Terex Coventry: Determining Compliance with Target Emission Value

List of Products Used During Period: 2017

How to use worksheet:

= Cells which the required data is to be inserted

= Calculation cells (locked)

Estimated opening stock

Estimated closing stock

Product	Description	VOC Content (g/l)	Solids Content (g/l)	Products at Start of Period	Volume of Product (litres) per Month												Products at End of	Total Products	Total Solvents Content (l1)	Total Mass of Solids
					Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec				
Beckers	INTENTIONALLY BLANK																			
045/0071/F9	ACID COMPONENT	787	53	0														0	0	0
045/2005/A7	HI SOLS EPOXY CURING AGENT	243	721	0														0	0	0
045/7009/A9	ACTIVATOR FOR PU	502	492	505	1,025	1,025	1,435	1,025	1,025	1,640	1,025	1,230	820	410	615	205		11985	6016110.45	5896979.55
045/7009/F9	ACTIVATOR FOR PU	502	492	35	70	20	70	100	60	135	30	85	100	75	75	55		910	456792.7	447747.3
046/0085/F4	THINNER	861	0	70	55	80	65	180	75	125	45	40	50	95	90	30		1000	861000	0
046/0309/F4	THINNER	883	0	90	20	50	40	65	45	60		40	55	80	30	20		595	525385	0
046/0373/F4	THINNER REPAIR BLENDING	902	0	25		10	15		10	10	15		10					95	85690	0
046/0391/F4	PANEL WIPE	788	0	25	10	5	15	55	75	15					15			215	169420	0
122/1109/F8	JCB 40% HI OPACITY ALKYD TOUCHUP	356	831	25														25	8900	20775
429/7024/G9	GRAPHITE GREY RAL7024 ACR TOUCH UP	378	590	0														0	0	0
180/2099/F8	RAL 1013 PEARL WHITE TOUCH UP ENAME	477	765	0														0	0	0
426/H961/G9	BLACK 40GU ACRYLIC TOUCH UP	454	735	6	8	10	16											40	18160	29400
429/3002/G9	CARMINE RED RAL 3002 AIR DRY T/UP	433	592	5														5	2165	2960
439/H143/G9	CONSTRUCTION YELLOW FG QAD ENAMEL	487	533	5														5	2436.78	2663.22
274/2003/B1	K5 BUFF HI SOLS 2PK EPOXY PRIMER	266	1447	0														0	0	0
276/1017/PK	GREY RAL 7037 FLOOR PT(INC ACCEL)	7140	16524	0						3	2		1	2	2			10	71400	165240
400/0090/A6	CLEANING SOLVENT	849	0	2040	2,050	2,460	3,280	3,690	1,845	4,715	1,845	3,280	4,100	2,460	2,665	1,435		35865	30449385	0
400/0090/M8	CLEANING SOLVENT	849	0	50	175	150	200	275	50	300	100	225	150	175	250	100		2200	1867800	0
497/0186/F8	SILVER 2 PK POLYURETHANE FINISH	452	730	0														0	0	0
497/0520/L15	FINISH JCB BLACK 40% GLOSS PU OEM	436	929	10														10	4360	9290
497/0549/C1	STRUCTURED PEARL WHITE 2K PU FINISH	401	1091	180		180	180	180		180	180	180	180	180				1620	649216.944	1767823.056
497/0549/F8	STRUCTURED PEARL WHITE 2K PU FINISH	401	1091	15	10	5				10			25		20			85	34063.852	92756.148
497/0556/C1	STRUCTURED GREY RAL 7024 2K PU FIN	409	947	230	540	720	900	720	720	900	540	360	540	180	360			6,710	2746915.644	6351844.356
497/0556/F8	STRUCTURED GREY RAL 7024 2K PU FIN	409	947	15	30	5	20	90	50	50		10	10		10			290	118719.156	274520.844
