

CDDC Upload/Download Functionality Guidance for TRI-MEweb RY 2014

Contract # GS00Q09BGD0022 Task Order # EP-G11H-00154 TDD # 14.02 Version 1.00 January 28, 2015

# CDX:

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### 1 Upload/Download in TRI-MEweb

#### Changes in RY 2014

For Reporting Year 2014 (RY 2014), the "Third Party Load" functionality in TRI-MEweb has been renamed "Upload/Download." The functionality in Upload/Download remains the same: users can upload XML files that contain the facility and form information that needs to be submitted and certified within TRI-MEweb (all forms should be submitted electronically as of RY 2013).

#### Schema Version 6.0

Additionally for RY 2014, the schema used to communicate form submission data using the Exchange Network, has been upgraded to TRI version 6.0. The schema defines the fields that are used in the XML files that are uploaded into TRI-MEweb, downloaded from TRI-MEweb, and used to send the form submission information to EPA and the environmental offices of the states.

More information about the new schema can be found at:

http://www.exchangenetwork.net/data-exchange/toxics-release-inventory-tri/

All schema changes are backwardly compatible, but this schema change also adds seven (7) fields that you can use to provide more information and details about your form submission, mirroring the information captured by entering the data using the TRI-MEweb application for data entry.

See <u>Appendix B</u> for a sample XML file.

#### Upload/Download Functionality Review

To start the process of uploading a chemical form submission, go to the "My Facilities" tab and click the "Upload/Download Data" sub-tab.

To locate the XML file for current reporting year (RY 2014) to be uploaded, click on the "Browse" button as shown in Figure 1-1.

Image: Comparison of the second sec	Preferences 🖬 Save 🗙 Close						
Welcome My facilities Prepare Validate Transmit Review Certify eFDP 📀 <u>ODX-Helpder</u>							
My Facilities   Upload/Download Data							
Ø Upload Third-Party Data into TRI-MEweb	TRI-MEweb Help Area						
Step 1: Locate Third-Party Data							
Step 1: Locate Data   Step 2: Upload Options   Step 3: Upload   Step 4: Confirmation	Regulatory Information						
Loading Third-Party Data: If you have been provided completed TRI data for the current reporting year by a software vendor, environmental management information system, or other source that comples with the published TRI Data Exchange XML schema, you may use the Third-Party Load Tool feature to load your TRI data into TRI-MEweb. Otherwise, there is no need for the majority of TRI-MEweb users to load data. TRI-MEweb has already created draft current years from based on your prior year's forms.							
NOTE: Exiting these steps before your file is uploaded will interrupt the upload sequence and require you to return to Step 1 to start the process again.							
Use the Browse button below to locate your facility's data, as provided by your third-party load provider. The file should be in XML (eXtensible Markup Language) format with an * xml extension and have a maximum file size of fire (5) megabytes. When you have located the file, click Next.							
File to upload: CUBersissugusto/Documents/TDD 14.02 TRI-ME/web/RY 1465 - Prd [Rowma]	TRI-MEweb User Guide     Access the TRI-MEweb						

#### Figure 1-1: Upload Third-Party Data into TRI-MEweb



Assuming the information in the XML document is valid, after clicking "Next," you will see your chemical(s) listed beneath the facility information that applies to the form(s) that is being uploaded as shown in Figure 1-2.

<u> </u> т	Logged in as: SAMOR_AUGUSTO, CGI FEDERAL     G Pro							
Wel My Facilities	come My Facilitie	s Prepare Valida	te Transmit Review Certify eFDP			(	O CDX Helpdes	sk Chat
O Uploa Step 2: Sele	ad Third-Party ct Upload Options	Data into TRI-M	Eweb					TRI-MEweb Help Area
Step 1: Lo	Step 1: Locate Data   Step 2: Upload Options   Step 3: Upload   Step 4: Confirmation							
NOTE: E	NOTE: Exiting these steps before your file is uploaded will interrupt the upload sequence and require you to return to Step 1 to start the process again. All forms that can be uploaded have been automatically selected below, however, you can de-select any form that you do not wish to load. When you have selected the forms you want to upload, click Next. If these draft forms							
Facility Nar TRIFID: 201	ne: AO TECHNOLO 4WTCHNL1988B	DGIES INC, ASHBUI	RN, VA, 20147					<u>More about TRI</u>
	Select for Upload	CAS No Cat. Code	Chemical Name	Reporting Year	Form Type	Status		TRI-MEweb User Guide Access the TRI-MEweb
	V	N150	Dioxin and Dioxin-like Compounds	2014	Form R	Ready for upload		User Guide How do Hoad third-party TRI data?

Figure 1-2: Upload Third-Party Data into TRI-MEweb (Step 2)

After selecting the form(s) and clicking "Next", the form is uploaded as shown in Figure 1-3.

۲ 🌏 ۱	Cogged in as: SAMORI_AUGUSTO, CGI FEDERAL     G Prot								
We	Welcome My facilities Prepare Validate Transmit Review Certify eFDP								
My Facilitie	s Upload/Download	Data							
O Uplo	ad Third-Party	Data into TRI-MEweb				TRI-MEweb Help Area	a		
Step 3: Upl	ad								
Step 1: Lo	Step 1: Locate Data   Step 2: Upload Options   Step 3: Upload   Step 4: Confirmation								
NOTE: E	xiting these steps b	efore your file is uploaded will interrupt the upload sequence	and require you to return to Step 1 to start	the process again.		Assistance Library			
L						for RY2014			
Review th	e list of forms that v	will be uploaded and click Upload. Otherwise, click Back	to change your upload options.			General TRI informatio     More about TRI	m		
Facility Na TRIFID: 20	me: AO TECHNOL 14WTCHNL1988B	OGIES INC, ASHBURN, VA, 20147							
	CAS No Cat. Code	Chemical Name	Reporting Year	Form Type	Upload Details	TRI-MEweb User Gui	de		
	N150 Dixixin-Alk Compounds 2014 Form R Will be uploaded as a new form								
	T Upload					How do I load third-par <u>TRI data?</u>	tty		

Figure 1-3: Upload Third-Party Data into TRI-MEweb (Step 3)



After the XML file upload is attempted, TRI-MEweb will provide the user with the Upload Results as shown in Figure 1-4.

