

## IC2 Interstate Product Ingredient Reporting Database Project

### Data Definitions

Short list (full definitions begin at the end of this list)

#### *Person Information*

1. *Field Name:* First name (same as “Contact”?)
2. *Field Name:* Middle name(s)
3. *Field Name:* Last name
4. *Field Name:* Job title
5. *Field Name:* Email address
6. *Field Name:* Telephone number
7. *Field Name:* Telephone extension
8. *Field Name:* Is telephone number outside of the U.S.? Default = 0 (No). If value = 1 (Yes), activate “telephone country code” field
9. *Field Name:* Telephone country code; default = 1 (U.S.)
10. *Field Name:* Mailing address (e.g., for enforcement purposes) [May be coded as separate (address, city, state, zip, country) data fields.]
11. *Field Name:* Reporting system roles

#### *Organization Information*

12. *Field Name:* Organization name
13. *Field Name:* Doing business as (DBA)
14. *Field Name:* Organization mailing address country
15. *Field Name:* Organization mailing address line 1
16. *Field Name:* Organization mailing address line 2
17. *Field Name:* Organization mailing address line 3, etc.?
18. *Field Name:* Organization mailing address city
19. *Field Name:* Organization mailing address state or province
20. *Field Name:* Organization mailing address postal code (multiple countries and alphanumeric types; limit to 5 or 9 in the U.S?)
21. *Field Name:* Organization website URL
22. *Field Name:* Organization reporting role
23. *Field Name:* Request that supplier relationship be kept confidential (WA)

#### *Organization Relationships*

24. *Field Name:* Reporting on behalf of (trade association or supplier)—System must provide a mechanism for associating organizations that report for one another; could be one-to-many

### **Report Information**

25. *Field Name:* State name/s
26. *Field Name:* Product Brick [significant differences between WA and VT]
27. *Field Name:* Product Class
28. *Field Name:* Product Family
29. *Field Name:* Product Segment
30. *Field Name:* Product Brand Name [This reporting requirement is unique to Vermont.]
31. *Field Name:* Product Model [This reporting requirement is unique to Vermont.]
32. *Field Name:* Number of units sold [need to check how ME collects this—product model, brick, etc.]
33. *Field Name:* Organization name [not a separate data field; instantiates org relationship established in field 24]
34. *Field Name:* Age group for this organization's product
35. *Field Name:* Product component [same for WA and VT; may need a flag to indicate that a component is inaccessible]
36. *Field Name:* Chemical identity (Chemical Abstracts Service Registry Number (CASRN) and chemical name) [same 66 for WA, VT, and OR – ME has a subset of 7; CA has others]
37. *Field Name:* Maximum concentration of the chemical
38. *Field Name:* Primary function in product
39. *Field Name:* Request confidentiality – information other than supplier relationship be treated as CBI [Needs further discussion in the context of business processes for review, acceptance, and processing of submitted data]
40. *Field Name:* Report date [Presumably this is auto-populated.]
41. *Field Name:* Attached file (e.g., PDF—presumably only certain file types allowed)
42. *Field Name:* Other relevant information (little-used; submittal via e-mailed file)
43. *Field Name:* Waiver granted (Yes/No)—and possibly other related fields
44. *Field Name:* Notice of removal or no longer sold [Needs further discussion]
45. *Field Name:* Fee payment(s) [State-specific fees (e.g., VT's \$200 per chemical reported) and/or fee to support operation and maintenance of the multi-state data system – separate or consolidated payment - Needs further discussion]

**Full definition list*****Person Information***

1. *Field Name:* First name
  - a. *Description:* The first name of the person creating the user account.
  - b. *Required or optional:* Required
  - c. *Data type:* VARCHAR(25)
  - d. *UI form field type:* single-line text box
  - e. *Valid field values or validation rules:*
  - f. *Processing required to save or retrieve data field:*
  - g. *Field processing notes:*
  
