

Enviva Greenwood - Emission Spreadsheet

Stephen Stroud <Stephen.Stroud@envivabiomass.com>

Thu 10/8/2020 2:01 PM

To: Cunningham, Jo Anna <cunninja@dhec.sc.gov>

Cc: Daugherty, Michael <daughemg@dhec.sc.gov>; McCaslin, Steven <mccaslsd@dhec.sc.gov>; Michael H Carbon <mcarbon@ramboll.com>; McConnell, Alan <AMcConnell@kilpatricktownsend.com>; Kai Simonsen <Kai.Simonsen@envivabiomass.com>; Yana Kravtsova <Yana.Kravtsova@envivabiomass.com>

📎 1 attachments (459 KB)

Enviva GRE Emissions for SCDHEC (rev3 2020-1008).xlsx;

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Jo Anna,

Per our conversations please find the attached spreadsheet to address the Facility Wide HAP Emission Totals significant figures and rounding. Please let me know if you have any further questions or concerns.

Sincerely,



Stephen Stroud

Director, Environmental Affairs

ENVIVA

4242 Six Forks Road, Suite 1050

Raleigh, NC 27609

Office: +1 984.789.3602

Cell: +1 919.441.2080

www.envivabiomass.com

stephen.stroud@envivabiomass.com

TABLE 2
FACILITY-WIDE HAP EMISSIONS SUMMARY
ENVIVA PELLETS GREENWOOD, LLC

Description	CAS No.	HAP	Dryer & GHM (RTO-1) (tpy)	Furnace Bypass (tpy)	Dryer Duct Burner (tpy)	DHM (RTO-1) (tpy)	Pellet Coolers (RTO-2/RCO-1) (tpy)	Pellet Coolers (RTO-3/RCO-2) (tpy)	Dry Chip & Pellet Silos (tpy)	Wood Pellet Silos (tpy)	Chipper (tpy)	Engine 1 (Generator) (tpy)	Engine 2 (Fire Pump) (tpy)	Total (tpy)	Major Source?
Acetaldehyde	75-07-0	Y	3.08	3.11E-03	3.26E-07	0.12	0.28	0.28	-	-	-	1.16E-03	4.09E-04	3.75	No
Acroline	107-02-8	Y	2.00	0.02	3.86E-07	0.18	0.41	0.41	-	-	-	1.40E-04	4.94E-05	3.01	No
Formaldehyde	50-00-0	Y	1.99	0.02	1.61E-03	3.96E-03	1.05	1.05	0.28	0.02	-	1.79E-03	6.30E-04	4.41	No
Methanol	67-56-1	Y	2.44	-	-	0.10	0.05	0.05	0.64	0.04	0.38	-	-	3.70	No
Phenol	106-95-2	Y	2.47	1.91E-04	-	0.05	0.21	0.21	-	-	-	-	-	2.69	No
Propionaldehyde	123-38-6	Y	0.93	2.29E-04	-	0.20	0.12	0.12	-	-	-	-	-	1.37	No
Acetophenone	98-86-2	Y	1.40E-07	1.20E-08	-	-	-	-	-	-	-	-	-	1.52E-07	No
Ammonia	7664-41-7	N	0.44	-	0.07	-	0.07	0.14	-	-	-	-	-	0.72	No
Antimony and compounds	---	Y	5.02E-04	2.96E-05	-	-	-	-	-	-	-	-	-	5.31E-04	No