CONTRI-MEwee Logged in as: SAMORI_AUGUSTO, CGI FEDERAL OP Protocol								
Wel	Welcome Myfacilities Prepare Validate Transmit Review Certify eFDP © CDX Helpotes C							
My Facilities	Upload/Download Data							
@ Upload Third-Party Data into TRI-MEweb								
Step 4: Cont	irmation							
Step 1: Lo TRI-MEwel Facility Nar TRIFID: 201	cate Data   Step 2: Uplo b is finished uploading y me: AO TECHNOLOGIE 4WTCHNL1988B	ad Options   Step 3: Upload   <b>Step 4: Confirmation</b> our data. Please review the upload results below. S INC, ASHBURN, VA, 20147				Regulatory Information     Access Inc TRI     Access Inc TRI     Massiance Librar     Impodati information     for PY2014     General TRI Information		
	CAS No Cat. Code	Chemical Name	Reporting Year	Type	Upload Results	More about TRI		
	N150	Dioxin and Dioxin-like Compounds	2014	Form R	SUCCESS!			
lf you woul	If you would like to proceed to transmit this data, you will first need to validate these forms.							

Figure 1-4: Successful upload

After successfully uploading the chemical(s), the user will need to provide facility information (facility information is not uploaded with the Upload/Download functionality) such as primary NAICS, mailing address, parent company name, etc. The user will be prompted to provide that information as shown in Figure 1-5.

C TRI-ME		Protococo M Serve X Close						
Webcone MyTacilles Prepare Validate Transmit Review Cartay - Select You Select Facilit (Yarma Downachity Dovide Review Docum Dovide Yarma	Welcome Thy Facilities Prepare [Validation Transmit Review Calify #200     set trans [Sect Facility [Forms   Downski trip ] Oo-site Review   Oo-site Revie							
Select a Form			AO TECHNOLOGES NC ASHBURN VA 20(ANTCHR.10688) Reporting Visio 2014	TRI-MEweb Help Area				
The following us a fast of the Reporting Year 2014 channeal forms for this facility. Po Click Add Form to create one or more blank channeal forms Click Import Data to create and pre-populate RY 2013 channeal forms based on Click Not Reporting? If you would like to indicate that you will not be submitting Add Form (report Data) Not Reporting?		Regulatory Information     Access the TR     Sections the TR     descriptions     descriptions     description     description     description     description     description     description     description						
Experimeneed CAS The Chemical Name	My facility's name has changed	Zi Edit	Form Status	CURRENT CONTRACTOR				
nvisa Dioxin and Dinxin-Rive Compounds (PDE)	My facility's physical location has changed	Zh Edit	× Ooleta					
	EPA now requires facilities located in Indian Country to report their BIA code.							
	My facility is also located in Indian Country	≠1 Edit		TRI-MEweb User Guide				
	I need to report for a new facility	+ Add		<ul> <li>Access the TRUMEweb User Guide</li> </ul>				
	Facility not reporting? Provide information to EPA why your facility is not reporting (optional)	Zt Edit		Catest a Form     IRO-ME web for RVs				
		ок						

Figure 1-5: Prompt to Provide New or Updated Facility Information

After providing facility information, the user can validate the chemical(s) and submit data to EPA.

## 2 New XML Data Fields for RY 2014

#### New Fields for RY 2014

The following are the seven new data fields in the TRI v6.0 schema that can be included in your XML document.

Data Field Name	Description	Example
TechnicalContactPhoneExtText	The phone extension number of the technical contact for the TRI report.	1709
PublicContactPhoneExtText	The phone extension number of the pubic contact for the TRI report.	300
StreamReachCode	The reach code of the stream, river, lake, or other water body to which the chemical is discharged.	04030105001160
ProductionRatioType	Indicates whether the ratio provided is a production or activity ratio.	"ACTIVITY"
SourceReductionEfficiencyCode	Indicates the estimated annual reduction in chemical waste.	"R1"
TRICommentType	Indicates the type of the comment data.	"PRAI"
TRICommentText	Narrative provided by the facility as optional comment data.	"Production levels have been reduced by 0.56% from the last reporting year. "

#### Table 2-1: New Data Fields in TRI v6.0 Schema

The following exhibit has details for what each field can include as an XML tag.

Data Field Name	Data Entry Equivalent	Value	Max Size	Mandatory
TechnicalContactPhoneExtText	"Ext:" in Form R Part II, Section 4.3	Numbers	5	No
PublicContactPhoneExtText	"Ext:" in Form R Part II, Section 4.3	Numbers	5	No
StreamReachCode	Form R Part II, Sections 5.3	Numbers	14	No
ProductionRatioType	Form R Part II, Sections 8.9	"ACTIVITY" or "PRODUCTION"	20	Yes
SourceReductionEfficiencyCode	Form R, Part II, Section 8.10	R1, R2, R3, R4, R5, R6	2	No
TRICommentType	Form R, Part II, Sections 8.10, 8.11 and 9.1	SR, RECY, EGY, TRT, GEM, METH, ORIG, 8.11, B1, B2, B3, B4, B5, B6, B7, SRNA, W[XX], T[XX], PROD, CALC, ONET, ISSU, CONT, REG, NOFAC, NOCHEM, 9.1, PRAI	10	No (unless comments added via TRICommentText)
TRICommentText	Form R, Part II, Section 8.10, 8.11 and 9.1	String	4000	No (unless comment types added via TRICommentType)

Table 2-2: Data	<b>Definitions fo</b>	r the new fields
-----------------	-----------------------	------------------

Note that for ProductionRatioType, the value is Mandatory if section 8.9 is not N/A. TRICommentType and TRICommentText are tied together: if you have one you must have the other for any comments you include in the XML file, otherwise they are jointly optional.

