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Branford, CT 06405

M516
L-4

October 25, 2004

Farrah Gaskins
U.S. NRC Region I
475 Allendale Road
King of Prussia, PA 19406-1415

Subject: Addendum to NRC License number - 06-30667-02

03036257

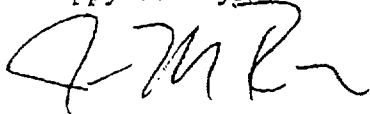
Dear Farrah:

Below are the CPM : DPM conversion calculations requested in order to fulfill the addendum request.

Docket number - 03036257
Control number - 135920

If you have any further questions regarding this issue, please call me at (203) 627-0047 or by e-mail at jreese@curagen.com.

Happy Holidays.



Jason Reese

135920

NMSS/RGNI MATERIALS-002

H-3 CPM / 2.22⁶ = Efficiency

$$6.56^5 / 2.22^6 = 0.2954$$

$$7.52^5 / 2.22^6 = 0.3387$$

$$1.58^5 / 2.22^6 = 0.0712$$

$$2.89^5 / 2.22^6 = 0.1302$$

$$5.18^5 / 2.22^6 = 0.2332$$

$$6.46^5 / 2.22^6 = 0.2910$$

$$1.10^5 / 2.22^6 = 0.0495$$

$$2.42^5 / 2.22^6 = 0.1090$$

$$\text{Average} = 0.1898$$

C-14 CPM / 2.22⁶ = Efficiency

$$1.17^5 / 2.22^6 = 0.0525$$

$$1.14^5 / 2.22^6 = 0.0515$$

$$1.83^5 / 2.22^6 = 0.0824$$

$$1.82^5 / 2.22^6 = 0.0820$$

$$1.12^5 / 2.22^6 = 0.0505$$

$$1.13^5 / 2.22^6 = 0.0509$$

$$1.75^5 / 2.22^6 = 0.0788$$

$$1.80^5 / 2.22^6 = 0.0811$$

$$\text{Average} = 0.0662$$

*H-3 CPM * Efficiency = DPM*

$$13 * 0.1898 = 32$$

$$23 * 0.1898 = 84$$

$$23 * 0.1898 = 84$$

$$20 * 0.1898 = 68$$

$$14 * 0.1898 = 37$$

$$23 * 0.1898 = 84$$

$$18 * 0.1898 = 58$$

$$16 * 0.1898 = 47$$

$$15 * 0.1898 = 42$$

$$17 * 0.1898 = 53$$

$$13 * 0.1898 = 32$$

$$20 * 0.1898 = 68$$

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$$20 * 0.1898 = 68$$

$$14 * 0.1898 = 37$$

$$18 * 0.1898 = 58$$

$$13 * 0.1898 = 32$$

$$17 * 0.1898 = 53$$

$$9 * 0.1898 = 11$$