Arsenic	7440-38-2	Y	1.42E-03	8.26E-05	4.29E-06	-	4.47E-06	8.93E-06	-	-	-	-	-	1.52E-03	No
Benzene	71-43-2	Y	0.18	2.14E-08	4.51E-05	-	4.69E-05	9.38E-05	-	-	-	1.41E-03	4.98E-04	0.19	No
Benz(a)pyrene	50-32-8	Y	1.14E-04	9.75E-06	2.58E-08	-	2.68E-08	5.36E-08	-	-	-	2.85E-07	1.00E-07	1.24E-04	No
Beryllium	7440-41-7	Y	7.15E-05	4.17E-06	2.58E-07	-	2.68E-07	5.36E-07	-	-	-	5.92E-05	2.09E-05	7.67E-05	No
1,3-Butadiene	106-99-0	Y	-	-	-	-	-	-	-	-	-	-	-	8.01E-05	No
Cadmium	7440-43-9	Y	4.12E-04	1.54E-05	2.36E-05	-	2.46E-05	4.91E-05	-	-	-	-	-	5.24E-04	No
Carbon tetrachloride	56-23-5	Y	1.97E-03	1.69E-04	-	-	-	-	-	-	-	-	-	2.14E-03	No
Chlorine	7782-50-5	Y	0.69	2.95E-03	-	-	-	-	-	-	-	-	-	0.70	No
Chlorobenzene	108-90-7	Y	1.45E-03	1.24E-04	-	-	-	-	-	-	-	-	-	1.57E-03	No
Chloroform	67-66-3	Y	1.23E-03	-	-	-	-	-	-	-	-	-	-	1.23E-03	No
Chromium VI	18540-29-9	Y	4.15E-04	-	3.01E-05	-	3.13E-05	6.25E-05	-	-	-	-	-	5.39E-04	No
Chromium-Other compounds	---	Y	1.11E-03	7.88E-05	-	-	-	-	-	-	-	-	-	1.19E-03	No
Cobalt compounds	---	Y	4.24E-04	2.44E-05	1.80E-06	-	1.88E-06	3.75E-06	-	-	-	-	-	4.56E-04	No
Copper	7440-50-8	N	-	8.40E-08	-	-	-	-	-	-	-	-	-	8.40E-08	No
Dichlorobenzene	106-46-7	Y	1.65E-04	-	2.58E-05	-	2.68E-05	5.36E-05	-	-	-	-	-	2.71E-04	No
Dichloroethane, 1,2-	107-06-2	Y	1.27E-03	1.09E-04	-	-	-	-	-	-	-	-	-	1.38E-03	No
Dichloroethane, 1,2-	78-87-5	Y	1.45E-03	1.24E-04	-	-	-	-	-	-	-	-	-	1.57E-03	No
Dinitropropane, 1,2-	51-28-5	Y	7.88E-06	6.75E-07	-	-	-	-	-	-	-	-	-	8.56E-06	No
Dinitrophenol, 2,4-	117-81-7	Y	2.06E-06	1.76E-07	-	-	-	-	-	-	-	-	-	2.23E-06	No
Di(2-ethylhexyl)phthalate	100-41-4	Y	1.36E-03	1.16E-04	-	-	-	-	-	-	-	-	-	1.47E-03	No
Ethyl benzene	100-41-4	Y	1.36E-03	1.16E-04	-	-	-	-	-	-	-	-	-	7.84E-10	No
Hexachlorobenzene-p-dioxin, 1,2,3,6,7,8-	57653-85-7	N	7.84E-10	-	-	-	-	-	-	-	-	-	-	0.41	No
Hexane	110-54-3	Y	0.25	-	0.04	-	0.04	0.08	-	-	-	-	-	0.41	No
Indeno(1,2,3-cd)pyrene	193-39-5	Y	2.47E-07	2.14E-10	3.86E-08	-	4.02E-08	8.04E-08	-	-	-	-	-	4.07E-07	No
Hydrochloric acid	7647-01-0	Y	1.66	0.07	-	-	-	-	-	-	-	-	-	1.74	No
Lead	7439-92-1	Y	3.12E-03	1.80E-04	1.07E-05	-	1.12E-05	2.23E-05	-	-	-	-	-	3.34E-03	No
Manganese	7439-96-5	Y	0.10	6.00E-03	8.16E-06	-	8.49E-06	1.70E-05	-	-	-	-	-	0.11	No
