EPA Manifest json Review: Part 2

Links
Form: http://www.epa.gov/wastes/hazard/transportation/manifest/pdf/newform.pdf
Instructions: http://www.epa.gov/wastes/hazard/transportation/manifest/pdf/man-inst.pdf

Recommendations
- Provide default value lists for all definitive fields
  - Example: CONTAINER_TYPES, DOT_GROUPS, etc
  - This helps the user of the API understand the params without having to go through all the data
- Mailing addresses need to be stored as separate addresses, not just one line otherwise you will lose city, state, postal code info
- Null vs None vs "" -- Always return an empty set of whatever should be there, when it is not there -- the purpose of this is so that folks have an expectation of what might be there and can write code w/ that expectation.

Questions
- container_type --- is "Any of" an option that can be chosen OR is that is just a placeholder meaning… any of the ones from the list below?
- EPA id - Generator, Designated facility, Transporter
  - How are these organized?
  - This feels like it is currently mixed up, but it feels like they should be separate.
  - Is there any overlap? If so, how much?
- Definition of a Generator, TSDF, or Alternate Facility (Line 5, 8, 18b)
  - What is the difference between these?
  - How is 8 diff from 18b?

Part 1

URL patterns
full list of of manifests /api/manifests/
- returns list of links to detailed manifests

manifest url /api/manifests/2/
- where 2 is the id for the manifest
- returns detail info about the manifest

- '2' could be defaulted to epa manifest id.

General recommendations

- Json is a mix of tabs and spaces. Tabs can cause issues in some cases, make sure that it is defaulted to spaces.
- lower case on the first letter of the key look up.
  - "ManifestTrackingNumber" to this "manifestTrackingNumber"
- Remove the extra layers. Example…
  - "EmergencyResponsePhone":

        {
        "TelephoneNumberDataType":"1234567890"
        },
    TO THIS: "EmergencyResponsePhone": "1234567890"
- "EmergencyResponsePhone": "1234567890"
  - ^^ Where is the cleaning happening for this?
  - This needs to be standardized.
  - Make sure to take into consideration international numbers.
  - This is a string and should always remain a string.
- naming should be as short as possible, there is no need to be redundant.
  - "HandlerDataType":
    - "HandlerNameDataType" to "name"
    - "HandlerIDDataType" to "id"
- Null -- whatever you do, be consistent. In the example json that I returned I returned empty sets.

Generator
- In the json, you have "HandlerIDDataType":"DCR123456789", but you don't collect this on the form. Where is this coming from?
  - HandlerIDs == EPA_id
  - In daily vernacular, we call it as handler
  - That is the id for generator, transporter, designated facility
    - Form 8700-12
    - These are unique company identifiers
      - These can be OR… generator, transporter, designated facility
        - OR or JUST
- HandlerAddressDataType -- separate into two explicit types
  - Address and Mailing address
  - Both should have state + zip + country, unless the address and mailing address are the same -- then that can be used as a validator for leaving mailing blank. If they are not the same, then a mailing address is required.

- SignatureBlockDataType -- signature -- how are you initially storing these if they are going to added at the end. This seems like something that shouldn't be included at this time, but added later when this becomes a more robust system.
  - Date signed
  - If legiligile, what the person's name was
  - But no signature

International section

- Required section? No.
- port -- is there a list of ids? Is that enough? what are you looking for here?
  - The ids change a lot
  - This system is called "Ace"??
  - Port ids is a shared service
- date leaving the US -- do we not care about exiting? or time?
  - Time is not captured
  - Scott is following up to figure out departure from the US
  - **NOT FOR 9/30 DEMO**

Transporter

- Transporters in the Generator section and in the transporter section -- are these 2 different types of transporters OR are they the same?
  - What is the difference between line 6,7 and 17?
    - Name on 16/17 is the name of person picking it up and moving it
    - Name in 6 is the company that they work for.
  - Example…
    - Generator transporters: Foo Co.
    - Transporter: John Smith who works at Foo Co.
- aknowledgement_name -- how much standardization for names?
  - Suggested handling -- 1 text field for simplicity in data entry.

Designated Facility

- EPA # -- how often does this overlap between each? Should there be a shared set of facilities/entities?
  - Already answered in the generator section
- 19 -- the codes is a set set-- so Choices

Manifested Waste

- HazardousWaste -- Is this from 9a? Why does it say HM and not HW? (Make sure that terms match to make it easier to translate for human who might be using both sides.)
- description -
  - 9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))
  - ^^ Need sample data from this section before moving forward.
    - need mapping of some examples to fields in sample json

- containers - ~~are there more than one for each line item? If not, then there is no reason to FK the data item.~~
  - 1 number for container number
  - Two types of types in data?
    - examples: DT or DWH
- UnitsOfMeasureDataType --- units_of_measure
  - Create a standardized list for this, so it is normalized
  - "Choices" field
    - You can find the sample data and in the instructions in the normalized list.
- Waste Code Types -- are these mixed in #13?
  - WasteCodeDataTypeFederal -- waste_code_fed --- ~~can be 4 char~~
    - for the purpose of demo, we are applying 8 to both
    - is there more than one possible?
  - WasteCodeDataTypeState -- waste_code_state --- can be up to 8 char
  - NOTE: On the state level, every code exists. Federal codes apply throughout
    - Then each state has additional code

Additional Info

- "AdditionalInfoTextDataType":"The line below is redundant, ask me how!",
  - How?
  - The line below is the manifest id number for the new manifest.
  - It is a manifest id that is child.^^ Need sample data from this section before moving forward.
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- Rather that have a large box, we provide specifics for things that people would normally put in that box.
- This is a "special case" type question

Here is what is needed for an import. This also explains the importance of international numbers. The workflow for this is not for 9/30. - Scott

Manifesting

The importer, rather than the foreign generator, initiates the manifest when the waste enters the United States. Importers follow the general manifesting requirements in '262.20(a), except that in the place of the generator's name, address and EPA identification number, they must include the name and address of the foreign generator and the importer's name, address, and EPA identification number (§262.60 (b)). In addition, the importer (or importer's agent) and the initial transporter must sign the manifest in the space for the generator's signature ('262.60(b)(2)).

As discussed in Chapter I, not all hazardous wastes are subject to the manifesting

requirements. Importers need not comply with the import requirements of Part 262, Subpart F if the hazardous waste shipment is not subject to manifesting.