See <u>Appendix A</u> for valid values for ProductionRatioType, SourceReductionEfficiencyCode, and TRICommentType.

#### New Fields Allowing Data Input

The following figures display the PDF view of a completed form (in TRI-MEweb, the user sees this view when they click the "View Form" button) where the new data fields appear in the TRI-MEweb RY 2014 Form R.

Figure 2-1: TechnicalContactPhoneExtText and PublicContactPhoneExtText

									TRI Facility ID Number			
	EPA		F	ORM	R				2203WCGXXX123AK			
Enviro	amental Protection Agency	Section 313 of the Eme also known as Title I	rgency Plann II of the Supe	ing and Co erfund Ame	mmunit endmen	munity Right-to-know Act of 1986, dments and Reauthorization Act.				ic Chemical, Category, or Generic Name		
							Dioxin and Dioxin-like Compound					
WHE	WHERE TO SEND         1. TRI Data Processing Cen           WHERE TO SEND         P.O. Box 10163           COMPLETED FORMS:         Fairfax, VA 22038           **** Draft Form Only: Do Not Subm					ter 2. APP (See				APPROPRIATE STATE OFFICE See instructions in Appendix F)		
This	section only app	lies if you are revising or	Re	vision (En	ter up	to two code(s)	)		Withdrawal	Enter up to	two co	ode(s))
wi	ithdrawing a prev otherwise	viously submitted form, e leave blank:			11	1				111		
Importan	t: See Instructions	to determine when "Not Applicat	ole (NA)" box	xes should	be chec	ked.	6					
			Part I. FAC	LITY IDE	INTIFIC	CATION INFOR	RMATION					
SECTIO	N 1. REPORTING	YEAR : 2014										
SECTIO	N 2. TRADE SEC	RET INFORMATION										
2.1 Are y	you claiming the to [] Yes (Answer q [X] NO (Do not	xic chemical identified on page 2 uestions 2.2; attach substantiation answer 2.2; go to Section 3)	trade secret? forms)		2.2 Is ti	his copy [] Sanitized [ (Answer only	] Unsanitize if "Yes" in 2	d 2.1)				
SECTIO	N 3. CERTIFICAT	TON (Important: Read and sign a	fter completi	ng all form	section	15.)						
I hereby and value	certify that I have : es in this report are	reviewed the attached documents accurate based on reasonable est	and that, to th imates using	he best of n data availa	ny knov ble to tl	wledge and belie he preparers of th	f, the submit his report.	ted info	rmation is true	and complete	e and th	at the amounts
Name a	ad official title of o	wner/operator or senior managen	nent official:			Signature:					Date S	Signed:
Draft I	Form Only: Do l	Not Submit to EPA				Draft Form	Only: Do l	Not Su	bmit to EPA		XX/X	XXXXX
SECTIO	N 4. FACILITY II	DENTIFICATION										
4.1						TRI Facility	ID Number		220	3WCGXX	X123A	K
				Facility of	r Establi CGI	ishment Name I						
		Street 123 OAK					Mailing Add	tress (if ) 45	different from phy 6 Hail gate d	rsical street add	<u>tress)</u>	
	ORLANDO	<u>City/County/Tribe/State/ZIP Code</u> / Gadsden / BIA Code: 001	/FL /22	033		City/State/ZIP Code Country (Non-US Jackson ville / FL / 22034				try (Non-US)		
4.2	This (Important	report contains information for : check a or b; check c or d if appl	licable)	a. [ X	] An Ei	ntire facility	b. [] Part	of a faci	ility c. []	A Federal fa	cility	d. [] GOCO
4.3		Technical Contact name		3	John I	Doe	john.d	Email Ad loe@lo	<u>idress</u> oreal.com	m <u>S97-8979</u> - 3456		(include area code ast.) 9 - <mark>3456</mark>
4.4	4.4 Public Contact name Jan			Jane I	Doe	Jane.c	Email Ad	<u>idress</u> oreal.com	Telephone 1 987-89	<u>Aumber</u> <u>and e</u> 97-897	(include area code ast.) 9 - <mark>8984</mark>	
4.5		NAICS Code(s) (6 digits)		a. 325520 (Primary)		b. 111130	с.		d.	е.		f.
4.6					Dun aı Numbe	nd Bradstreet er(s) (9 digits)						
	a. 535434534											
b. 345345345												
SECTIO	ON 5. PARENT CO	MPANY INFORMATION										
5.1	Name of U.S. Par (for TRI Reportin	ent Company g purposes)			22	Jackson	ville Inc			No U. (for TRL	S. Parei Reportii	nt Company ng purposes) [ ]
5.2	Parent Company's	Dun & Bradstreet Number		NA[]	786876876							

- "TechnicalContactPhoneExtText" corresponds to item 4.3 and the highlighted ext. to the right.
- "PublicContactPhoneExtText" corresponds to number 4.4 and the ext. to the highlighted ext. to the right.