609/3002/L15	STRUCTURED RAL 3002 2K PU FIN	410	795	60	60	40		80	40	40	100		160					580	237765.78	461134.22
490/H109/B1	K5 BUFF STRUCTURED 2K EPOXY PRIMER	291	1377	0														0	0	0
539/2011/L15	DEEP ORANGE RAL2011 FG 2K PU FIN	412	805	0														0	0	0
539/6029/F8	MINT GREEN RAL6029 FG 2K PU FIN	407	731	0			30											30	12210	21930
539/H540/L15	GENIE BLUE F/G 2K PU FINISH	407	809	0														0	0	0
539/H143/F8	CONSTRUCTION YELLOW 2K PU FINISH	407	823	155		10				55								220	89514.48	181085.52
539/H538/L15	ONE CALL TURQUOISE FG 2K PU FINISH	379	1063	0														0	0	0
539/H143/C1	CONSTRUCTION YELLOW 1007 2K PU FIN	407	823	0														0	0	0
429/3020/G9	TRAFFIC RED RAL 3020 ACR TOUCH UP	433	592	0														0	0	0
490/H123/B1	PRIMER LIGHT BUFF K5 BASE COAT	288	1321	1500	1,800	4,290	4,200	4,400	3,400	5,600	3,400	2,800	2,400	1,000	1,400	785		36975	10648800	48843975
629/H101/L15	FINISH JCB YELLOW 2K PU OEM	404	801	0														0	0	0
045/2012/A1	ACTIVATOR FOR K5 PRIMER 490/-	446	473	325	820	615	1,025	820	615	1,025	615	615	410	205	410			7500	3342862.5	3549637.5
439/H101/F8	JCB YELLOW HI OPACITY ALKYD FIN	491	529	10	5	10			15	20			15		10	20		105	51600.78	55499.22
158/0124/F9	PT PRE TREAT ETCH PR SPRAY 1/1	680	261	0														0	0	0
497/0556/L15	STRUCTURED GREY RAL 7024 2K PU FIN	409	947	180	180	180				20								560	229250.784	530109.216
539/3002/L15	CARMINE RED RAL3002 FG 2K PU FIN	477	923	0			20											20	9545.2	18454.8
429/H540/F9	GENIE BLUE ACRYLIC TOUCH UP	427	744	5														5	2135	3720
497/0555/L15	RAL 5010 HS 2K PU FINISH	404	859	0														0	0	0
539/H160/F8	GEHL YELLOW 844068 2K FG PU FIN	428	721	0														0	0	0
539/H763/F8	GEHL GREY 404464 2K FG PU FIN	369	789	0														0	0	0
046/0309/L16	THINNER (SPOUT LID)	883	0	15														15	13245	0
497/0549/L15	STRUCTURED PEARL WHITE 2K PU FINISH	401	1091	100												60		160	64120.192	174599.808
045/0268/F9	ACTIVATOR FOR K3 PRIMER 510/-	612	297	10				80	50	70								210	128520	62370
510/H123/F8	PRIMER LIGHT BUFF K3 BASECOAT	507	944	10														10	5070	9440
539/5015/L15	SKY BLUE RAL5015 FG 2K PU FIN	399	940	0														0	0	0
426/H961/H9	BLACK 40GU ACRYLIC TOUCH UP	454	735	0	8	10	16	14		19	11		10		9			97	44038	71295
DUS70149C	2 PACK ETCH HARDENER (4 KILOS)	797	13	10						8								18	14346	234
VYS10725	2 PACK ETCH PRIMER BASE (4 KILOS)	713	167	10						8								18	12834	3006
276/1007/PK	YELLOW 08E51 2PK EPOXY FLOOR PAINT	7140	16524	0														0	0	0
276/1010/PK	BLUE 18E53 FLOOR PT(INC ACCEL)	7140	16524	0						2	2		2		4			10	71400	165240
497/0520/F8	FINISH JCB BLACK 40% GLOSS PU OEM	436	929	345	10	5	15	20	10	10	15	10	15		50			505	220180	469145
539/1027/F8	CURRY RAL1027 FG 2K PU FINISH	428	707	0														0	0	0
146/0533/F8	LIGHT BUFF A/D ALKYD PRIMER	496	751	0														0	0	0

