

JOB Ontario C	ounty La	ndfill / Lar	dfill Expansion
SHEET NO.	1	OF	8
CALCULATED BY	KCW	DATE	11/3/2011
CHECKED BY		DATE	

	270	LIWO				5200 · F									SUB	JECT	Fu	gitive	e PN	<i>I</i> -10	Unco	ontro	lled	Emis	ssion	s Su	mma	ıry
Est	ima	te o	f Pa	rtic	ulate	е Ма	itter	(PN	I-10)	Em	nissi	ions	5															
PM <sup>.</sup>	-10	Gen	erat	ion S	Sum	mary	У						Em	issic	n R	efere	ence								lb P	'M-1	0/ D	ay
					<u></u>	<u></u>																						
						Site																					9.25	$\rightarrow$
						Site			(Unp	oave	ed R	oad														236		$\dashv$
				<u> </u>		d Ro	ວads	,)									3.2.4	4									.83	$\rightarrow$
					oadi	ng)									13.2											0.		$\dashv$
Wo	rkın	g Fa	ice (	Cove	<u>}r</u>	$\vdash$	_						AP-	42:	11.9	)						T - 1			<del>                                     </del>	5.0		$\dashv$
					+	+																Tota	aı =		-	521	.82	
	21.8	22	/lh	DN/I	10/6	day) :	v 1/	2000	(ton	/lh)	v	3	07	(day	ys/yı	٠, –	80	1										_
	21.0	)_	(ID	IVI-	10/0	ay)	X 1/2	1000	(101	1/10)	^	3	01	(ua	y S/ y i	) –		0.10	,	Ton	e II	nco	ntro	مالد	I PM	-10/	٧r	
					+	+											- 0	0.10	<u>,                                     </u>	1011	3 0	iico	11110	iiec	1 101	-10/		
Fm	issir	ns l	=stir	nate	 .ς Δς	ssum	nntio	ns.																				
	13310	/113 1	_5(11	liate	3710	Journ	iptio	110.																				
1)	Vel	nicle	wei	ahts	est	imate	ed b	v ve	hicle	typ	e ar	nd lo	ad c	apa	city													
,				•		truck		•								vast	e tru	cks	to tl	ne w	orkii	ng fa	ace p	oer	day.			
					-								•												Tanl	kers	pei	day
2)	All	trucl	ks a	re er	mpty	/ leav	ving	lanc	lfill.																			
3)	Pre	cipit	atio	n - A	\ssu	me 1	171 <sub> </sub>	prec	ipita	tion	day	s pe	r yea	ar. (	(>0.0	)1" p	recip	o.) (	Syra	cus	e, N	Y D	ata)					
4)	Vel	nicle	Spe	eeds	ave	erage	e 15	mph	١.																			
5)	Sol	id w	aste	and	uls t	dges	s cor	ntain	s no	PN	1-10	con	tent.															
		Ass	sume	e AL	L PI	M-10	) ger	nera	ted f	rom	roa	d tra	affic	& co	ver	soil	opera	atior	ns.									
6)	Ass	ume	e ne	gligi	ble v	weigl	ht ch	nang	e on	sup	opor	t vel	hicle	trip	s (i.e	e. sa	me v	veig	ht ir	n/out	).							
7)	Ме	an V	Vind	Spe	ed ·	- Ass	sume	e 9.4	1 MP	) H	Syra	CUS	e, N`	Y da	ta)													
8)						s pe										ons												
9)	Roa	ad le	engtl	ns de	eterr	mine	d fro	m a	naly	sis (	of C	AD s	site p	olans	S													
					_	+																						
					$\vdash$	$\vdash$		-																				
					+	+																						
					1	+-																						$\rightarrow$
					-	+																						$\dashv$
				1	+	₩	<del> </del>	<del> </del>							-										<del>                                     </del>			



