



Municipal Technical Advisory Service
INSTITUTE *for* PUBLIC SERVICE

Published on *MTAS* (<http://www.mtas.tennessee.edu>)

October 19, 2019

Best Practices in Biodiesel Production: Program Initiation

Dear Reader:

The following document was created from the MTAS website ([mtas.tennessee.edu](http://www.mtas.tennessee.edu)). This website is maintained daily by MTAS staff and seeks to represent the most current information regarding issues relative to Tennessee municipal government.

We hope this information will be useful to you; reference to it will assist you with many of the questions that will arise in your tenure with municipal government. However, the *Tennessee Code Annotated* and other relevant laws or regulations should always be consulted before any action is taken based upon the contents of this document.

Please feel free to contact us if you have questions or comments regarding this information or any other MTAS website material.

Sincerely,

The University of Tennessee
Municipal Technical Advisory Service
1610 University Avenue
Knoxville, TN 37921-6741
865-974-0411 phone
865-974-0423 fax
www.mtas.tennessee.edu

Table of Contents

Best Practices in Biodiesel Production: Program Initiation	3
--	---

Best Practices in Biodiesel Production: Program Initiation

Reference Number: MTAS-1485

At the start of Gadsden's program, the biodiesel processing equipment and associated oil collection and processing equipment were bought by the city. This equipment included the following major items:

- Biodiesel processor capable of producing 55-gallon batches of biodiesel (manufactured by Biodiesel Logic, Inc.);
- Four 275-gallon chemical storage "totes" for storing WVO before processing;
- Two 150-gallon fuel tanks, pumps, and meters for storing and dispensing finished biodiesel;
- 20 55-gallon steel drums for WVO collection at restaurants
- 4,500 one-gallon plastic jugs for residential WVO collection;
- Seven collection bins for residential WVO jug
- Miscellaneous lab supplies for titration of WVO;
- Expendable supplies for biodiesel production (methanol, sodium hydroxide catalyst).

The collection bins for residential WVO jugs were built by personnel in the fleet management group in Gadsden. Other municipalities have purchased similar commercially available units. The one-gallon jugs were fitted with pre-printed labels that have information on procedures for recycling the WVO.

DISCLAIMER: The letters and publications written by the MTAS consultants were written based upon the law at the time and/or a specific sets of facts. The laws referenced in the letters and publications may have changed and/or the technical advice provided may not be applicable to your city or circumstances. Always consult with your city attorney or an MTAS consultant before taking any action based on information contained in this website.

Source URL (retrieved on 10/19/2019 - 1:09am): <http://www.mtas.tennessee.edu/reference/best-practices-biodiesel-production-program-initiation>