2. *Field Name:* Middle name(s)
  - a. *Description:* The middle name/s of the person creating the user account.
  - b. *Required or optional:* Optional
  - c. *Data type:* VARCHAR(25)
  - d. *UI form field type:* single-line text box, width = 25
  - e. *Valid field values or validation rules:*
  - f. *Processing required to save or retrieve data field:*
  - g. *Field processing notes:*
  
3. *Field Name:* Last name
  - a. *Description:* The Last name of the person creating the user account.
  - b. *Required or optional:* Required
  - c. *Data type:* VARCHAR(25)
  - d. *UI form field type:* single-line text box, width = 25
  - e. *Valid field values or validation rules:*
  - f. *Processing required to save or retrieve data field:*
  - g. *Field processing notes:*
  
4. *Field Name:* Job title
  - a. *Description:* The job or position title of the person creating the user account.
  - b. *Required or optional:* Required
  - c. *Data type:* VARCHAR(25)

- d. *UI form field type*: single-line text box, width = 25
- e. *Valid field values or validation rules*:
- f. *Processing required to save or retrieve data field*:
- g. *Field processing notes*:

5. *Field Name*: Email address

- a. *Description*: The email address of the person creating the user account.
- b. *Required or optional*: Required
- c. *Data type*: VARCHAR(25) (or 50?)
- d. *UI form field type*: single-line text box, width = 25 (or 50)
- e. *Valid field values or validation rules*: Must be a well-formed address of the form, 'a@b.c', where c is a recognized top-level domain (TLD).
- f. *Processing required to save or retrieve data field*: User should be prompted to enter his/her email address twice, and the two entries must match.
- g. *Field processing notes*: All user account information should be held in a staging table until the user's email address is validated by confirmation of receipt of an email message sent to the email address. Upon confirmation of the email address, the associated user account information should be copied to the production table and then deleted from the staging table. If this confirmation step fails within a specified timeframe (say, 24 to 48 hours), the associated user account information should be deleted from the staging table (presumably by a cron job).

6. *Field Name*: Telephone number

- a. *Description*: The telephone number of the person creating the user account.
- b. *Required or optional*: Required
- c. *Data type*: INT(25)
- d. *UI form field type*: single-line text box, width = 25
- e. *Valid field values or validation rules*:
- f. *Processing required to save or retrieve data field*: Special characters (e.g., “(”, “)”, “-”, “ ”, “ ”) should be stripped from the user's entry and the number stored in integer (INT) format. If a U.S. telephone number (i.e., if the value stored in the related “Is phone number outside of the US?” field = 0 (No)), then the integer in this field should be ten (10) digits in length. [Similar validation is possible if, for example, the phone number is Canadian.]
- g. *Field processing notes*: In the CSPA system UI, the telephone number field also has an associated select box for the user to answer the question, “Is phone number outside of the US?” (See below).

7. *Field Name:* Telephone extension

- a. *Description:* The extension associated with the user's telephone number.
- b. *Required or optional:* Optional
- c. *Data type:* INT(10) [INT(5) is likely sufficient.]
- d. *UI form field type:* single-line text box, width = 10 (5?)
- e. *Valid field values or validation rules:*
- f. *Processing required to save or retrieve data field:* Special characters (e.g., "x") should be stripped from the user's entry and the number stored in integer format.
- g. *Field processing notes:*

8. *Field Name:* Is telephone number outside of the U.S. (and Canada)?

- a. *Description:* A field to allow the user to indicate whether the telephone number provided is located outside the United States.
- b. *Required or optional:* Optional
- c. *Data type:* TINYINT(1) (i.e., Boolean)<sup>1</sup>
- d. *UI form field type:* radio buttons
- e. *Valid field values or validation rules:* NA
- f. *Processing required to save or retrieve data field:*
- g. *Field processing notes:* Default value = 'No'. If 'yes', the user could be presented with a list (select box) of countries from which to choose, and the choice should populate the appropriate country code. Changing this field from no to yes has no obvious consequences in the CSPA UI (and Joshua reports that no validation tied to this field is currently enabled). This field may not be saved in the database; rather, it may be used in the account creation UI to trigger a second "telephone country code" field that is saved to the database, with a default for the U.S.

