, Plant Manager

Return To: **Michael Smith (651) 282-5849**
Minnesota Pollution Control Agency
Environmental Analysis and Outcomes Division
Environmental Data Management Unit
520 Lafayette Road N
St. Paul, MN 55155-4194

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Operating Schedule

	Average Working Schedule				% Annual Throughput			
	Percent Heating	Hours Per Day	Days Per Week	Hours Per Year	Dec-Feb	Mar-May	Jun-Aug	Sep-Nov
EU 001 Battery Terminal Post Coater	0	24	5	6240	25	25	25	25
EU 002 Battery Terminal Post Coater	0	24	5	6240	25	25	25	25
EU 003 Battery Terminal Post Coater	0	24	5	6240	25	25	25	25
EU 004 Battery Terminal Post Coater	0	24	5	6240	25	25	25	25
EU 005 Battery Terminal Post Coater	0	24	5	6240	25	25	25	25
EU 006 Battery Terminal Post Coater	0	24	5	6240	25	25	25	25
EU 007 Battery Terminal Post Coater	0	24	5	6240	25	25	25	25
EU 008 Battery Terminal Post Coater	0	24	5	6240	25	25	25	25
EU 009 Battery Terminal Post Coater	0	24	5	6240	25	25	25	25
EU 010 Battery Terminal Post Coater	0	24	5	6240	25	25	25	25
EU 011 Battery Terminal Post Coater	0	24	5	6240	25	25	25	25
EU 012 Battery Terminal Post Coater	0	24	5	6240	25	25	25	25
EU 013 Battery Terminal Post Coater	0	24	5	6240	25	25	25	25
EU 014 Battery Terminal Post Coater	0	0	0	0	0	0	0	0
EU 015 Battery Terminal Post Coater	0	0	0	0	0	0	0	0
EU 016 Battery Terminal Post Coater	0	24	5	6240	25	25	25	25
EU 017 Battery Terminal Post Coater	0	24	5	6240	25	25	25	25
EU 018 Future Battery Terminal Post Coater	NA	NA	NA	NA	NA	NA	NA	NA
EU 019 Future Battery Terminal Post Coater	NA	NA	NA	NA	NA	NA	NA	NA
EU 020 Future Battery Terminal Post Coater	NA	NA	NA	NA	NA	NA	NA	NA
EU 021 Future Battery Terminal Post Coater	NA	NA	NA	NA	NA	NA	NA	NA
EU 022 2 Rework Tables	0	24	5	6240	25	25	25	25

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Throughput Information .

Unit	Unit Description	Segment Description	Throughput	Throughput Units	Sulfur %	Ash %
EU 001	Battery Terminal Post Coater	TCE-containing coating	6.22	Tons coating mix applied	0	0
EU 002	Battery Terminal Post Coater	TCE-containing coating	6.22	Tons coating mix applied	0	0
EU 003	Battery Terminal Post Coater	TCE-containing coating	6.22	Tons coating mix applied	0	0
EU 004	Battery Terminal Post Coater	TCE-containing coating	6.22	Tons coating mix applied	0	0
EU 005	Battery Terminal Post Coater	TCE-containing coating	6.22	Tons coating mix applied	0	0
EU 006	Battery Terminal Post Coater	TCE-containing coating	6.22	Tons coating mix applied	0	0
EU 007	Battery Terminal Post Coater	TCE-containing coating	6.22	Tons coating mix applied	0	0
EU 008	Battery Terminal Post Coater	TCE-containing coating	6.22	Tons coating mix applied	0	0
EU 009	Battery Terminal Post Coater	TCE-containing coating	6.22	Tons coating mix applied	0	0
EU 010	Battery Terminal Post Coater	TCE-containing coating	6.22	Tons coating mix applied	0	0
EU 011	Battery Terminal Post Coater	TCE-containing coating	6.22	Tons coating mix applied	0	0
EU 012	Battery Terminal Post Coater	TCE-containing coating	6.22	Tons coating mix applied	0	0
EU 013	Battery Terminal Post Coater	TCE-containing coating	6.22	Tons coating mix applied	0	0
EU 014	Battery Terminal Post Coater	TCE-containing coating	0	Tons coating mix applied	NA	NA
EU 015	Battery Terminal Post Coater	TCE-containing coating	0	Tons coating mix applied	NA	NA
EU 016	Battery Terminal Post Coater	TCE-containing coating	6.22	Tons coating mix applied	0	0
EU 017	Battery Terminal Post Coater	TCE-containing coating	6.22	Tons coating mix applied	0	0
EU 018	Future Battery Terminal Post Coater	TCE-containing coating	NA	Tons coating mix applied	NA	NA
EU 019	Future Battery Terminal Post Coater	TCE-containing coating	NA	Tons coating mix applied	NA	NA
EU 020	Future Battery Terminal Post Coater	TCE-containing coating	NA	Tons coating mix applied	NA	NA
EU 021	Future Battery Terminal Post Coater	TCE-containing coating	NA	Tons coating mix applied	NA	NA
EU 022	2 Rework Tables	TCE-containing coating	6.22	Tons coating mix applied	0	0