#### Figure 2-2: StreamReachCode

TRI FORM R PART II. CHEMICAL - SPECIFIC INFORMATION         TRI Facility ID Number 2003WTRFCL593DU Touic Chemical, Category, or Generic Name Dioxin and Dioxis-like Compounds           SECTION 1. TOXIC CHEMICAL IDENTITY         (Important: DO NOT complete this section if you are reporting a unitare component in Section 313 Sit Enter category code if reporting a chemical category.)         11           CAS Number (Important: Enter only one number exactly as it appears on the Section 313 Sit Enter category code if reporting a chemical category.)         N150           11         Toxic Chemical or Chemical Category Name (Important: Enter only one name exactly as it appears on the Section 313 Sit)           12         Toxic Chemical Name (Important: Complete only if Part I, Section 21 is checked "Ve", Generic Name must be structurally descriptive).           13         Generic Chemical Name (Important: DO NOT complete his section 17 or completed Section 1 above.)           5ECTION 2. MIXTURE COMPONENT IDENTITY (Important: DO NOT complete his section 17 or completed Section 1 above.)         Section 31 A CITVITIES AND USES OF THE TOXIC CHEMICAL AT THE FACILITY (Important: Chemical Name Provided by Suppler (Important: Maximum of 70 characters, including numbers, spaces, and punchation.)           31         Mammforture the toxic chemical:         3.2         Process the toxic chemical:         3.3         Otherwise use the toxic chemical: a [] As a shearing and c. [] For on-its useparcessing e [] As an impurity         1         1         1         1         1         1         1         1         1	1 2 3	4 5 Additional Info Schedule 1			Page 2 of 5			
EPA FORM R PART II. CHEMICAL - SPECIFIC INFORMATION           2003WTEFCL893DU Toxic Chemical, Category, or Generic Name Dioxin and Dioxin-like Compounds           SECTION 1. TOXIC CHEMICAL IDENTITY (Important: DO NOT complete this section if you are reporting a mixture component in Section 2 below.)           CAS Number (Important: Enter only one number evacity as it appears on the Section 313 list. Enter conlegation on the Section 313 list.           10           Dioxin and Dioxin-like Compounds           Oncic Chemical or Chemical Category Name (Important: Enter only one name exactly as it appears on the Section 313 list.           International Dioxin and Dioxin-like Compounds           NA           SECTION 2. MINTURE COMPONENT IDENTITY (Important: DO NOT complete this section if you completed Section 1 above.)           SECTION 3. ACTIVITES AND USES OF THE TOXIC CHEMICAL AT THE FACILITY           Manufacture the toxic chemical:         3.3         Otherwise use the toxic chemical:           A CTIVITES AND USES OF THE TOXIC CHEMICAL AT THE FACILITY           Important: Chemical Dispanse	EPA FORM R				TRI Facility ID Number			
Toxic Chemical, Category, or Generic Name           Dioxin and Dioxin-like Compounds           SECTION 1. TOXIC CHEMICAL IDENTITY (Important: DO NOT complete this section if you are reporting a mixture component in Section 3 below.)           CAS Number (Important: Enter only one number evacity as it appears on the Section 313 list. Enter control you are number evacity as it appears on the Section 313 list. Enter control on the Section 313 list. Enter control one number evacity as it appears on the Section 313 list.           10           Operation 2.000000000000000000000000000000000000					2003WTRFCL893DU			
Dioxin and Dioxin-like Compounds           SECTION 1. TOXIC CHEMICAL IDENTITY (Important: DO NOT complete this section if you are reporting a mixture component in Section 312 bits. There category code if reporting a chemical category.)           11           CAS Number (Important: Enter only one number exactly as it appears on the Section 313 bits. Enter category code if reporting a chemical category.)           11           CAS Number (Important: Enter only one name exactly as it appears on the Section 313 bits.)           12           Toxic Chemical Chemical Category Name (Important: Enter only one name exactly as it appears on the Section 313 bits.)           12           Generic Chemical Name (Important: Complete only if Part I, Section 21 is checked "Yes". Generic Name must be structurally descriptive).           NA           SECTION 2. MINTURE COMPONENT IDENTITY (Important: DO NOT complete insection 17 on complete insection 18 on exp.)           SECTION 3. ACTIVITES AND USES OF THE TOXIC CHEMICAL AT THE FACILITY (Important: Category in a anticle component c [] for on-the use processing ad [] [] As a nettice component c [] for on-the use processing ad [] [] As a nettice component c [] for on-the use processing ad [] [] As a nettice component c [] As a produce b [] fast a numburity or other use c [] As its produce c [] fast is produce b [] [] (Enter two-digit code from instructure processing ad c [] As		PART II. CHEMICAL - SPECIFIC INFORMATION				Toxic Chemical, Category, or Generic Name		
SECTION 1. TOXIC CHEMICAL IDENTITY       (Important: DO NOT complete this section if you are reporting a mixture component in Section 2 below.)         1.1       CAS Number (Important: Enter only one number exactly as it appears on the Section 312 list. Enter category code if reporting a chemical category.)         1.1       Toxic Chemical or Chemical Category Name (Important: Enter only one name exactly as it appears on the Section 313 list.         1.1       Toxic Chemical or Chemical Category Name (Important: Enter only one name exactly as it appears on the Section 313 list.)         1.3       Generic Chemical Name (Important: Complete only if Part I, Section 2.1 is checked "Yes". Generic Name must be structurally descriptive).         1.3       Generic Chemical Name (Important: Do NOT complete this section if you completed Section 1 above.)         SECTION 2. MIXTURE COMPONENT IDENTITY (Important: DO NOT complete this section if you completed Section 1 above.)         SECTION 3. ACTIVITIES AND USES OF THE TOXIC CHEMICAL AT THE FACILITY (Important: Chemical Name Provided by Supplier (Important: Maximum of 70 characters, including numbers, space, and punctuation.)         3.1       Manufacture the toxic chemical:       3.2         a [ X] Produce b [ ] Import       a. [ ] As a reactant       b. [ ] As a reactant       b. [ ] As a formulation component       c. [ ] As a chemical processing aid d. [ ] Reparkaging e. [ ] As a natricle component o. [ ] As a chemical processing aid d. [ ] Reparkaging e. [ ] As a natricle component o. [ ] As a chemical processing aid d. [ ] Reparkaging e. [ ] As a natricle component o. [ ] Ancillary or other use				Dioxin and Dioxin-like Compounds				