9. *Field Name:* Telephone country code

- a. *Description:* The country code associated with the user's telephone number (if not a U.S. or Canadian number).
- b. *Required or optional:* Required if "Is telephone number outside of the U.S." = 'Yes'
- c. *Data type:* INT(5)
- d. *UI form field type:* single-line text box, width = 5
- e. *Valid field values or validation rules:*

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<sup>1</sup> See <http://dev.mysql.com/doc/refman/5.7/en/numeric-type-overview.html>.

- f. *Processing required to save or retrieve data field:*
- g. *Field processing notes:*

10. *Field Name:* Mailing address line 1, etc.

11. *Field Name:* Reporting system roles

- a. *Description:* Roles could include user, report data contact, billing contact
- b. *Required or optional:* Required in the sense that every person record in the database must have at least one role. Users would not see this field directly through the UI.
- c. *Data type:*
- d. *UI form field type:*
- e. *Valid field values or validation rules:*
- f. *Processing required to save or retrieve data field:*
- g. *Field processing notes:* In a number of its systems, Ecology collects contact information by asking questions like, “Who can answer questions regarding the information this report contains?” and “Who can answer billing questions?” One interpretation of this approach is that the database shall store information related to all people (without regard to role) together (presumably in one table) and assign various roles (e.g., reporting system user, report data contact, billing contact) to people, as appropriate (presumably by associating user IDs and role IDs in a reference table).

[Note: In Ecology’s CSPA system, when a user answers no to the question, “Is your organization already registered?”, the user must then enter the org’s PIN in order to associate him/herself with his/her org (already in the database).]

### ***Organization Information***

12. *Field Name:* Organization name

- a. *Description:* The full legal name of the organization associated with the user account.
- b. *Required or optional:* Required
- c. *Data type:* VARCHAR(50)
- d. *UI form field type:* single-line text box, width = 50
- e. *Valid field values or validation rules:*
- f. *Processing required to save or retrieve data field:* Should accommodate special characters like “&”.
- g. *Field processing notes:* The system should check that an identical organization name does not already exist in the database.

13. *Field Name:* Doing business as (DBA)

- a. *Description:* The name, other than the full legal name, under which the organization does business and by which it is commonly known.
- b. *Required or optional:* Optional
- c. *Data type:* VARCHAR(50)
- d. *UI form field type:* single-line text box, width = 50
- e. *Valid field values or validation rules:*
- f. *Processing required to save or retrieve data field:* If identical to 'organization name', it should not be saved to the database.
- g. *Field processing notes:*

14. *Field Name:* Organization mailing address country

- a. *Description:* The country in which the organization is located and receives mail.
- b. *Required or optional:* Required
- c. *Data type:* VARCHAR(25) [required size determined by the longest country name in the reference list]
- d. *UI form field type:* single-line text box, width = 25
- e. *Valid field values or validation rules:* The country field should be presented as a select box in the user interface, and it should be presented as the first address element, since subsequent elements (e.g., state/province) depend on country. Default = 'United States'.
- f. *Processing required to save or retrieve data field:*
- g. *Field processing notes:*

15. *Field Name:* Organization mailing address line 1

- a. *Description:* The first line of the address at which the organization receives mail [may not correspond to the organization's legal address].
- b. *Required or optional:* Required
- c. *Data type:* VARCHAR(50)
- d. *UI form field type:* single-line text box, width = 50
- e. *Valid field values or validation rules:*
- f. *Processing required to save or retrieve data field:*
- g. *Field processing notes:* Presumably, in terms of the user interface workflow, the user will first be prompted to enter the country as the first piece of address information.