JOB <u>Or</u>	itario County La	andfill / L	andfill Expansion
SHEET NO.	2	OF	8
CALCULATED E	KCW KCW	DATE	11/3/2011
CHECKED BY		DATE	
SUBJECT	Fugitive PM-10	) Emissi	ons Paved Roads

			Phon	e 315-	431-32	.oo · ra	ix 315-451	-0052								9											
<u>Es</u>	stima	te of	Part	icula.	ate N	<u> ∕latte</u>	r (PM-	10) E	<u>Emissi</u>	ons_																	
<u>Pa</u>	<u>aved</u>	Roac	1 - <u>ak</u>	<u>Emi</u> s	ssior	ı Fac	tors D	erive	d from	ı AP-	42: 1	3.2.1	I (1/	11)							l						l
	Eex	<sub>kt</sub> = [k	c x (:	sL) <sup>0</sup>	.91 <b>X</b>	(W) <sup>1</sup>	<sup>.02</sup> ] x (	1-P/4	1N)		$\perp$	<u> </u>		Ī							!  !						- 
	Wł	here:	 	_	_ 							T									 		_	_			— I
		E <sub>ext</sub>	= Aı	กทนะ	al siz	ze-sp	ecific (	emiss	sion fa	ctor	extra	polat	ed fo	or na	atura	ıl mit	tigat	ion (	lb/V	/MT)	)						
		k =	PM-	10 r	nulti	plier	(lb/VN	ЛТ) =	: 0.002	22 lb/	VMT	(Tal	ble 1	3.2-	-1.1)												
						•	ilt Loa									-4)											
							/eight				Ţ	T															
							oitation	`	,	vear	(>0.0°	1 in r	oreci	pita	tion)	=		17	1	day	s (S	yracu	ıse.	NY	Data	a)	
	1						in the		-		•			•			age						j			-,	
	$\dagger$				Ī	,			1 1				~ J - ,				<u>~ 5 - ,</u>				<del></del>						
	+	Ver	nicles	s to '	Wor	kina	Face (	WF):	-												<del></del>		$\exists$				
	+						Trucks		1					==>	> ave	erage	÷ w€	eiaht	_	2	0	tons					
	+		10				Frailers				1	†			> ave					32		tons	$\exists$				
	+		15 Support Vehicles (Onsite) ==> avera																	2.		tons	$\exists$				
	+				<u> </u>				<u></u>		(WF)		24		tons												
	+	Tan	ker Trucks to Leachate Loadout (LL):																		-						
	+		1:			ker T	erage	e we	eight	=	3	2	tons														
	$\top$	T						Ť			T	Ť						V(LL)		3		tons					
	$\top$			$\Box$							$\top$								<u>/</u>		=						
	+			,							1	$\dagger$									<del></del>						
	+	Len	ath (	of P	avec	d Roa	ads:				1	$\dagger$									<del></del>						
	+		Ŭ				roads	leadi	ina to '	work	ing fa	ce			L(W	/F) =		1.3	35	mile	<del>.</del>						
	+						roads		-		-		ut		L(LL			0.5		mile							
	+			9	<u> </u>				1.9						_,_	-,											
	+	E(V	√F) :	= [O.	002:	2 x (7	7.4) <sup>0.91</sup>	x (W	/) <sup>1.02]</sup> x	(1-1	71/(4	x 36	35)) :	<u> </u>				0.3	16	lb/V	MT		$\exists$				
	+		22				y x 2 w				mil		T		lb/V	МТ	=					0/day	,				
	+			<u></u>		<u> </u>			Ì		<u> </u>	Ī	-														
	+	E(L	L) =	0.0	022	x (7.	4) <sup>0.91</sup> x	(W)	1.02] X	 (1-17	 '1/(4 )	× 365	5)) =		<u> </u>			0.4	12	lb/V	MT						
	$\top$						y x 2 w			0.52					lb/V	МТ	=	5.5				0/day	,				
	+	+								0.01							—		<u>,</u>			U, E.E.,	$\neg$				
	+							+			$\uparrow$												$\Box$				
	+			,							1	$\dagger$			тс	TAL	_=	199	.25	lb F	•M-1	0/da	v				
	+			,							1	$\dagger$															
	+	$\dagger$	$\Box$	-				+			+	T											$\exists$				
	_	+	$\vdash$		$\overline{}$	-+	-		_		_												$\dashv$		-	$\rightarrow$	