CAS Number (Important: Enter only one number exactly as it appears on the Section 313 list. Enter category code if reporting a chemical category.)         N150         N150         Divis Chemical or Chemical Category Name (Important: Enter only one name exactly as it appears on the Section 313 list.)         Divis mad Dioxin-Bike Compounds         Divis mad Dioxin-Bike Compounds         Section 2.1 is tocked "Yes". Generic Name must be structurally descriptive).         NA         Section 2.1 is tocked "Yes". Generic Name must be structurally descriptive).         NA         Section 2.1 is tocked "Yes". Generic Name must be structurally descriptive).         NA         Section 3. ACTIVITIES AND USES OF THE TOXIC CHEMICAL AT THE FACILITY         (Important: Chemical: 3.2       Process the toxic chemical: 3.3       Otherwise use the toxic chemical: 3.1         3.1       Manufacture the toxic chemical: 3.2       Process the toxic chemical: 3.3       Otherwise use the toxic chemical: CI_IA's a matricle component of [] As a matricle component of [] As a matricle component of [] As a minuparity or other use to [] As a minuparitor on pachage.)         SEC	SECTIO	N 1. TOXIC CHEMICAL IDENTITY	(Important: DO NOT com	plete this section if you are reporting a	a mixture component in Se	ction 2 below.)		
N160         N160         Inter only one name exactly as it appears on the Section 313 list.)         Divin and Diorin-like Compounds         Operation of the Inter only one name exactly as it appears on the Section 313 list.)         Inter only one name exactly as it appears on the Section 313 list.)         Divin and Diorin-like Compounds         Operating the Inter only one name exactly as it appears on the Section 313 list.)         Inter only one name exactly as it appears on the Section 313 list.)         Inter only one name exactly as it appears on the Section 313 list.)         Inter only one name exactly as it appears on the Section 313 list.)         Inter only one name exactly as it appears on the Section 313 list.)         Inter only one name exactly as it appears on the Section 313 list.)         Inter only one name exactly as it appears on the Section 313 list.)         Inter only one only of Part I, Section 2.1 is checked "Yes". Generic Name must be structurally descriptive).         Inter only one only of Part I, Section 2.1 is checked "Yes". Generic Name must be structurally descriptive).         Inter only one only one must be structurally descriptive.)         Inter only one only one must be structurally descriptive.)         Inter only one only one must be structurally descripti		CAS Number (Important: Enter only one number exactly as it appears on the Section 313 list. Enter category code if reporting a chemical category.)						
Toxic Chemical or Chemical Category Name (Important: Enter only one name exactly as it appears on the Section 313 list.)         Dioxin and Dioxin-like Compounds         Open it is checked "Yes". Generic Name must be structurally descriptive).         NA         SECTION 2. MIXTURE COMPONENT IDENTITY (Important: DO NOT complete this section if you completed Section 1 above.)         SECTION 2. MIXTURE COMPONENT IDENTITY (Important: DO NOT complete this section if you completed Section 1 above.)         SECTION 2. MIXTURE COMPONENT IDENTITY (Important: Maximum of 70 characters, including numbers, spaces, and punctuation.)         NA         SECTION 3. ACTIVITIES AND USES OF THE TOXIC CHEMICAL AT THE FACILITY         (Important: C. [] For on-site use processing d. [X] Produce b. [] Import         If yroduce b. [] Import         a. [] As a chemical processing d. [X] For sale distribution e. [] As a byperduct f. [] As an impurity       a. [] As a chemical processing aid b. [] As a manufacturing aid c. [] As a manuf	1.1	N150						
Dioxin and Dioxin-like Compounds         Operation of the problem of the pr		Toxic Chemical or Chemical Category Name (Important: Enter only one name exactly as it appears on the Section 313 list.)						
Generic Chemical Name (Important: Complete only if Part I, Section 2.1 is checked "Yes". Generic Name must be structurally descriptive).         NA         SECTION 2 MIXTURE COMPONENT IDENTITY (Important: DO NOT complete this section if you completed Section 1 above.)         Generic Chemical Name Provided by Supplier (Important: Maximum of 70 characters, including numbers, spaces, and punctuation.)         NA         SECTION 2 MIXTURE COMPONENT IDENTITY (Important: DO NOT complete this section if you completed Section 1 above.)         Generic Chemical Name Provided by Supplier (Important: Maximum of 70 characters, including numbers, spaces, and punctuation.)         NA         SECTION 3 ACTIVITIES AND USES OF THE TOXIC CHEMICAL AT THE FACILITY (Important: Check all that apply.)         31         Manufacture the toxic chemical:         3.1         Manufacture the toxic chemical:         3.1         Manufacture the toxic chemical:         a. [] As a hypotheric colspan="2">c. [] As a article component c. [] As a byproduct f. [] As a nimpurity         a. [] As a hypotheric f. [] As a nimpurity         SECTION 4. MAXIMUM AMOUNT OF THE TOXIC CHEMICAL ON-SITE AT ANY TIME DURING THE CALENDAR YEAR         4.1         Sectron 5 guantities for the toxic Chemical Entere	1.2	Dioxin and Dioxin-like Compounds						