16. *Field Name:* Organization mailing address line 2

- a. *Description:* The second line of the address at which the organization receives mail [may not correspond to the organization's legal address].
- b. *Required or optional:* Optional
- c. *Data type:* VARCHAR(50)
- d. *UI form field type:* single-line text box, width = 50
- e. *Valid field values or validation rules:*
- f. *Processing required to save or retrieve data field:*
- g. *Field processing notes:*

17. *Field Name:* Organization mailing address city

- a. *Description:* The city in which the organization receives mail.
- b. *Required or optional:* Required
- c. *Data type:* VARCHAR(25)
- d. *UI form field type:* single-line text box, width = 25
- e. *Valid field values or validation rules:*
- f. *Processing required to save or retrieve data field:*
- g. *Field processing notes:*

18. *Field Name:* Organization mailing address state or province

- a. *Description:* The state/province in which the organization receives mail.
- b. *Required or optional:* Required
- c. *Data type:* ENUM(25) or VARCHAR(25) [size depends on whether the stored values are full names or abbreviations—e.g., 'Washington' vs. 'WA']; could also be stored as INT values keyed to state/province names in a reference table.
- d. *UI form field type:* select box. Note that the CSPA system presents a pick list if country = "U.S." and a single-line text box if the user selects any other country (which indicates that these values are being stored as text and not as reference values).
- e. *Valid field values or validation rules:* The state/province field could be presented as a select box in the user interface. The pick list for this field would then be determined by the user's choice of mailing address country. For example, if the user selects country='United States', the state/province pick list should comprise the 50 United States; Washington, DC; and US territories. If country='Canada', the state/province pick list should comprise the Canadian provinces and territories. For less common



country choices, the UI form field would probably need to change to a single-line text box.

- f. *Processing required to save or retrieve data field:*
- g. *Field processing notes:*

19. *Field Name:* Organization mailing address postal code

- a. *Description:* The postal or zip code of the address at which the organization receives mail.
- b. *Required or optional:* Required
- c. *Data type:* VARCHAR(20)
- d. *UI form field type:* single-line text box, width = 10
- e. *Valid field values or validation rules:* Requirements gathering shall clarify whether form field validation (presumably based on mailing address country) is warranted, based on requirements and project budget.
- f. *Processing required to save or retrieve data field:* TBD.
- g. *Field processing notes:*

20. *Field Name:* Organization website URL

- a. *Description:* The URL or web address of the organization's principal website, if any.
- b. *Required or optional:* Optional
- c. *Data type:* VARCHAR(50) [75?]
- d. *UI form field type:* single-line text box, width = 50 (75?)
- e. *Valid field values or validation rules:* In the UI, this field could be populated with "http://" by default, to which the user can add the URL.
- f. *Processing required to save or retrieve data field:* It may be possible to ping the URL provided as a validation check. If the user deletes "http://" during data entry, it should be prepended to the URL before saving to the database (unless the user prepends "https://"). (The selected IT contractor may have additional and better suggestions for validating URLs.)
- g. *Field processing notes:*

21. *Field Name:* Organization reporting role

- a. *Description:* Describes whether (a) the organization will submit reports for itself or another organization will report for it or (b) the organization will only report on behalf of other organizations.
- b. *Required or optional:* Required

- c. *Data type:* ENUM() or TINYINT(1)
- d. *UI form field type:* radio buttons
- e. *Valid field values or validation rules:*
  - i. This organization will report for itself and/or others will report for it
  - ii. This organization will only report for others
- f. *Processing required to save or retrieve data field:*
- g. *Field processing notes:* If coded using TINYINT(1) (Boolean), then the values above must be stored in a reference table.