JOB Ontario	County La	andfill / L	andfill Expansion
SHEET NO.	3	OF	8
CALCULATED BY	KCW	DATE	11/3/2011
CHECKED BY		DATE	
suвјест Fugiti	ve PM-10 I	Emission	s - Unpaved Roads

Esti	imat	e of	Par	ticula	ate N	Лatte	er (F	РМ-1	0) E	mis	sion	S																
				(Unp									rs C	eriv	ved	fron	n AP	<b>2-42</b> :	: 13.	2.2 (	11/0	)6)						
																						,						
	E <sub>ext</sub>	=	k (s	/12) <sup>a</sup>	(W/	/3) <sup>b</sup>	x [(	365	-P)/:	365]																		
	Wh	ere:	_																									
		E <sub>ext</sub>	= A	nnua	al siz	ze-s <sub> </sub>	peci	fic e	miss	sion	fact	or ex	xtrap	olat	ted f	or na	atura	al mi	itiga	tion	(lb/∖	MT)	)					
		s =	Sur	face	mat	erial	silt	con	tent	for I	MSV	V La	ndfil	ls (9	%) =	= 6.4	%	(Tal	ole 1	3.2.2	2-1)							
				ean \																								
				lb/Vľ					2-2)																			
				(Tal																								
				5 (Ta								<u> </u>																,
		P =	Nur	mber	ot t	oreci	ipita	tion	days	s pe	r yea	ar (>	0.01	in	prec	ipita	tion)	=		17	71	day	s (S	yrac	cuse	, NY	Dat	a)
	Lon	ath	of LI	npav	rod I	Poo	do:																					
	Len			πραν ) =		43		26		l en	ath	of III	nnav	/ed	road	to v	vork	ina f	ace									
			(LL)			24							-			to le												
			(,		0						9		.,,,															
	E(V	√F) :	= 1.	5 x (6	6.4/1	12) <sup>0.9</sup>	<sup>9</sup> x	(W/	3) <sup>0.4</sup>	<sup>5</sup> X	[(36	65-17	71)/3	365]		=	1.1	168	lb/∖	MT								
	22	27	Trip	s/da	ıy x i	2 wa	ays x	ĸ	0.4	43	mil	es x	1.1	168	lb/∖	/MT	=	228	3.02	lb P	M-1	0/da	ay					
	E(L	L) =	1.5	x (6.	.4/12	2) <sup>0.9</sup>	х (	W/3	)0.45	х [	(365	5-17	1)/36	65]		=	1.3	314	lb/∖	/MT								
	1	3	Trip	s/da	ıy x 2	2 wa	ays >	Κ	0.2	24	mil	es x	1.3	314	lb/∖	/MT	=	8.	20	lb P	M-1	0/da	ay					
																	T	JΤΑ	L =	236	.22	Ib F	'M-1	10/d	ay			
																-			-						1			



JOB Ontario	County La	andfill / L	andfill Expansion
SHEET NO.	4	OF	8
CALCULATED BY	KCW	DATE	11/3/2011
CHECKED BY		DATE	
SUBJECT Fugitive	PM-10 Emi	ssions Bo	rrow Trucks/Soil Mining

