File Description: The data file contains data from US Environmental Protection Agency (EPA) records of US imports of hazardous waste from Canada and Mexico to the United States between 2007 and 2012, inclusive. For 2007 and 2009 imports, the EPA gave us all the compiled data they had, but original records were no longer available. The EPA did not have records for 2008. For 2010, 2011, and 2012 imports, we have all the original records (in PDF form). When fields are blank, it is because data was unavailable (i.e., in the case of PDFs, it is because a section was not filled out or was illegible).

Fields:

Year: Year of shipment, noted on the manifest

RCRA: Unique identifier of the facility determined by the EPA under the Resource Conservation and Recovery Act (RCRA)

Exporter_name, Foreign Exporter Site Address, Foreign Exporter Site City, Foreign Exporter Site State or Province, Foreign Exporter Site ZIP or Mailing Code, Country of Export: Location information for the facility sending the waste abroad

exporter_key: Assigned by research team for mapping purposes

ExporterLAT, exporterLONG: Latitude and longitude values were geocoded based on addresses provided and using the GPS Visualizer batch geocoding service (http://www.gpsvisualizer.com/geocoder/) with a Bing Maps API Key. Individual errors were corrected using Google Maps.

hazWasteDesc: Explanation of the hazardous waste from a description field in shipping manifests

DOT/UN ID Code: The official (numerical) United Nations Committee of Experts on the Transport of Dangerous Goods OR Department of Transportation (DOT) codes for the waste type. UN codes begin with "UN" and DOT codes begin with "NA." DOT codes are identical to UN codes, except that some substances do not have UN codes and do have DOT codes.

DOT/UN ID Code description: The official description for the DOT/UN ID Code. Entries for this field are often similar to hazWasteDesc.

DOT Packing Group: Packaging requirements due to how dangerous the material is, ranging from I (most dangerous) to III (least dangerous).

Number of Containers: Number of containers in the shipment

Container Type: Abbreviation and/or spelled out description of containers holding the waste

Total Quantity in Shipment: As reported in manifest

Units for Quantity in Shipment: As reported in manifest

totalQuantityinShipment: Reported in manifest in a variety of units, we converted to kilograms or liters

units_final: Kilograms or liters

Applicable EPA hazardous waste codes: The official EPA (RCRA) codes for the waste type. The codes listed here represent specific chemicals listed in the hazardous waste description, e.g. D009 = the mercury in "Environmentally Hazardous Substance, CFL with mercury".

Expected Management Method Code: EPA code representing process used to treat, recover, or dispose of waste

Expected Management Method Code description: Description of expected management method code

Port of entry city, Port of entry state: Location information for port of entry as listed on the manifest

Importing facility EPA ID number: Unique EPA identifier for facility importing the waste

US Importer Name, US Importer Street Address, US Importer City, US Importer State, US Importer Zip Code: Location information for the company that imports the waste, sometimes different from the site actually receiving the waste.

US importer latitude, US importer longitude: From geocoder, not complete throughout the spreadsheet

US importer geocoded address: The address that the geocoder associated with the location information given, not complete throughout the spreadsheet

ReceivingFacilityEPAIDNumber: Unique EPA identifier for facility receiving the waste

importer_name: As input from the manifest

company: Simplified and standardized importer_name field representing the receiving facility's parent company to the best of our knowledge (e.g., "US ECOLOGY TEXAS" becomes "US ECOLOGY")

Receiving Facility Street Address, Receiving Facility City, Receiving Facility State, Receiving Facility Zip Code: Location information for the company receiving the waste, sometimes different from the site importing the waste.

latitude, longitude: Latitude and longitude values were geocoded based on receiving facility addresses provided and using the GPS Visualizer batch geocoding service (http://www.gpsvisualizer.com/geocoder/) with a Bing Maps API Key. Individual errors were corrected using Google Maps.

Input by: The person on the project team who entered data in this row

Receiving facility EPA ID Number 2; Receiving facility name; Receiving facility street address; Receiving facility city; Receiving facility state/province; Receiving facility zip/mailing code: These are all for the facility receiving and processing the waste.

File Name: Name of source file (PDF) when available.

Fields in "questions or issues" tab:

Entry number: Reference to PDF(s) or compiled data

Issue: Summary of issue (e.g., inconsistent units, whether or not discrepancies were indicated in a manifest, questionable accuracy)

Description: Further description of issue if applicable (e.g., if a discrepancy was listed on the manifest's discrepancy indication space, that would be noted in the "issue" field, and then the particular discrepancy would be described in this field).

Input by: The person on the project team who entered data in this row