22. *Field Name:* Request that supplier relationship be kept confidential

- a. *Description:* Sets a flag to indicate that the reporting entity claims that reported information is CBI.
- b. *Required or optional:* NA
- c. *Data type:* TINYINT(1)
- d. *UI form field type:* radio buttons
- e. *Valid field values or validation rules:* 0 = No; 1 = Yes. Default = 0 (No).
- f. *Processing required to save or retrieve data field:*
- g. *Field processing notes:* In the CSPA system, a request that a supplier relationship be kept confidential value triggers a message to the system administrator, prompting review of the request. Joshua Grice indicated that Ecology generally views supply-chain relationships as appropriately confidential and that he therefore rarely, if ever, denied such requests. In an interstate system, the question of who should review such requests will need to be answered; each state may need to review and approve or deny.

### ***Organization Relationships***

23. *Field Name:* Reporting on behalf of

- a. *Description:* Allows an organization reporting on behalf of another organization (e.g., a manufacturer or supplier reporting on behalf of a brand or retailer) to select the organization for which it is reporting.
- b. *Required or optional:* Required
- c. *Data type:* INT()
- d. *UI form field type:* select box
- e. *Valid field values or validation rules:* In the UI, the pick list should comprise the names of those organizations for which the user (or, more likely, the user's organization) is authorized to report

- f. *Processing required to save or retrieve data field:* This form field should result in the appropriate organization ID's being saved (as a foreign key) with the report record being created.
- g. *Field processing notes:*

### **Report Information**

#### 24. *Field Name:* State name/s

- a. *Description:* The name/s of the state/s to which the report is being made.
- b. *Required or optional:* Required
- c. *Data type:* INT() [assuming the database stores state IDs rather than names; otherwise VARCHAR(2) for two-letter state codes]
- d. *UI form field type:* pick list of participating state names (checkboxes or a multi-select box)
- e. *Valid field values or validation rules:*
- f. *Processing required to save or retrieve data field:*
- g. *Field processing notes:*

#### 25. *Field Name:* Product Brick

- a. *Description:* The brick name and numeric code established under the GS1 Global Product Classification (GPC) standard: <http://www.gs1.org/access-gpc-standards>. The building block of the GPC is a product code known as a brick. (The highest level of the classification is a *segment*, which is defined as a particular industry, and the lowest level is called a *brick attribute* which is defined as a particular product detail. See <http://www.gs1.org/how-gpc-works> for more information.)
- b. *Required or optional:* Required
- c. *Data type:* INT(8) [if definitions are stored separately from codes and concatenated in the UI; otherwise ENUM or VARCHAR. Brick codes are eight digits long and begin with "1" (e.g., "10000123").]
- d. *UI form field type:* select box presenting brick definitions followed by codes
- e. *Valid field values or validation rules:* See <Comparison of ME, VT, WA data standards.docx> for a list of relevant bricks. The system shall present the user with a menu of brick codes & descriptions relevant to the state(s) that the user has previously indicated the report is being made.
- f. *Processing required to save or retrieve data field:*
- g. *Field processing notes:*

#### 26. *Field Name:* Product Class

- a. *Description:* The class name established under the GS1 Global Product Classification (GPC) standard: <http://www.gs1.org/access-gpc-standards>. Class is the taxonomic level above brick.
- b. *Required or optional:* Required
- c. *Data type:* TBD
- d. *UI form field type:* No UI form field: class, family, and segment are inferred from the user's choice of brick.
- e. *Valid field values or validation rules:*
- f. *Processing required to save or retrieve data field:* Product class, family, and segment to be inferred from the user's choice of brick.
- g. *Field processing notes:*

#### 27. *Field Name:* Product Family

- a. *Description:* The family name established under the GS1 Global Product Classification (GPC) standard: <http://www.gs1.org/access-gpc-standards>. Family is the taxonomic level above class.
- b. *Required or optional:* Required
- c. *Data type:* TBD
- d. *UI form field type:* No UI form field: class, family, and segment are inferred from the user's choice of brick.
- e. *Valid field values or validation rules:*
- f. *Processing required to save or retrieve data field:* Product class, family, and segment to be inferred from the user's choice of brick.
- g. *Field processing notes:*

