

## Ames, Rodger

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**From:** Payne, Rhonda <repayne@mt.gov>  
**Sent:** Friday, October 05, 2018 5:00 PM  
**To:** Herron-Thorpe, Farren (ECY); Ames, Rodger  
**Cc:** Harbage, Rebecca  
**Subject:** RE: Missing emitting unit in 2014 NEI - Montana  
**Attachments:** Oldcastle updates.xlsx

Hi Farren,

I've updated the file with the new items (in green).

Let me know if you need anything else.

Thanks!

Rhonda

### Rhonda Payne

Montana DEQ – Air Quality Bureau  
Permitting Services Section  
Phone: 406.444.5287  
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**From:** Herron-Thorpe, Farren (ECY) [mailto:fherr461@ECY.WA.GOV]  
**Sent:** Thursday, October 04, 2018 3:48 PM  
**To:** Payne, Rhonda <repayne@mt.gov>; Ames, Rodger <Rodger.Ames@colostate.edu>  
**Cc:** Harbage, Rebecca <RHabbage@mt.gov>  
**Subject:** RE: Missing emitting unit in 2014 NEI - Montana

Rhonda,

What you have is good, but we also need things like coordinates, FIPS, release point ID, stack parameters, etc. for each line item. You can probably copy most of it out of what's already in our model-ready files.

I've attached the model ready format data for that facility. It would be ideal if you could give us a complete replacement in the same format so that we can ask the contractor to just replace those records with the new set of data. I think you can ignore the NO3, EC, OC, SO4, and PMFINE lines since I doubt those will be used as inputs (the model runs will likely just use PM2.5 instead and do their own speciation).

Let me know if you have any questions.

Thanks,

Farren L. Herron-Thorpe  
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Air Quality Program, Washington State Dept. of Ecology  
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**From:** Payne, Rhonda [<mailto:repayne@mt.gov>]  
**Sent:** Thursday, October 04, 2018 2:33 PM  
**To:** Herron-Thorpe, Farren (ECY) <[fherr461@ECY.WA.GOV](mailto:fherr461@ECY.WA.GOV)>; Ames,Rodger <[Rodger.Ames@colostate.edu](mailto:Rodger.Ames@colostate.edu)>  
**Cc:** Harbage, Rebecca <[RHarbage@mt.gov](mailto:RHarbage@mt.gov)>  
**Subject:** Missing emitting unit in 2014 NEI - Montana

Hello Farren and Rodger,

In the process of verifying the emissions for one of our BART sources, I uncovered a piece of missing data in the 2014 NEI. I found that the kiln at the Trident Portland Cement plant was, with the exception of lead, missing all emissions information. It appears these emissions were also not reported to the EIS in 2015, 2016, and presumably 2017. I will be working with our systems analyst to figure out why the emissions from this one source were not reported into the EIS system. In the meantime, I'd like to update the 2014 NEI for regional haze modeling purposes to incorporate the missing emission data.

The information is as follows:

facility\_name = OLDCASTLE – TRIDENT PLANT  
 eis\_facility\_id = 7766011  
 eis\_emissions\_unit\_id = 1758813

For this kiln, I'll need to report 5 additional segments and all the criteria pollutants. How would you like me to provide you with the information to update the 2014 NEI? The following table is taken from our internal database. I am not sure if all the necessary EIS elements for complete reporting are listed below, or if you need additional codes. Please let me know.

Point Name/KILN								
<b>Point # 21</b>								
Segment Description	SCC	Annual Process	Process Rate	Emission Factor	Emission Factor	Emission Factor	Tons	Pollutant
<b>COAL FUEL</b>	39000289	84020	Ton	0.5	lb/Ton	AP5TH	21.005	CO
			Ton	0.01144	lb/Ton	AP5TH	0.4806	VOC
<b>COKE FUEL</b>	39000899	9580	Ton	0.5	lb/Ton	AP5TH	2.395	CO
			Ton	0.00293	lb/Ton	AP5TH	0.014	VOC
<b>GLASS</b>	30500712	0	Ton	2.7	lb/Ton	STDR	0	CRC
<b>KILN</b>	30500706	7623	Hrs	377.625	lbs/hr	CMS	1439.318	NO2
			Hrs	1.62	lbs/hr	STD	6.1746	PM-CON
			Hrs	1.62	lbs/hr	STD	6.1746	PM10-FIL
			Hrs	1.62	lbs/hr	AP-42	6.1746	PM25-FIL
			Hrs	1.62	lbs/hr	STD	6.1746	PT
			Hrs	4.647	lbs/hr	CMS	17.712	SO2
<b>KILN</b>	30500706	287935	Ton	0.0007	lb/Ton	AP5TH	0.1008	PB
<b>NATURAL GAS FUEL</b>	39000602	23	MMCF	46.92	lbs/MMCF		0.5396	CO
			MMCF	0.0218	lbs/MMCF	AP5TH	0.0003	VOC

I am still verifying the PM emissions – I should be able to provide final numbers to you by tomorrow.

Thanks!

Rhonda

**Rhonda Payne**

Montana DEQ – Air Quality Bureau

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