Mercury	7439-97-6	Y	2.58E-04	1.32E-05	5.58E-06	-	5.81E-06	1.16E-05	-	-	-	-	-	2.94E-04	No
Methyl bromide	74-83-9	Y	6.57E-04	5.63E-05	-	-	-	-	-	-	-	-	-	7.13E-04	No
Methyl chloride	74-87-3	Y	1.01E-03	8.63E-05	-	-	-	-	-	-	-	-	-	1.09E-03	No
3-Methylchloranthrene	56-49-5	Y	2.47E-07	-	3.86E-08	-	4.02E-08	8.04E-08	-	-	-	-	-	4.07E-07	No
Methylene chloride	75-09-2	Y	0.01	-	-	-	-	-	-	-	-	-	-	0.01	No
Naphthalene	91-20-3	Y	4.33E-03	3.64E-04	1.31E-05	-	1.36E-05	2.72E-05	-	-	-	-	-	4.75E-03	No
Nickel	7440-02-0	Y	2.38E-03	1.24E-04	4.51E-05	-	4.69E-05	9.38E-05	-	-	-	-	-	2.69E-03	No
Nitrophenol, 4-	100-02-7	Y	4.82E-06	4.13E-07	-	-	-	-	-	-	-	-	-	5.23E-06	No
Octachlorodibenzodioxin	3268-87-9	N	-	3.10E-13	-	-	-	-	-	-	-	-	-	3.10E-13	No
Pentachlorophenol	87-86-5	Y	2.23E-06	1.91E-07	-	-	-	-	-	-	-	-	-	2.43E-06	No
Perchloroethylene	127-18-4	Y	1.66E-03	1.43E-04	-	-	-	-	-	-	-	-	-	1.81E-03	No
Phosphorus metal, yellow or white	7723-14-0	Y	1.71E-03	1.01E-04	-	-	-	-	-	-	-	-	-	1.82E-03	No
Polychlorinated biphenyls	1336-36-3	Y	3.57E-07	3.06E-08	-	-	-	-	-	-	-	-	-	3.88E-07	No
Polycyclic Organic Matter	---	Y	5.46E-03	4.69E-04	1.50E-05	-	1.56E-05	3.12E-05	-	-	-	2.54E-04	8.97E-05	6.35E-03	No
Selenium compounds	---	Y	1.81E-04	1.07E-05	5.15E-07	-	5.36E-07	1.07E-06	-	-	-	-	-	1.94E-04	No
Styrene	100-42-5	Y	0.08	-	-	-	-	-	-	-	-	-	-	0.08	No
Tetrachlorodibenzo-p-dioxin, 2,3,7,8-	1746-01-6	Y	3.77E-10	3.23E-11	-	-	-	-	-	-	-	-	-	4.09E-10	No
Toluene	108-88-3	Y	1.78E-03	6.20E-07	7.30E-05	-	7.59E-05	1.52E-04	-	-	-	6.19E-04	2.18E-04	2.92E-03	No
Trichloroethane, 1,1,1-	71-55-6	Y	1.36E-03	1.16E-04	-	-	-	-	-	-	-	-	-	1.47E-03	No

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Trichloroethylene	79-01-6	Y	1.31E-03	1.13E-04	-	-	-	-	-	-	-	-	-	1.43E-03	No
Trichlorofluoromethane	75-69-4	N	1.80E-03	-	-	-	-	-	-	-	-	-	-	1.80E-03	No
Trichlorophenol, 2,4,6-	88-06-2	Y	9.64E-07	8.25E-08	-	-	-	-	-	-	-	-	-	1.05E-06	No
Vinyl chloride	75-01-4	Y	7.88E-04	6.75E-05	-	-	-	-	-	-	-	-	-	8.56E-04	No
Xylene	1330-20-7	Y	1.10E-03	1.09E-08	-	-	-	-	-	-	-	4.31E-04	1.52E-04	1.68E-03	No
Zinc	7440-66-6	N	-	5.60E-08	-	-	-	-	-	-	-	-	-	5.60E-08	No
TOTAL HAP			15.92	0.12	0.04	0.65	2.16	2.20	0.92	0.06	0.38	5.86E-03	2.07E-03	22.46	