#### 28. *Field Name:* Product Segment

- a. *Description:* The segment name established under the GS1 Global Product Classification (GPC) standard: <http://www.gs1.org/access-gpc-standards>. Segment is the taxonomic level above family.
- b. *Required or optional:* Required
- c. *Data type:* TBD
- d. *UI form field type:* No UI form field: class, family, and segment are inferred from the user's choice of brick.
- e. *Valid field values or validation rules:*
- f. *Processing required to save or retrieve data field:* Product class, family, and segment to be inferred from the user's choice of brick.

- g. *Field processing notes:*
29. *Field Name:* Product Brand Name [This reporting requirement is unique to Vermont, so match these requirements to Vermont's.]
- Description:* Typically the name affixed to the product
  - Required or optional:* Required by Vermont; not collected elsewhere.
  - Data type:* VARCHAR(50)
  - UI form field type:* single-line text box, width = 50
  - Valid field values or validation rules:*
  - Processing required to save or retrieve data field:*
  - Field processing notes:*
30. *Field Name:* Product Model [This reporting requirement is unique to Vermont, so match these requirements to Vermont's.]
- Description:* "Product model" means the specific product name used by the retailer or assembler to place the product into the stream of commerce.
  - Required or optional:* Required by Vermont; not collected elsewhere.
  - Data type:* VARCHAR(25)
  - UI form field type:* single-line text box, width = 25
  - Valid field values or validation rules:*
  - Processing required to save or retrieve data field:*
  - Field processing notes:*
31. *Field Name:* Number of units sold—May want to break out by state/reporting period.
32. *Field Name:* Organization name
- Description:* The name of the organization for which the report is being made (either by that organization or another organization authorized to report on its behalf)
  - Required or optional:* Required
  - Data type:* INT() [Database stores organization ID.]
  - UI form field type:* select box presenting pick list of organization names
  - Valid field values or validation rules:* Pick list comprises only those organizations for which the current session holder is authorized to report. This is really an element of the UI design to allow association of two existing organization records, not a distinct data field.

- f. *Processing required to save or retrieve data field:*
- g. *Field processing notes:*

33. *Field Name:* Age group for this organization's product

- a. *Description:* The manufacturer's recommended or target age group for the product.
- b. *Required or optional:* Required
- c. *Data type:* ENUM() or INT()
- d. *UI form field type:* select box
- e. *Valid field values or validation rules:* CSPA uses two segments:
  - i. Under 3 years
  - ii. 3 – 12 years
- f. *Processing required to save or retrieve data field:*
- g. *Field processing notes:*

34. *Field Name:* Product component

- a. *Description:* The component of the reported product in which the reported chemical of concern is present.
- b. *Required or optional:* Required
- c. *Data type:* INT() or ENUM()
- d. *UI form field type:* select box
- e. *Valid field values or validation rules:* An interstate database list should comprise the union of participating state lists; similar component descriptions from different states may need to be reconciled or labeled with state names for clarity. VT and WA use the same component list:
  - i. Biobased materials (animal or plant based)
  - ii. Glass, ceramic and siliceous material
  - iii. Homogenous mixtures (gels, creams, powders, liquids, adhesives, synthetic fragrances)
  - iv. Inks/Dyes/Pigments
  - v. Metals (including alloys)
  - vi. Other (send email with details to <email address>)
  - vii. Surface coatings (paints, plating, waterproofing etc.)
  - viii. Synthetic polymers (synthetic rubber, plastics, foams etc.)