429/7024/F9	GRAPHITE GREY RAL7024 ACR TOUCH UP	378	590	0														0	0	0
539/B226/F8	226 MID BRUNSWICK GREEN 2K PU FIN	412	715	0														0	0	0
497/0520/A1	FINISH JCB BLACK 40% GLOSS PU OEM	436	929	0	820	815	410	410	820	1,025	820	410	410					5940	2589840	5518260
539/H645/F8	GENIE SUNBELT GREEN FG 2K PU FIN	436	675	0														0	0	0
490/H123/L15	PRIMER LIGHT BUFF K5 BASE COAT	288	1321	0														0	0	0
537/H532/L15	GENIE BLUE 60% GLOSS 2K PU FINISH	439	897	0														0	0	0
537/H532/C1	GENIE BLUE 60% GLOSS 2K PU FINISH	439	897	0														0	0	0
276/1006/PK	LT GREY 00A05 2PK EPOXY FLOOR PAINT	7140	16524	0														0	0	0
276/1019/PK	CLEAR EPOXY FG FLOOR PT (INC ACCEL)	7140	16524	0														0	0	0
062/0226/F4	PU CURE PROMOTER	793	88	0														0	0	0
274/0296/F9	BUFF HIGH BUILD 2PK EPOXY PRIMER	491	937															0	0	0
276/1008/PK	WHITE 00E55FLOOR PT(INC ACCEL)	7140	16524	0						1		2	1		1			5	35700	82620
276/1016/PK	GREY RAL 7035 2PK EPOXY FLOOR PAINT	7140	16524	0														0	0	0
439/3020/H2	RAL 3020 RED GLOSS ALKYD FINISH	486	598	0														0	0	0
439/7024/H2	GRAPHITE GREY RAL 7024 ALKYD FIN	478	650	5	13		14	16	4	18		8	10					88	42064	57200
439/H143/H2	CONSTRUCTION YELLOW FG QAD ENAMEL	518	558			10									10	20		40	20720	22320
439/H540/H2	GENIE BLUE GLOSS ALKYD FINISH	493	689	0														0	0	0
539/3020/L15	RAL 3020 RED 2K FG PU FIN	399	803	0														0	0	0
539/H143/L15	CONSTRUCTION YELLOW 1007 2K PU FIN	399	807	0		40				20						40		100	39882.42	80717.58
539/H540/F8	GENIE BLUE F/G 2K PU FINISH	454	704	0														0	0	0
629/H101/A1	FINISH JCB YELLOW 2K PU OEM	401	795	0									410	205	410			1025	410553.91	815346.09
629/H101/F8	FINISH JCB YELLOW 2K PU OEM	401	795	0	30													30	12016.212	23863.788
276/1004/PK	BLACK RAL9005 2PK EPOXY FLOOR PAINT	7140	16524	0														0	0	0
276/1006/PK	LT GREY 00A05 2PK EPOXY FLOOR PAINT	7140	16524	0														0	0	0
276/1029/PK	YELLOW 2K FLOOR PT	7140	16524	0						2	2		2		1			7	49980	115668
629/H101/L15	FINISH JCB YELLOW 2K PU OEM	401	795	0														0	0	0
539/H603/F8	SUNBELT GREEN 2K FG PU FIN	404	932	0														0	0	0
539/2000/L15	RAL 2000 FG 2K PU TOPCOAT	482	730	0														0	0	0
539/2004/F8	PURE ORANGE RAL2004 FG 2K PU FIN	400	838	0														0	0	0
510/H123/F8	LIGHT BUFF EPOXY YELLOW	507	959	0														0	0	0
276/3002/PK	RAL 3002 2PK EPOXY FLOOR PAINT	7140	16524	0														0	0	0
062/0349/F4	ADHESION PROMOTER	830	34	0									10					10	8300	340
609/h101/B1	STRUCTURED JCB YELLOW 2K PU FINISH	425	763	355														355	150875	270865
539/3004/L15	PURPLE RED RAL3004 FG 2K PU FINISH	467	785	0														0	0	0
439/1013/F8	RAL 1013 PEARL WHITE TOUCH UP ENAME	477.3006	764.6994	0		15			5	10	5		10		10			55	26251.533	42058.467
490/H123/N2	PRIMER LIGHT BUFF K5 BASE COAT	287.1709	1319.8291	0	570													570	163687.413	752302.587
