**Metadata Contact Sheet**

**Project Number and Title**:

[Example: Corn Ethanol Biorefineries]

**Author(s):**

[Example:

* Kristin Brandt, Project Assistant, Composite Materials and Engineering Center, Washington State University
	+ kbrandt@nararenewables.org
* Natalie Martinkus, Research Assistant, Civil and Environmental Engineering, Washington State University
	+ natalie.martinkus@nararenewables.org
* Michael Wolcott, Professor, Washington State University
	+ wolcott@nararenewables.org ]

**Description of Data:**

[Example: One .xlsx spreadsheet. This spreadsheet contains company information, plant addresses, capacity and geological location of former and current corn ethanol biorefineries in the United States. Notes are included for further clarification of some locations. References are included for further research of sites.

Version 1: Uploaded June 2015

Version 2: Updated 7 July 2015 with references]

**Keywords**:

[Example: corn ethanol, biorefinery]

**Contact Person**:

[Example:

Name: Michael Wolcott, Regents Professor

Organization: Washington State University

Department: Department of Civil & Environmental Engineering

Address: Sloan 101, Pullman, Washington 99164-1806

Email: wolcott@wsu.edu

Phone: (509) 335 6392

**Date of Data Collection:**

[Enter range if applicable, Example: February – July 2015]

**Funding Agents:**

[Who funded the work, Example: FAA 13-C-AJFE-WaSU-003 and 13-C-AJFE-WaSU-006]

**Rights:**

[Any known intellectual property rights held for data]

**Access Information:**

[How can other researchers access your data and where

Example: Access the .xlsx sheet from the ASCENT website https://ascent.aero/

Access Data Files (includes all data subfolders) > 4. Biorefinery Infrastructure Data Files > Corn Ethanol Biorefinery locations, capacity, ownership, websites

https://ascent.aero/xxxxxx

Language: English]

**Data Source**:

[Citations to material for data derived from other sources, including details of where the source data is held and how it was accessed

Example:

* Ethanol Plant list - sugars/starch
	+ http://ethanolproducer.com/plants/listplants/US/Existing/Sugar-Starch/
* Ethanol Plant map
	+ http://ethanolproducer.com/plants/map/
* Ethanol RFA Biorefinery locations
	+ http://www.ethanolrfa.org/bio-refinery-locations/
* EIA Layers Information for Interactive State Maps
	+ <http://www.eia.gov/maps/layer_info-m.cfm>

\*More information can be found at listed company sites. Company websites are listed when available ]

**Year Published**:

[Example 2015]

**Usage Policy**:

[Example: in accordance with the ASCENT-1 Data Use Agreement]

**File Names:**

[List of all data files with name and file extension

Example: ‘ASCENT1pipelines2015.xls’, ‘billionton2oilseadmap.pdf’]

**File Formats:**

[Format(s) of the data e.g. SPSS, HTML, JPEG, etc. and any software necessary to read the data

Example: Excel Workbook, .xls format

Microsoft Excel necessary to read data]

**File Structure:**

[Organization of the data file(s) and the layout of the variables, if needed.

Example: Spreadsheet structure, 1st sheet is reference list and 2nd sheet is data.]

**Variable List:**

[List of variables in data files

Example:

* Company (\* locally owned)
* Status
* Address
* City
* State
* zip code
* Map -- link to location on Google Maps
* Feedstock
* Consumption (tons) -- consumption of feedstock, measured in tons (or bushels, if noted)
* Type of BR -- specific type of biorefinery
* Product Type -- type of product produced
* Capacity (mgy) -- Capacity of the biorefinery, measured in millions of gallons per year
* Technology -- information about the technology used in the biorefinery
* WebSite
* Lat
* Long
* Notes]

**Code List:**

[Explanation of codes or abbreviations used in either the file names or the variables in the data files e.g. ‘999 indicates a missing value in data’]

**User Supplied Metadata:**

[Attach metadata generated by author for data if applicable]

**Sheet References**

MIT Libraries. 2014. Data Management and Publishing. <http://libraries.mit.edu/guides/subjects/data-management/metadata.html>. Date accessed January 20, 2014.