- ix. Textiles (synthetic fibers and blends)”
- f. *Processing required to save or retrieve data field:*
- g. *Field processing notes:*

35. *Field Name:* Chemical identity

- a. *Description:* The listed chemical of concern to children, identified by Chemical Abstracts Service Registry Number (CASRN) and chemical name.
- b. *Required or optional:* Required
- c. *Data type:* INT(), ENUM(), or VARCHAR()
- d. *UI form field type:* select box
- e. *Valid field values or validation rules:* The system shall present the user with a menu of chemicals (names and CASRNs) relevant to the state(s) that the user has previously indicated the report is being made. “Relevant to” means that the list should be the union of all reporting states’ lists. See <Comparison of reportable chemicals of high concern to children.docx>.
- f. *Processing required to save or retrieve data field:*
- g. *Field processing notes:*

36. *Field Name:* Maximum concentration of the chemical—range

- a. *Description:* The maximum concentration of the reported chemical of concern in the reported product component, expressed as a concentration range in parts per million by mass.
- b. *Required or optional:* Maximum concentration (range) or maximum concentration (precise) is required (but not both in CSPA—see below)
- c. *Data type:* INT(), ENUM(), or VARCHAR()
- d. *UI form field type:* select box
- e. *Valid field values or validation rules:* VT’s and WA’s pick lists comprise the same ranges:
  - i. Equal to or greater than the PQL but less than 100 ppm<sup>2</sup>
  - ii. Equal to or greater than 100 ppm but less than 500 ppm
  - iii. Equal to or greater than 500 ppm but less than 1,000 ppm
  - iv. Equal to or greater than 1,000 ppm but less than 5,000 ppm
  - v. Equal to or greater than 5,000 ppm but less than 10,000 ppm
  - vi. Equal to or greater than 10,000 ppm

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<sup>2</sup> PQL is an abbreviation for practical quantitation limit.

f. *Processing required to save or retrieve data field:* The CSPA system does not allow users to submit values in both the concentration range and precise concentration fields. An IC2 system could, however, allow this after checking that the two entries are consistent—though this is probably unnecessary. In this case, the system may only save the precise concentration.

g. *Field processing notes:*

37. *Field Name:* Maximum concentration of the chemical—precise

- a. *Description:* The maximum concentration of the reported chemical of concern in the reported product component, expressed as a precise concentration in parts per million by mass.
- b. *Required or optional:* Maximum concentration (range) or maximum concentration (precise) is required
- c. *Data type:* FLOAT()
- d. *UI form field type:* single-line text box
- e. *Valid field values or validation rules:* Values must be > 0. CSPA only accepts actual concentration values that are positive whole numbers—implying data type = FLOAT().
- f. *Processing required to save or retrieve data field:* Strip punctuation (e.g., “,”) and other non-numeric symbols (e.g., ““, “ppm”)
- g. *Field processing notes:* See note for “Maximum concentration of the chemical—range” above.

38. *Field Name:* Primary function in product

- a. *Description:* A brief description of the reported chemical of concern’s primary function in the product.
- b. *Required or optional:* Required
- c. *Data type:* INT(), ENUM(), or VARCHAR ()
- d. *UI form field type:* select box (VT has matched WA’s; monitor OR’s)
- e. *Valid field values or validation rules:*
- f. *Processing required to save or retrieve data field:*
- g. *Field processing notes:*

39. *Field Name:* Request confidentiality

- a. *Description:* Allows the reporting entity to request that the information reported be treated as CBI.



- b. *Required or optional:* Required
- c. *Data type:* TINYINT(1)
- d. *UI form field type:* select box
- e. *Valid field values or validation rules:* Yes/No, with default=No
- f. *Processing required to save or retrieve data field:* In the CSPA system, selecting yes immediately results in display of the following text:

**Written follow-up required. See below...**

Selecting this option lets the agency know that you will be submitting a request to the Director of the Department of Ecology for confidential treatment of the designated information in accordance with RCW 43.21A.160. Selecting this option does not ensure the Director will grant your request. You will need to submit your request in writing for the Director's consideration, and in your request you must certify that one or more of the grounds for confidential treatment of information set out in RCW 43.21A.160 applies to the designated information. If the Director determines that confidential treatment of the designated information would not be detrimental to the public interest and is otherwise in accord with applicable statutory policies, the Director may grant your request. (If we have not received your written request within 30 days of the date you submit your data to the Department, we may release your information to the public without providing you prior notice.)

