



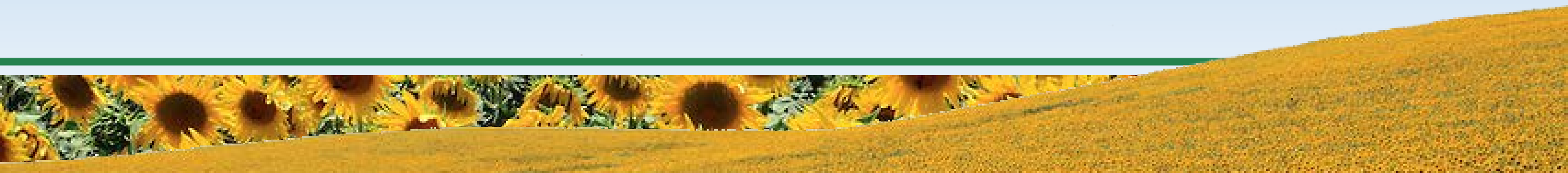
K A N S A S

SBEAP

Small Business Environmental Assistance Program

12-Month Rolling Totals and 12-Month Rolling Averages

March 22, 2018, Webinar for Class II Sources





Permit Terms

Reporting Period

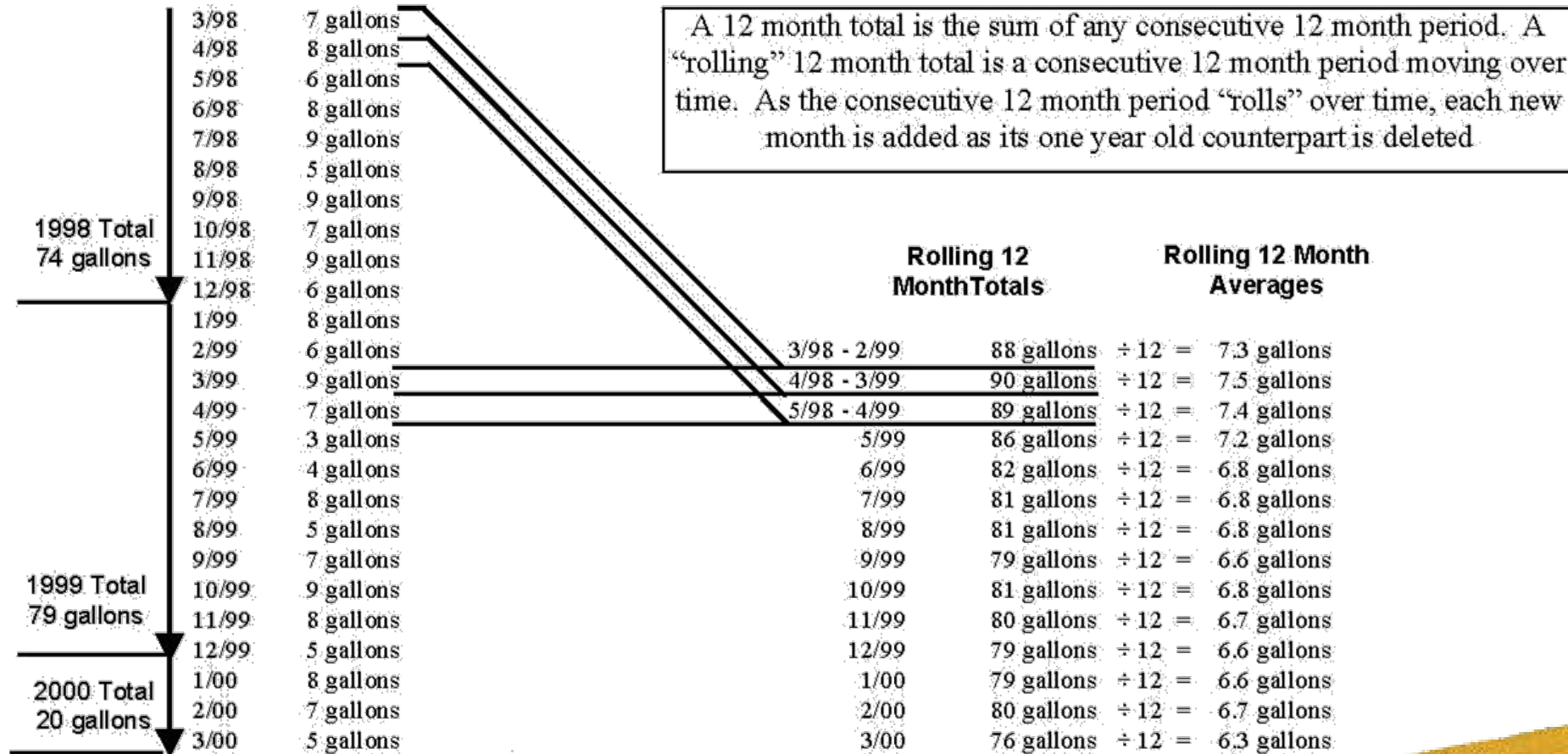
- Calendar-
one year from Jan. to Dec.
- Rolling-
any consecutive 12 months,
e.g. April 2017 - March 2018.