13       NA         SECTION 2 MIXTURE COMPONENT IDENTITY (Important: DO NOT complete this section if you completed Section 1 above.)         Generic Chemical Name Provided by Supplier (Important: Maximum of 70 characters, including numbers, spaces, and punctuation.)         NA         SECTION 3. ACTIVITIES AND USES OF THE TOXIC CHEMICAL AT THE FACILITY (Important: Check all that apply.)         31         Manufacture the toxic chemical: 3.2         a [ ] As a reactant b. [] As a reactant c. [] For on-site use processing d. [ X] Produce b. [] Import         a. [] As a reactant b. [] As a reactant c. [] As a animptotic c. [] As a namufacturing aid d. [ X] Produce or import: c. [] As a subproduct f. [] As a namufacturing aid d. [ Repackaging e. [] As a nimpurity         SECTION 4 MAXIMUM AMOUNT OF THE TOXIC CHEMICAL ON-SITE AT ANY TIME DURING THE CALENDAR YEAR         4.1         SECTION 5 QUANTITY OF THE TOXIC CHEMICAL ENTERING EACH ENVRONMENTAL MEDIUM ON-SITE         SECTION 5 QUANTITY OF THE TOXIC CHEMICAL ENTERING EACH ENVRONMENTAL MEDIUM ON-SITE         SECTION 5 QUANTITY OF THE TOXIC CHEMICAL ENTERING EACH ENVRONMENTALIA MEDIUM ON-SITE         Section 5 QUANTITY OF THE TOXIC CHEMICAL ENTERING EACH ENVRONMENTALIA MEDIUM ON-SITE         Significant NA [ ]         Significant NA [ ]          NA [ ]       20		Generic Chemical Name (Important: Complete only if Part I, Section 2.1 is checked "Yes". Generic Name must be structurally descriptive).						
SECTION 2. MIXTURE COMPONENT IDENTITY (Important: DO NOT complete this section if you completed Section 1 above.)           2.1         Generic Chemical Name Provided by Supplier (Important: Maximum of 70 characters, including numbers, spaces, and punctuation.)           2.1         NA           SECTION 3. ACTIVITES AND USES OF THE TOXIC CHEMICAL AT THE FACILITY (Important: Check all that apply.)         3.1         Manufacture the toxic chemical:         3.2         Process the toxic chemical:         3.3         Otherwise use the toxic chemical:           a. [X] Produce b. [] Import         a. [] As a reactant         b. [] As a reactant         b. [] As a chemical processing aid         b. [] As a numulation component         c. [] As an impurity         SECTION 4. MAXIMUM AMOUNT OF THE TOXIC CHEMICAL ON-SITE AT ANY TIME DURING THE CALENDAR YEAR         4.1         [16] [Enter two-digit code from instruction package.)         SECTION 5.QUANTITY OF THE TOXIC CHEMICAL ENTERING EACH ENVIRONMENTAL MEDIUM ON-SITE           5.1         Fugitive or non-point         NA []         33         E2         Section point         C. Percent from Stormwater	1.3	NA						
Generic Chemical Name Provided by Supplier (Important: Maximum of 70 characters, including numbers, spaces, and punctuation.)         NA         SECTION 3. ACTIVITIES AND USES OF THE TOXIC CHEMICAL AT THE FACILITY (Important: Check all that apply.)         3.1         Mamufacture the toxic chemical:         3.2         Process the toxic chemical:         a. [] As a chemical processing         a. [] As a reactant         C. [] For on-tite use/processing         d. [] As a byproduct         £ [] As a nimpurity       b. [] As a formulation component         c. [] As a byproduct       £ [] As a nimpurity       a. [] As a chemical processing aid         C. [] As a byproduct         f [] As a byproduct       c. [] As a nartice component       a. [] As a chemical processing aid         C. [] As a impurity         SECTION 4. MAXIMUM AMOUNT OF THE TOXIC CHEMICAL ON-SITE AT ANY TIME DURING THE CALENDAR YEAR         4.1]         SECTION 5.QUANTITY OF THE TOXIC CHEMICAL ENTERING EACH ENVIRONMENTAL MEDIUM ON-SITE         A Total Release (pounds/year*)         Static or point       NA []       3.3         Static or point         A Total Release (po	SECTIO	N 2. MIXTURE COMPONENT IDENTITY	Important: DO NOT compl	ete this section if you completed Section	on l above.)			
2.1       NA         SECTION 3. ACTIVITIES AND USES OF THE TOXIC CHEMICAL AT THE FACILITY (Important Check all that apply.)       3.1       Manufacture the toxic chemical:       3.2       Process the toxic chemical:       3.3       Otherwise use the toxic chemical:         a. [] As a reactant       a. [] As a reactant       b. [] As a reactant       a. [] As a chemical processing aid         d. [X] Produce or import:       c. [] As a a natule component       a. [] As a chemical processing aid       b. [] As a manufacturing aid         d. [] As a byproduct       f. [] As an impurity       a. [] As a manufacturing aid       c. [] As a manufacturing aid         section 4. MAXIMUM AMOUNT OF THE TOXIC CHEMICAL ON-SITE AT ANY TIME DURING THE CALENDAR YEAR       4.1]       [16] [Chier two-digit code from instruction package.)         SECTION 5.QUANTITY OF THE TOXIC CHEMICAL ENTERING EACH ENVIRONMENTAL MEDIUM ON-SITE       A. Total Release (pounds/year*) (Enter range code or estimate**)       B. Basis of Estimate (Enter code)       C. Percent from Stornwater         5.1       Fugitive or non-point are emissions       NA []       20       C         5.3       Discharges to receiving streams or water bodits (Enter one anne per box)       NA []       20       C         5.3.1       Nocqueby Lake 118       04030105001100       200       E1       196		Generic Chemical Name	Generic Chemical Name Provided by Supplier (Important: Maximum of 70 characters, including numbers, spaces, and punctuation.)					
SECTION 3. ACTIVITIES AND USES OF THE TOXIC CHEMICAL AT THE FACILITY (Important: Check all that apply.)         3.1       Manufacture the toxic chemical:       3.2       Process the toxic chemical:       3.3       Otherwise use the toxic chemical:         a.[] As a reactant       a.[] As a reactant       3.3       Otherwise use the toxic chemical:       a.[] As a chemical processing d[X] as a toricle component       a.[] As a chemical processing d[X] as a traitile component       a.[] As a chemical processing d[X] as a traitile component       a.[] As a manufacturing aid       c.[] As a manuf	2.1	NA NA						
3.1       Manufacture the toxic chemical:       3.2       Process the toxic chemical:       3.3       Otherwise use the toxic chemical:         a [X] Produce b. [] Import       If produce or import:       a. [] As a reactant       a. [] As a reactant       b. [] As a on-site use processing ad       a. [] As a neticle component       a. [] As a a manufacturing aid       c. [] As a naticle component       c. [] As a manufacturing aid       d. [] As a ma	SECTIO (Importa	SECTION 3. ACTIVITIES AND USES OF THE TOXIC CHEMICAL AT THE FACILITY (Important: Check all that apply.)						