PD106-5001S/F	BECKRYSIL GREY BLACK	556	807	0			5											5	2780	4035
609/H101/A1	STRUCTURED JCB YELLOW 2K PU FINISH	425	763		1,025	1,230	1,230	1,230	820	1,435	980	960								
539/6029/F8	MINT GREEN RAL6029 FG 2K PU FIN	431	825	0			30			0										
539/3002/L15	CARMINE RED RAL3002 FG 2K PU FIN	410	875	0			20													
045/0268/M9	ACTIVATOR FOR K3 PRIMER 510/-	612	297	0				25												
045/7009/M9	ACTIVATOR FOR PU	502	492	0				25												
497/0520/L15	FINISH JCB BLACK 40% GLOSS PU OEM	436	930	0				200					60							
510/H123/N9	LIGHT BUFF EPOXY YELLOW	507	959	0				315	210	150										
538/H174/F8	MECALAC YELLOW 2K PU FINISH	420	841	0				10	50											
538/H174/L15	MECALAC YELLOW 2K PU FINISH	420	841	0				40		60		60								
536/H781/L15	MECALAC GREY 2K PU FINISH	400	1032	0				100	100	100		300	360	320	700	560				
436/H781/H9	MECALAC GREY 40% GLOSS ALKYD T/ UP	460	770	0					10	10					20					
438/H174/H9	MECALAC YELLOW 75% GLOSS ALKYD T/UP	498	604	0					10	10										
539/1002/F8	SAND YELLOW RAL 1002 FG 2K PU FIN	385	1043	0						10										
609/H101/F8	STRUCTURED JCB YELLOW 2K PU FINISH	425	763	0							80									
538/H174/B1	MECALAC YELLOW 2K PU FINISH	420	841	0									200		400	200				
539/H782/F8	Light Grey NCS2502-Y 2K PU Finish	369	161	0										30						
539/H320/L15	TRAFFIC RED RAL 3020 2K FG PU FIN	402	800	0												20				
																		0	0	0
				6,426	9,334	11,990	13,251	14,165	10,114	17,871	9,812	10,615	10,526	5,417	7,567	3,550	**Grand Totals**	**116933**	**62838008.73**	**77468471.27**
MACHINE UNITS																	**0.0**			
SOLVENT PURCHASED PER MACHINE UNIT					#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	**#DIV/0!**			
AVERAGE						#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	**#DIV/0!**			

Step 1: Determining Annual Solvent Emissions

Annual Actual Solvent Emission = I1 - O6 - O7 - O8, which equals	**22772**	kg
I1 = Total Organic Solvent Input	62838	
O6 = Organic solvents collected in wastes (annual)	40065.6	(available from waste management contractor)
O7 = Organic solvents contained in preparations sold to a third party (annual)		(if applicable)
O8 = Organic solvents contained in preparations recovered for reuse (annual)		(if applicable)

Step 2: Determining Total Mass of Solids

Total Mass of Solids = Initial Solids + Purchased Solids - Final Solids, =	77468	kg

Step 3: Target Emission Value

Enter Mass of Solids multiplier based on Solvent usage (condition 7 of Permit)	0.37	
Target Emission Value = Total Mass of Solids x Multiplier, which equals	28663.33437	kg

Step 4: Determination of Compliance
Compliance is achieved if the annual actual solvent emission is equal or less than the target emission value.

Annual Solvent Emissions	22772	kg
Target Emission Value	28663	kg
Difference	-5891	kg
Is the solvent emission level lower than the target emission value?	**Yes**	
%AGE BELOW TARGET	-21%	