Type of Calculation

- Total:
sum of the numbers
- Average:
sum of the numbers divided by
count of the numbers

KDHE Guidance Document

<http://www.kdheks.gov/air-permit/forms/KDHE-Rolling-Totals-Avgs.pdf>



Four-Calendar-Quarter Requirement and the 85% Threshold

Data exceeding 85% of the permit limitation is required to be reported within 45 days of the last day of the month following the conclusion of the calendar quarter.

Calendar Quarters		
January	February	March
April	May	June
July	August	September
October	November	December

Class II Permit by Rule Operating Permit Tools

www.sbeap.org/tools/class-ii-permit-by-rule

Available for-

- reciprocating engines
- organic solvent evaporative sources
- hot mix asphalt facilities
- sources with actual emissions less than 50% of major source thresholds

The image displays four video thumbnails arranged in a 2x2 grid. Each thumbnail features a blue header with a logo and the text 'Permit-by-rule tool webinar - [Category] from PPI/SBEAP'. The main title of each video is 'Permit-by-Rule Tool' followed by the category name. The video player interface shows a play button, a progress bar, and the Vimeo logo. The categories are: 1. Reciprocating engines (24:35), 2. Organic solvent evaporative sources (31:42), 3. Hot mix asphalt facilities (20:38), and 4. Sources with actual emissions less than 50% of major source thresholds (41:22). Each thumbnail also includes a heart icon, a clock icon, and a share icon.

Other SBEAP tools which calculate 12-month rolling totals or averages

Available at <http://www.sbeap.org/tools/potential-to-emit-calculators>

Painting and Coating PTE Calculator

Facility name							
Summary of totals for consecutive 12-month period ending with the month of: November 2014							
Assumptions				Permits Needed²			
In Johnson or Wyandotte County?	No	Class I/II Permit Needed?	NO	Annual hours of operation:	2080	Construction Permit Needed?	NO
Transfer Efficiency (TE): ³	60%	Construction Approval Needed?	NO				
Pollutant	Emissions			KDHE permit thresholds			
	ACTUAL (tons/year)	PTE (tons/year)	PTE (lbs/24 hrs)	PTE (lbs/hr)	Class III permit (tons/year)	Construction permit (tons/year)	Construction approval ¹
VOCs	2.06	8.69	47.60	1.98	100	40	50lbs/24hrs
PM ₁₀ (based on TE)	1.51	6.35	-	1.45	100	15	2lbs/hr
Total HAPs	1.32	5.576	-	-	25	25	-
Triethylamine	0.311	1.312	-	-	10	10	-
Ethyl benzene	0.118	0.496	-	-	10	10	-
Xylene	0.646	2.721	-	-	10	10	-
Methanol	0.248	1.046	-	-	10	10	-
HAP	0.000	-	-	-	10	10	-
HAP placeholder	0.000	-	-	-	10	10	-
HAP placeholder	0.000	-	-	-	10	10	-
HAP placeholder	0.000	-	-	-	10	10	-
HAP placeholder	0.000	-	-	-	10	10	-