Emissions Reporting Form

Unit #	Unit Description	Segment Description	SCC	Pollutant	Emission Factor (please specify units)	Date of stack test, if applicable	Calculation Method	Control Equipment	Control %	Capture %	Comb %	Emissions (in tons)
EU001-EU013	Battery terminal post coaters	TCE containing coating	40200101	VOC	2,000 lb/ton	04-10-02	Stack test/ mass balance	fluidized bed adsorber	95%	100%	95%	0.31/coater
EU016-EU017	Battery terminal post coaters	TCE containing coating	40200101	VOC	2,000 lb/ton	04-10-02	Stack test/ mass balance	fluidized bed adsorber	95%	100%	95%	0.31/coater
EU022	Re-work tables	TCE containing coating	40200101	VOC	2,000 lb/ton	04-10-02	Stack test/ mass balance	fluidized bed adsorber	95%	100%	95%	0.31/coater

Water Gremlin
2008 Annual Emissions Inventory Calculations

Calendar Year 2008 Trichloroethylene Usage:

Month-Year	Solvent Purchased (lbs)	Solvent Re-used (lbs)	TCE in Waste (liquid/solid) (lbs)	Control Efficiency (%)	Equipment Downtime (hrs)	Released (lbs)	
1/1/2008 - 12/31/2008	86,872	117,480	5,323	95.0%	0.00	9,951.45	
Total TCE Purchased and Re-used, minus Waste			**199,029** **99.51**	**lbs** **tons**		**9,951.45** **4.98**	**lbs** **tons**

6.22 tons per coater @ 16 coaters

Notes:

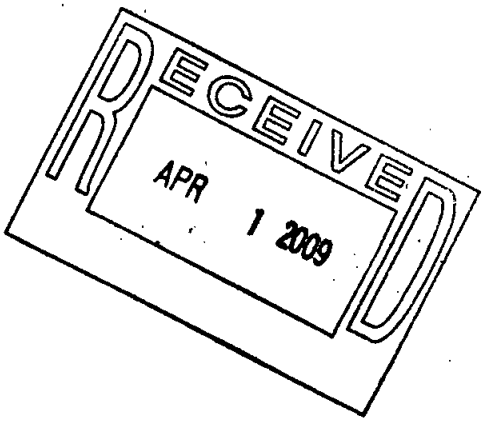
1. All coaters operated 5 days per week and 24 hours per day.

Total Facility Emissions of Trichlorethylene in 2008 = **4.98 tons** 16 coaters in 2008

= 0.31 tons per coater

Overall control efficiency to be applied on emission inventory forms = **95.0%**

Water Gremlin Co.
1610 WHITAKER AVE., WHITE BEAR LAKE, MINNESOTA 55110, USA
651 429-7761 • 800 328-1440 • FAX 651 429-9611



March 25, 2009

Michael Smith
Minnesota Pollution Control Agency
Environmental Analysis and Outcomes Division
Environmental Data Management Unit
520 Lafayette Road North
St. Paul, MN 55155-4194

RE: 2008 Annual Emissions Inventory for Water Gremlin Co.
MPCA Facility ID 12300341

Dear Mr. Smith:

Enclosed, please find the annual emissions inventory for calendar year 2008 for Water Gremlin Co. All emissions for the facility have been calculated based upon usage records, stack test data from a test performed in 2002, and also account for all solvent waste removed from the facility.

A worksheet is attached which shows the calculation of VOC emissions from Water Gremlin for 2008. If you have any questions concerning this inventory, please contact me at (651) 429-7761 or our air quality consultant, Michael Westereng of HDR at (763) 278-5929.

Sincerely,

David Zinschlag
Environmental, Health and Safety Manager

enclosures: 2008 Inventory Forms, Calculation Spreadsheet