a. [X] Produce b. [] Import         If produce or import:         c. [] As a reactant         b. [] As a formulation component         d. [X] For sale/distribution         e. [] As a byproduct         f. [] As a impurity         SECTION 4. MAXIMUM AMOUNT OF THE TOXIC CHEMICAL ON-SITE AT ANY TIME DURING THE CALENDAR YEAR         4.1         [16] [Enter two-digit code from instruction package.)         SECTION 5.QUANTITY OF THE TOXIC CHEMICAL ENTERING EACH ENVIRONMENTAL MEDIUM ON-SITE         A. Total Release (pounds/year*)         B. Basis of Estimate (Enter range code or estimate**)         S.1         Fugitive or non-point air emissions         NA []         33         Discharges to receiving streams or water bodies (Enter one name per box)         NA []         S1         Nocquebay Lake 118         04030105001160         200       E1	3.1	Manufacture the toxic chemical:	3.2 Pro	cess the toxic chemical:	3.3 Otherwise use the toxic chemical:			
If produce or import:       a. [] As a reactant       b. [] As a reactant       b. [] As a reactant       b. [] As a chemical processing aid         d. [] Y For sale/distribution       e. [] As a byproduct       f. [] As an anticle component       d. [] Repackaging       e. [] As a manufacturing aid       c. [] As a manufacturing aid         section 4. MAXIMUM AMOUNT OF THE TOXIC CHEMICAL ON-SITE AT ANY TIME DURING THE CALENDAR YEAR       4.1       [16] [Enter two-digit code from instruction package.)         SECTION 5.QUANTITY OF THE TOXIC CHEMICAL ENTERING EACH ENVIRONMENTAL MEDIUM ON-SITE       B. Basis of Estimate       C. Percent from Stornwater         5.1       Fugitive or non-point       NA []       33       E2         5.1       Fugitive or non-point       NA []       20       C         5.3       Discharges to receiving streams or water bodys (Enter one name per box)       NA []       20       C         5.3.]       Nocquebay Lake 118       04030105001160       200       E1       1%	a. [X] Produce b. [] Import							
SECTION 4. MAXIMUM AMOUNT OF THE TOXIC CHEMICAL ON-SITE AT ANY TIME DURING THE CALENDAR YEAR         4.1       [16] [Center two-digit code from instruction package.)         SECTION 5.QUANTITY OF THE TOXIC CHEMICAL ENTERING EACH ENVIRONMENTAL MEDIUM ON-SITE         A. Total Release (pounds/year*) (Enter range code or estimate**)       B. Basis of Estimate (Enter code)       C. Percent from Stormwater         5.1       Fugitive or non-point air emissions       NA []       33       E2         5.2       Stack or point air emissions       NA []       20       C         5.3       Discharges to receiving streams or water bodies (Enter one name per box)       NA []       1         Stream or Water Body Name       Reach Code (optional)       1       1         5.3.1       Nocquebay Lake 118       04030105001160       200       E1       1%	If produce or import: c. [] For on-site use/processing b. d. [X] For sale/distribution e. [] As a byproduct f. [] As an impurity		b.[]/ c.[	a. [] As a reactant As a formulation component ] As an article component d. [] Repackaging e. [] As an impurity	a. [] As a chemical processing aid b. [] As a manufacturing aid c. [] Ancillary or other use			
4.1       [16] [Enter two-digit code from instruction package.)         SECTION 5.QUANTITY OF THE TOXIC CHEMICAL ENTERING EACH ENVIRONMENTAL MEDIUM ON-SITE         A. Total Release (pounds/year*) (Enter range code or estimate**)       B. Basis of Estimate (Enter code)       C. Percent from Stormwater         5.1       Fugitive or non-point air emissions       NA []       33       E2         5.2       Stack or point air emissions       NA []       20       C         5.3       Discharges to receiving streams or water bodies (Enter one name per box)       NA []       200       C         5.3.1       Nocquebay Lake 118       04030105001160       200       E1       1%	SECTIO	N 4. MAXIMUM AMOUNT OF THE TOXIC	C CHEMICAL ON-SITE A	ANY TIME DURING THE CALEN	DAR YEAR			
SECTION 5.QUANTITY OF THE TOXIC CHEMICAL ENTERING EACH ENVIRONMENTAL MEDIUM ON-SITE         A. Total Release (pounds/year*) (Enter range code or estimate**)       B. Basis of Estimate (Enter code)       C. Percent from Stormwater         5.1       Fugitive or non-point air emissions       NA []       33       E2         5.2       Stack or point air emissions       NA []       20       C         5.3       Discharges to receiving streams or water bodies (Enter one name per box)       NA []       20       C         5.3.1       Nocquebay Lake 118       04030105001160       200       E1       1%	4.1		[ 16 ] (Enter t	wo-digit code from instruction packag	;e.)			
A. Total Release (pounds/year*) (Enter range code or estimate**)     B. Basis of Estimate (Enter code)     C. Percent from Stormwater       5.1     Fugitive or non-point air emissions     NA []     33     E2       5.2     Stack or point air emissions     NA []     20     C       5.3     Discharges to receiving streams or water bodies (Enter one name per box)     NA []	SECTIO	IN 5.QUANTITY OF THE TOXIC CHEMIC.	AL ENTERING EACH ENV	TRONMENTAL MEDIUM ON-SITE	5			
5.1         Fugitive or non-point air emissions         NA []         33         E2           5.2         Stack or point air emissions         NA []         20         C           5.3         Discharges to receiving streams or water bodies (Enter one name per box)         NA []         C           5.3         Stream or Water Body Name         Reach Code (optional)         T         100           5.3.1         Nocquebay Lake 118         04030105001160         200         E1         1%				A. Total Release (pounds/year*) (Enter range code or estimate**)	B. Basis of Estimate (Enter code)	C. Percent from Stormwater		
5.2     Stack or point air emissions     NA []     20     C       5.3     Discharges to receiving streams or water bodies (Enter one name per box)     NA []	5.1	Fugitive or non-point air emissions	NA []	33	E2			
5.3     Discharges to receiving streams or water bodies (Enter one name per box)     NA []       Stream or Water Body Name     Reach Code (optional)       53.1     Nocquebay Lake 118     04030105001160     200     E1     1%	5.2	Stack or point air emissions	NA []	20	с			
Stream or Water Body Name         Reach Code (optional)           53.1         Nocquebay Lake 118         04030105001160         200         E1         1%	5.3	Discharges to receiving streams or water bodies (Enter one name per box)	NA [ ]					
53.1 Nocquebay Lake 118 04030105001160 200 E1 1%		Stream or Water Body Name	Reach Code (optional)					
	5.3.1	Nocquebay Lake 118	04030105001160	200	El	1%		