			Thone 313		200 1		, 101																					
Est	imat	e of	Particul	ate N	_ √atte	er (P	<u>-</u> 'М-1	0) E	mis	sion	s																	
Во	rrow	Tru	ıcks (Uı	าpav	ed F	Roa	ds):	Em	issi	on F	act	ors	Deri	ved	fro	m Al	P-42	: 13	.2.2	(11/	(06)							
		W =	= Mean `	Vehic	cle V	 Veig	ght																					
	F	-ull	Γruck =	55.	.84	tons	s		(Te	rex /	A30I	D m	ax. g	gros	s ve	hicle	wei	ght)										
	Em	pty	Γruck =	24.	.84	tons	3		(Te	rex /	A30	D m	anuf	actu	ırer s	spec	ifica	tion	s)									
			Wave =	40.	.34	tons	3	42	= 8	avera	age	num	ber	of lo	ads	per	day	(ass	sume	full	lloa	d)						
																	,											
	Eex	ct = '	1.5 x (6.	- 4/12)	0.9	x (V	V/3)	0.45	x [(	365-	171	)/36	5]	=	1.4	458	lb/V	MT										
		Ass	ume bo	rrow	truc	ks h	naul	12 n	nont	ths c	f the	e yea	ar. /	Actu	al us	sage	exp	ecte	ed to	be	less							
		Ave	rage ler	igth (	of ur	npav	/ed r	road	=	3,5	500	fee	t															
					3,5	500	x 1	mile	/5,2	80 f	eet =	=	0.	66	mile	es												
		Bor	row truc	ks c	urre	∩tly l	haul	арр	roxi	imat	ely	4	12	loa	ds p	er da	ay.											
		42	loads/d	ау х	2 wa	ays 2	X	0.0	66	mile	es =	55	.44	VM	Т													
		PI	M-10 =	55.	.44	VM	Τx	1.4	58	lb/∖	/MT	=	80	.83	lb F	<b>PM-</b> 1	0/da	ay						<u> </u>				
							<u> </u>																	<u> </u>				
							<u> </u>																	$\perp$				
							<u> </u>																					
Soi			(Unloa				sion	fac	tors	deri	ved	from	AP.	-42:	13.2	.4 "A	ggre	gate	e Har	ndlir	ıg ar	nd S	tora	ge P	iles"	(11/	06)	
			3.2.4 eq			r I				whe																		
	E =	k(0.	0032) x		)1.3													ion f	acto		/ton	har	dled	(k	-			
			(M/	(2) <sup>1.4</sup>												ltipli			0.3						$\vdash$		<u> </u>	
																		-	r hou					).4		racu		NY)
											M =	= Ma	teria	al Mo	oistu	re C	onte	ent (	%) =	!	1	2	(Та	ble	13.2	.4-1)		
_	_					13																		-	<u> </u>		-	
	E =	0.3	5(0.0032			5) '			=	0.0	002	lb F	PM-1	0/to	n													
			(1	2/2)	1.4																							
			9				<u></u>		( - L -		4.0	200												-	$\vdash$			
			0.0002	1				T				300	ton					50			0/.1			1	-		-	
Р	M-1	0 =	0.0002	ID P	IVI-1	U/tOI	n x	2 (10	oad/	unio	aa)	X	13	300	ton	s =	0.	52	lb F	'IVI-1	U/a	ay		<b>!</b>				
_																								+				
																								+				
																								$\vdash$				
							<del> </del>																	_	+	├─	-	



290 Elwood Davis Road / Box 3107, Syracuse, New York 13220

JOB Ontario С	ounty La	ndfill / Lar	dfill Expansion
SHEET NO.	5	OF	8
CALCULATED BY	KCW	DATE	11/3/2011
CHECKED BY		DATE	