Welding PTE Calculator

Welding emissions for 12-month rolling total ending with: October													
Welding type	AWS classification	Emission factors	Emissions										
			lb/1000 lb of electrode consumed										
Type of welding wire	Welding process	Electrode type	Flux	Cr	Cr (VI)	Co	Mn	Ni	Pb	PM10	Cr (VI)	Co	
Sample welding type 1	SMAW	E11018	16.40	ND	ND	ND	1.38	ND	ND	0.523			0
Sample welding type 2	SMAW	E6010	25.60	0.00	0.00	ND	0.99	0.00	ND	7.167	0.001	0.000	0
Sample welding type 3	SMAW	E316	10.00	0.52	0.33	ND	0.54	0.05	ND	9.600	0.501	0.319	0
Sample welding type 4	FCAW	E110	20.80	0.00	ND	ND	2.02	0.11	ND	22.878	0.002		2
Sample welding type 5	GMAW	E70S	5.20	0.00	ND	0.00	0.32	0.00	ND	3.276	0.001		0
Sample welding type 6	SAW	EM12K	0.05	ND	ND	ND	ND	ND	ND	0.027			0
Sample welding type 7													
Sample welding type 8													
Sample welding type 9													
Sample welding type 10													
Sample welding type 11													
Sample welding type 12													
Sample welding type 13													
Sample welding type 14													
Sample welding type 15													

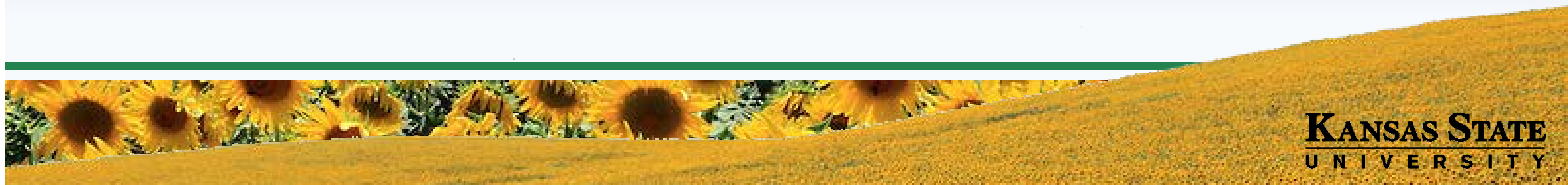
Abrasive Blasting PTE Calculator

Mailing address:	123	Abrasive Equipment Type	Enclosed Wheel or Paddle Propelled Cabinet Unit
City, state zip code:	Topeka, KS 66612	Manufacturer name:	Wheel-abrator Blaster
Note:		Model:	HH350
Yellow boxes = you enter information		Serial number:	12345678
Blue boxes = calculated from information you enter		Manufacture date:	12/15/1995
		Manufacturer rated maximum abrasive throughput in pounds per hour (lb/hr):	275
			<i>If you do not have the manufacturer's rated throughput to enter here, then use Table 2, 3 or 4 to determine throughput.</i>
		Table 2 For wheel or paddle propelled enclosed cabinets, if you do not have the manufacturer's rated abrasive throughput, it can be calculated from the horsepower of the motors operating the wheels or paddles.	
		What is the horsepower (hp) of each single motor powering the wheels/paddles?	25
		Number of motors:	20
		Calculated maximum abrasive throughput in lb/hr: ⁴	250



Rolling 12-Month Calculator for General Sources

Tool Demonstration





Tool Limitations

This tool does not-

- Calculate emissions,
- Calculate more than one limit per workbook,
- Calculate hour-by-hour averages,
- Convert units of measure, or
- Update to meet new or revised limits.