

Populations, Activity and Emissions of Diesel Nonroad Equipment in EPA Region 7

On-Site Inventory Form Appendix D

Assessment and Standards Division
Office of Transportation and Air Quality
U.S. Environmental Protection Agency

Prepared for EPA by
Eastern Research Group, Inc. (ERG)
EPA Contract No. EP-C-06-080

On-Site Inventory Form

Date: __/__/____

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Establishment Sample	Establishm	Site #	Site Descripti	Equip ID # (Field)	Inventory Date	Equipment Type	Manufacturer/Make	Model	Serial No.	Serial #	Ve	Model Yea	HP	Hour Meter	PAMS Elig.	PEMS Elig.	eligibility
7001437		1		1	6/4/2007	Compact Skid Steer Loader	Ingersoll Rand Bobcat	S300, Turbo, High Flow	5.26E+08	Yes		2004	81	1413.0	Y	N	0
testing123		1		1		Grader	Cat	d300	123			2001	99.0	1451.0	Y	Y	1
testing123		1		2		loader	Case	e450	4567			2000	101.0	3600.0	Y	Y	1
testing123		1		3		pusher	Rand	f398	891011			1999	150.0	3200	Y	Y	1
testing123		1		4		Shover	Johnny	g45h	121314			1998	95.0	2800.0	Y	Y	1
testing123		2		1		dozer	Kudasai	lku765	151617			1997	125.0	4500	Y	Y	1
testing123		2		2		minidigger	Casey	k8gh6	181920			2002	80.0	2000	Y	N	0
testing123		2		3		excavator	Liebherr	jh34	212223			2003	120.0	800	Y	Y	1
testing123		2		4		LIFTER	Kildare	367hu	234556			2004	240.0	10000	Y	Y	1
testing123		2		5		compactor	Mack	345-gl	263748			2005	185.0	1200	Y	Y	1
testing123		2		6		driller	Vermersch	bn589	124578			2006	57.0	350	Y	N	0
testing123		2		7		destroyer	Helryder	df666	6897			1995	450.0	15000	Y	Y	1
testing123		2		8		devastator	Thor	er4567u	45126			1994	350.0	3000	Y	Y	1

14-Jun-07

GENERAL

The sampling procedure uses only columns between A and Q inclusive in the worksheet "On-site inventory_all." The MY and HP columns have been moved so as to sit between A and Q. Any columns to the right of Q can be modified or new information can be inserted in blank columns between AW and BO without affecting the sampler.

The sampling procedure can handle up to 20 pieces for a site. If more than 20 pieces are encountered, it will be necessary to expand its capacity.

The ordering of the worksheets should not be changed; at a minimum, the worksheet "selection" must remain as the fourth sheet from the left

Enter information only into cells with text in BLACK

CELLS WITH TEXT IN BLUE CONTAIN FORMULAS AND SHOULD NOT BE CHANGED.

The sheet "selection" is blank, but do not delete or modify it

Model year, size and Usage

if HP, MY or hourmeter readings are unknown or missing, enter a TEXT VALUE, such as 'unk' or 'unavail'; the sampler will work with these values.

Eligibility

For each equipment piece listed, enter values in the "PEMS elig." and "PAMS elig." fields, as "Y" if eligible,
"N" if not eligible.
The sampler will work with these values in column Q

SAMPLING

go to the "sampling" sheet

Enter the Establishment Sample# in cell B3
(=1 UNLESS MULTIPLE SITES INVENTORIED FOR ESTABL)

Enter the Site # in cell C3

Enter 1 for eligibility in cell D3

If sampling for PEMS, **enter nothing** in cell D4, or delete any entry present

If sampling for PAMS, **enter 0** in cell D4

If sampling for PAMS,

Enter the number of pieces to select in cell J5 (USUALLY 2)

Hit the keys "**Ctrl+e**" to extract available pieces from the data block in "On-Site inventory_all" (macro extractPieces)

IF THE LETTER DEPTH IS NOT AN INTEGER, enter an integer in the cell J3 (weight expansion), so that the letter depth becomes an integer. This change increases the length of the letter string used, but preserves the relative weights of the pieces.

Hit the keys "**Ctrl+g**" to draw a set of replicate samples and store a record of the sample in the sheet "Selection (2)" (macro getSample)

MANUALLY RENAME THE SHEET "selection (2)" to describe your selection before running another selection. If you do not do so, your current selection will be overwritten the next time you run the selection macro!

no. pieces available 0

letter depth 0

[illegible]

Date: 1/5/2010 10:50

Establishment Sample # Site # eligibility
testing123 2 1

0

no. pieces available 0

Selection Parameters
weight expansion factor 1
sum of Weights 0
no. pieces to select 2
letter depth 0

rand		letters used	pieceNum	Sampling Class	Equipment Type	Manufacturer/Make	Serial No.	weight	expWts	letter sequence	rand	letters used	1st select	2nd select	3rd select	4th select	5th selection
1	0.674324		1								0.988445	F					
2	0.722095		2								0.922153	C					
3	0.922153		3								0.722095	B					
4	0.483333		4								0.674324	A					
5	0.443679		5								0.483333	D					
6	0.988445		6								0.443679	E					
7	0.393504		7								0.393504	G					
8	-9999		8								-9999						
9	-9999		9								-9999						
10	-9999		10								-9999						
11	-9999		11								-9999						
12	-9999		12								-9999						
13	-9999		13								-9999						
14	-9999		14								-9999						
15	-9999		15								-9999						
16	-9999		16								-9999						
17	-9999		17								-9999						
18	-9999		18								-9999						
19	-9999		19								-9999						
20	-9999		20								-9999						
21	-9999										-9999						
22	-9999										-9999						
23	-9999										-9999						
24	-9999										-9999						
25	-9999										-9999						
26	-9999										-9999						





no. selectic 7

1 2 3 4 5

[illegible]

2008