**Assessment for Module 10: AD Regulations**

***Instructions:***

1. *Make your way through the slides for Module 10.*
2. *Answer the questions for that topic. You are welcome to type your answers to this Word document.*
3. *Some questions will refer to links provided with this module’s web page.*
4. *Email the completed document to jrichmond@vtc.edu.*

**10.1 Federal regulation of AD**

1. What type of risks is Federal regulation of AD concerned with?

2. You want to learn more about AD regulations. Where can you find more information? Is there a source of information that will link you to regulations at both federal and state levels?

3. Who enforces Federal regulations? Is it always the Federal government?

**10.2 State regulation of AD**

4. If you were an AD developer interested in expanding your market, would you be more concerned with federal or state regulations? And why?

**10.3 Federal vs. state regulatory code**

5. How does Vermont’s Universal Recycling Law (Act 148 of 2012) affect anaerobic digestion?

6. Where does AD fall on Vermont’s hierarchy for food scrap management?

1. The hierarchy for food scrap management lists both (anaerobic) digestion and energy recovery. What’s the difference?

**10.4 Local regulation of AD**

1. What local regulations, town and regional, can effect AD?

**10.5 Occupational health & safety**

1. What is OSHA and what are it’s most significant concerns about AD?
2. What does the term PEL mean? What are the PELs for hazardous gases produced by AD?

**10.6 Case study: permitting VTCAD**

11. The case study of permitting for VTCAD demonstrated that the regulatory landscape for AD in Vermont could be described as ‘dynamic’. Give a few examples of the ambiguities this project faced.

1. Currently, Vermont regulates food scraps as solid waste even if the food scraps are collected in a so-called ‘clean stream’.
	1. What does the term ‘clean stream’ mean?
	2. Would you be in favor of changing the solid waste designation for food scraps? Why or why not?
2. Effluent from anaerobic digesters is currently regulated only as a source of nutrients. Are there other concerns about effluent? If so, describe those concerns.
3. Permits required for VTCAD fall into three functional categories. What are they?
4. What permits require reporting?
5. VTCAD is guaranteed a set price for electricity for 20 years under the SPEED program. However, in 2015 Vermont passed legislation that will change permitting of renewable energy projects to a renewable energy portfolio standard. The new program is called RESET. How will it change the price paid for renewable electricity produced by AD?