	290	Elwoo				ox 3107 5200 · I				ork 13	3220				SUB	JECT	F	-ugi	tive	PM-	10 E	mis	sion	s - \	Nork	ing	Fac	е	_
Esti	mat	e of	Par	ticula	ate I	Matt	er (F	PM-1	0) E	<u>-mis</u>	sion	<u>s_</u>																	
<u>Wor</u>	rking	g Fa	ce C	Cove	r Op	perat	tions	<u>s:</u>																					
	Emi	issic	n Fa	acto	rs D	erive	ed fr	om /	4P-4	<del>1</del> 2: 1	1.9	(10/	98),	13.2	2.3 (	11/0	6), 1	3.2.	4 (1	1/06	6)								
						<u></u>				$\vdash$				L														_	
	Equ	ıipm	ent	Utiliz	zed	Inclu	ıde:		3	Joh	n De	eere	850	) Bul	lldoz	er					2	hοι	ırs p	er d	ay				
						_			1	Joh	n De	eere	105	0 B	ulldo	zer					2	hou	ırs p	er d	ay		-		_
Ass	ump	tion	s:																										
	1)	Wa	ste r	mate	erials	s arr	ive r	nois	t - n	o siç	gnific	cant	PM-	-10.															
	2)	Wo	rst c	ase	- all	l ma	chin	ery v	vork	ing	at th	e sa	ame	time	٠.														
	3)	Ass	ume	e cov	er s	soils	are	use	d 12	. mo	nths	of t	he y	ear.															
Emi	issi	ons	bas	ed c	on T	able	<b>ə</b> 11.	9-1	Bu	lldo	zer l	Emi	ssio	ns															
I	E =	1.0	x (s	) <sup>1.5</sup> x	(0.	75)				whe	ere:																		
			(	(M) <sup>1.</sup>	4						E =	PM	l-10	emis	ssior	ns (II	o/hr)	ı		(fro	m T	able	11.9	9-1)					
											s =	Mat	terial	silt	con	ent	(%)	=	9	9		(AF	-42	13.2	2.4 -	Tab	le 1	3.2.4	<b>1-1</b> ]
											M =	Ма	teria	l mo	istu	re co	onte	nt (%	6) =	1	2		(Та	ble	13.2	.4-1)	)		
I	E =	1.0	x (9	) <sup>1.5</sup> x	<b>(</b> 0.	75)		=	0.6	625	lb/h	r																	
			(	12) <sup>1</sup>	.4																								
3	Bull	doz	er			0.6	625	lb/h	rх	2	hrs	/day	' =	3.	75														
1	Bull	doz	er			0.6	625	lb/h	rх	2	hrs	/day	' =	1.	25														
												Tot	al =	5.	00	lbs	PM:	-10/	day										
1							1										1			1	1								
									ļ	ļ																		₩	



Joв <u>Ontario</u>	County La	andfill / L	andfill Expansion
SHEET NO.	6	OF	8
CALCULATED BY	KCW	DATE	11/3/2011
CHECKED BY		DATE	
suвјест Fugiti	ve PM-10 I	Emission	s Control Efficiency