Mail your requests to:

[etc.]

- g. *Field processing notes:* In CSPA, unlike requests for confidentiality of supply-chain relationships, this field does not trigger review by the system administrator (although the system apparently notifies the administrator to expect a written CBI claim), since it is the manufacturer's responsibility to submit a formal written request to Ecology. Determining how to handle such requests in an interstate system will require discussion.

40. *Field Name:* Report date

- a. *Description:* The date on which the report is submitted (could be later than the date on which the report was initially created).
- b. *Required or optional:* Required
- c. *Data type:* DATE
- d. *Valid field values or validation rules:*
- e. *Processing required to save or retrieve data field:* This field does not require user input, and the appropriate (i.e., current) date should be passed to the database upon submission of the form (in the UI) that finalizes the report.

- f. *Field processing notes:* Raises some questions regarding companies' ability to revise reports after submitting them. Are revisions allowed? If yes, do they overwrite the original report, or are they saved as new records? Etc.

41. *Field Name:* Attached file

- a. *Description:* xxxx
- b. *Required or optional:* xxxx
- c. *Data type:* xxxx
- d. *Data Size:* xxxx
- e. *UI form field type:*
- f. *Valid field values or validation rules:* xxxx
- g. *Processing required to save or retrieve data field:* xxxx
- h. *Field processing notes:* The design of the CSPAs system assumes that these documents are part of the public record—so not appropriate for docs to substantiate CBI claims, for example. Need to come back to this to clarify whether any associated fields (e.g., explanatory note) are required.

42. *Field Name:* Other relevant information

- a. *Description:* xxxx
- b. *Required or optional:* xxxx
- c. *Data type:* xxxx
- d. *Data Size:* xxxx
- e. *UI form field type:*
- f. *Valid field values or validation rules:* xxxx
- g. *Processing required to save or retrieve data field:* xxxx
- h. *Field processing notes:* xxxx

43. *Field Name:* Waiver granted

- a. *Description:* xxxx
- b. *Required or optional:* xxxx
- c. *Data type:* xxxx
- d. *Data Size:* xxxx
- e. *UI form field type:*
- f. *Valid field values or validation rules:* xxxx

- g. *Processing required to save or retrieve data field: xxxx*
- h. *Field processing notes: xxxx*

44. *Field Name: Notice of removal or no longer sold*

- a. *Description: xxxx*
- b. *Required or optional: xxxx*
- c. *Data type: xxxx*
- d. *Data Size: xxxx*
- e. *UI form field type:*
- f. *Valid field values or validation rules: xxxx*
- g. *Processing required to save or retrieve data field: xxxx*
- h. *Field processing notes: xxxx*

45. *Field Name: Fee payment(s)*

- a. *Description: This could involve collection of state-specific fees to cover their program costs (e.g., VT's \$200 per chemical reported) and/or a fee to support operation and maintenance of the multi-state data system – these could be separate transactions or a consolidated payment which is distributed in an automated fashion – or other options. This requires policy and technical discussion.*
- b. *Required or optional: xxxx*
- c. *Data type: xxxx*
- d. *Data Size: xxxx*
- e. *UI form field type:*
- f. *Valid field values or validation rules: xxxx*
- g. *Processing required to save or retrieve data field: xxxx*
- h. *Field processing notes: xxxx*

46. *Field Name: xxxx*

- a. *Description: xxxx*
- b. *Required or optional: xxxx*
- c. *Data type: xxxx*
- d. *Data Size: xxxx*
- e. *UI form field type:*
- f. *Valid field values or validation rules: xxxx*

- g. Processing required to save or retrieve data field: xxxx*
- h. Field processing notes: xxxx*

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