<u>Effi</u>	cien	cy o	Mit	igati	on N	/leas	sures	s on	Pai	rticu	late	Mat	ter (	PM-	10) E	<u>Emis</u>	sion	ıs:											
Pav	ed F	Road	ds:																										
For	Pav	ed F	Road	ds, c	ontr	ol ef	ficie	ncy	can	be (	estir	nate	by T	Tabl	e 2-4	4 fro	m <u>C</u>	ontr	ol of	Оре	en F	ugiti	ve D	Oust	Sou	ırces	<u>:_</u>		
(Co	whe	rd, E	Et. A	d. for	·US	EPA	۸), w	hich	n sta	ites	that	the	cont	rol e	efficie	ency	of v	vate	r flus	shing	g ha	s be	en r	nea	sure	d in	the		
field	l as:																												
		Ass	ume	e PM	1-10	con	trol i	is th	e sa	me	for F	PM-2	2.5.																
	Cite	d Et	ficie	ency	of w	/ater	flus	shing	g (%	) = (	69 -	0.23	31 V,																
		whe	ere \	/ = #	of v	vehic	cle p	ass	es s	ince	app	olica	tion																
		Ass	ume	e all	vehi	cles	ente	ering	g lar	ndfill	trav	el p	avec	d roa	ads t	o be	con	sen	ativ	e.									
	Ave	rage	e nu	mbe	r of	vehi	cle p	oass	ses s	since	e las	t ap	plica	tion	<u>:</u>														
		24	10	Con	nbin	ed v	ehic	les/	day	/ x 2	dire	ctio	ns =		48	30	Veh	icle	pas	ses/	day								
		4	1	# tin	nes	roac	ds w	ater	ed p	er c	lay																		
		48	30	pas	ses/	day	/ # a	appli	icati	ons/	day	=	1:	20	= V	= A	vera	ge \	/eh.	Pas	ses	betv	weer	n ap	plica	ation	s		
For	pav	ed r	oads	s, the	e es	tima	ted	effic	ienc	y is:																			
	C <sub>pav</sub>	<sub>red</sub> (	%) =	69 -	0.2	231 (	V)																						
	C <sub>pa</sub>	<sub>/ed</sub> =	ŀ	41	.3	%																							
Unp	ave	d Ro	oads	<u>s:</u>																									
For	Unp	ave	d R	oads	, co	ntrol	effi	cien	су с	an b	e es	stima	ate b	у ес	quati	on 3	3-2 fr	om	Con	trol o	of O	pen	Fug	itive	Dus	st So	ource	<u>s</u>	
(Co	whe	rd, E	Et. A	d. for	·US	EPA	۸), w	hich	n sta	ites	that	the	cont	rol e	efficie	ency	of u	ınpa	ved	roac	d wa	terir	ng is	:					
	$C_{unp}$	aved	=	10	0 -	[0	).8(p	)(d)	(t)]																				
							i	i																					
		whe	ere:																										
		C =	Ave	erage	e co	ntrol	effic	cien	су (	%)																			
		p =	Pot	entia	l av	erag	je ho	ourly	day	/time	e ev	apor	ratio	n rat	te (m	m/h	ır)												
		p =	0.00	)49 x	(Va	alue	in F	igur	e 3-	2) fc	r Ar	nua	ıl Co	nditi	ions														
		d =	Dail	y av	eraç	ge da	aytin	ne tr	affic	rate	e (h	1)																	
				icatio																									
				e bet						n)																			



Joв Ontario	County La	andfill / L	andfill Expansion
SHEET NO.	7	OF	8
CALCULATED BY	KCW	DATE	11/3/2011
CHECKED BY		DATE	
	D1440		0

							5-451-0	3032									agiti											
Fffi	cien	cv of	Mitia	ation I	Mea	sures	s on	Par	ticu	late	Mat	ter (I	⊃М-	10) F	mis	sion	s.											
	0.011	<u> </u>	wing	10111	Vious	54.00	3 011	ı uı	tiou	lato	IVIGE				-11110	0.01	<u>o.</u>											
				+	-																							
Usi				nual e		oratio	on c	ondi	tion	s for	the	site	,															
	P =	0.00	)49 x	(40) =		0.1	96	mm	/h																			
The	e ave	erage	e dayt	ime tra	affic	rate	"d" i	is es	tim	ated	by (	divid	ing t	he n	umk	oer c	of ve	hicle	pas	sses	per	day	by	the a	aver	age		
len	ath d	of da	v. Fo	r unpa	aved	roac	ls =		4	80	veh	nicle	pas	ses i	oer o	day (	'2 di	recti	ons	- inc	clude	es w	aste	e veh	nicle	s		
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JOВ Ont	ario County La	andfill / L	andfill Expansion
SHEET NO.	8	OF	8
CALCULATED BY	KCW	DATE	11/3/2011
CHECKED BY		DATE	
SUBJECT	Fugitive PM-	·10 Cont	rolled Emissions

	App	olying	g Ef	ficie	ncy (	of M	itiga	tion	Mea	sure						artic	cula	te M	atte	er (PM-1	0) Er	niss	ions	<u>:</u>			
Waste/Leachate Haul+Site Trucks (Paved)       199.25       41.3       117.00         Waste/Leachate Haul+Site Trucks (Unpaved Borrow Trucks (Unpaved Roads)       80.83       0.0       80.83         Borrow Trucks (Unloading)       0.52       0.0       0.52         Working Face Cover       5.00       0.0       5.00         223.79       521.8       223.79         223.79 (Ib PM-10/day) x 1/2000 (ton/lb) x       307 (days/yr) = 34.35       Tons Controlled PM-10/Yr         68,705 Pounds Controlled PM-10/Yr       68,705 Pounds Controlled PM-10/Yr											Ur				10												
Waste/Leachate Haul+Site Trucks (Unpaved Roads)       236.22       91.3       20.44         Borrow Trucks (Unpaved Roads)       80.83       0.0       80.83         Borrow Trucks (Unloading)       0.52       0.0       0.52         Working Face Cover       5.00       0.0       5.00         223.79       521.8       223.79         223.79 (Ib PM-10/day) x 1/2000 (ton/lb) x       307 (days/yr) = 34.35       34.35 Tons Controlled PM-10/Yr         68,705 Pounds Controlled PM-10/Yr       68,705 Pounds Controlled PM-10/Yr	PM-	-10 (	Gen	erati	ion S	Sum	mar	у				(II	b/da	y)				Con	trol	Eff (%)					1	(lb/d	ay)
Waste/Leachate Haul+Site Trucks (Unpaved Roads)       236.22       91.3       20.44         Borrow Trucks (Unpaved Roads)       80.83       0.0       80.83         Borrow Trucks (Unloading)       0.52       0.0       0.52         Working Face Cover       5.00       0.0       5.00         223.79       521.8       223.79         223.79 (Ib PM-10/day) x 1/2000 (ton/lb) x       307 (days/yr) = 34.35       34.35 Tons Controlled PM-10/Yr         68,705 Pounds Controlled PM-10/Yr       68,705 Pounds Controlled PM-10/Yr																											
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Borrow Trucks (Unloading) 0.52 0.0 0.52  Working Face Cover 5.00 0.0 5.00  223.79  (Ib PM-10/day) x 1/2000 (ton/lb) x 307 (days/yr) = 34.35  34.35 Tons Controlled PM-10/Yr  68,705 Pounds Controlled PM-10/Yr	Wa	ste/l	_eac	chate	e Ha	ıul+S	Site	Truc	ks (l	Jnpa	avec	2	36.2	22					9	1.3						20.4	44
Borrow Trucks (Unloading) 0.52 0.0 0.52  Working Face Cover 5.00 0.0 5.00  223.79 (Ib PM-10/day) x 1/2000 (ton/lb) x 307 (days/yr) = 34.35  34.35 Tons Controlled PM-10/Yr  68,705 Pounds Controlled PM-10/Yr	Bor	row	Tru	cks (	(Unp	ave	d Ro	oads	3)	-		8	30.8	3					0	0.0						80.8	33
Working Face Cover         5.00         0.0         5.00           223.79         521.8         223.79           223.79 (lb PM-10/day) x 1/2000 (ton/lb) x         307 (days/yr) = 34.35         34.35 Tons Controlled PM-10/Yr           68,705 Pounds Controlled PM-10/Yr         68,705 Pounds Controlled PM-10/Yr													0.52	2					0	0.0						0.5	2
223.79 (lb PM-10/day) x 1/2000 (ton/lb) x 307 (days/yr) = 34.35							J,																				
223.79 (lb PM-10/day) x 1/2000 (ton/lb) x 307 (days/yr) = 34.35		Ì																									
34.35 Tons Controlled PM-10/Yr 68,705 Pounds Controlled PM-10/Yr																											
34.35 Tons Controlled PM-10/Yr 68,705 Pounds Controlled PM-10/Yr	22?	3.79	(lb	PM-	10/d	av) :	x 1/2	2000	(ton	n/lb)	x	30	 )7	(day	/s/vr	) =	34	.35									
68,705 Pounds Controlled PM-10/Yr			\-~		2, 3	,,,,			(-5.	/	-			(30)	, , .	,			5	Tons (	ontr	olle	d P	M-10	)/Yr	$\neg$	
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