\*\*Range Codes: A=1-10 pounds; B=11-499 pounds; C=500-999 pounds.

• "StreamReachCode" corresponds to each water body as shown in the highlighted section.



#### Figure 2-3: ProductionRatio and SourceReductionEfficiencyCode

	TRI Facility ID Number					ber	
	EPA FORM R PART II. CHEMICAL - SPECIFIC INFORMATION (CONTINUED)			2003WTRFCL893DU			
				Toxic Chemical, Category, or Generic Name			
				Dioxin and Dioxin-like Compounds			
SECTIO	N 7B. ON-SITE ENERGY RECOVERY PROCESSES						
stream c	Check here if no on-site energy recovery is applied to any wast ontaining the toxic chemical or chemical category.	2					
Energy I	Recovery Methods [Enter 3-character code(s)]						
1.	U01 2.U02 3.U03						
SECTIO	N 7C. ON-SITE RECYCLING PROCESSES						
[] NA - stream c	Check here if no on-site recycling is applied to any waste ontaining the toxic chemical or chemical category.						
Recyclin	ng Methods [Enter 3-character code(s)]						
1.	H39						
SECTIO	ON 8. SOURCE REDUCTION AND WASTE MANAGEMENT	r					
			Column A Drior Vest	Column B Current Reporting	Column C Following	Column D Second Following	
		(p	ounds/year*)	Year (pounds/year*)	Year (pounds/year*	) (pounds/year*)	
	8.1 - 8.7 Production-Related Waste Managed						
8.1a	Total on-site disposal to Class I Underground Injection Wells, RCRA		10	81	10	10	
	Subtitle C landfills, and other landfills		0.0				
8.1b	releases		10	314	10	10	
8.1c	Total off-site disposal to Class I Underground Injection Wells, RCRA		10	2.34	10	10	
	Subtitle C landfills, and other landfills						
8.1d	Total other off-site disposal or other releases		10	2.34	10	10	
8.2	Quantity used for energy recovery on-site		10	110	10	10	
8.3	Quantity used for energy recovery off-site		10	NA	10	10	
8.4	Quantity recycled on-site		10	220	10	10	
8.5	Quantity recycled off-site		10	22.5	10	10	
8.6	Quantity treated on-site		10	330	10	10	
8.7	Quantity treated off-site		10	18.72	10	10	
8.8	Non-production-related waste managed**			0			
8.9	[X] Production ratio or [] Activity ratio (select one and enter value to right) 1.34						
8.10         Did your facility engage in any newly implemented source reduction activities for this chemical during the reporting year?         NA           11 fso, complete the following section; if not, check NA.         NA			NA []				
	Source Reduction Activities (Enter code(s))	Methods	Methods to Identify Activity (Enter code(s)) (optional) Estimated annual reduction (Enter code(s))				
8.10. 1	W32	T03				R2	

• "ProductionRatio" correlates to item 8.9.

• "SourceReductionEfficiencyCode" correlates to item R2 under the 8.10.1 section.



#### Figure 2-4: TRICommentType and TRICommentText

TRI Facility ID Number				
2203WCGXXX123AK				
Toxic Chemical, Category, or Gen	eric Name			
Dioxin and Dioxin-like Com	pounds			
Section 8.11: If you wish to subm	it additional optional information on source reduction, recycling, or pollution control activities, provide it here.			
Topic	Comment			
Source Reduction	New activities for source reduction			
Waste Treatment	Treatment methods 101			
Section 9.1: If you wish to submit any miscellaneous, additional, or optional information regarding your Form R submission, provide it here.				
Topic	Comment			
One-time or Intermittent Events Impacting Reported Quantities	reduced sulfur usage by 0.5%			
Other Miscellaneous Information:	These new comment topics are awesome!			
Production or Activity Variable	Production Ratio increased from prior year.			
DQA: No Report for Prior Reporting Year	Started Dioxin production from RY 2014			
BIA Code Change	TESTNG THISdasdas			

- "TRICommentType" corresponds to 8.11 and the highlighted items, and as examples the value "SR" converts to "Source Reduction," the value "TRT" converts to "Waste Treatment," and in section 9.1 "ONET" converts to "One-time or Intermittent Events Impacting Reported Quantities." See <u>Appendix A</u> for valid values.
- "TRICommentText" corresponds to information under the "Comment" section (the second column, "Comment" in the figure above) in either 8.11 or 9.1.

#### New Fields that do not require Data Input

The following seven (7) fields in v6.0 of the XML do not require data input into the XML file:

- ParentCompanyNameNotStandard
- MiscellaneousInformationCategory
- OptionalInformationCategory
- TRICommentSequence
- TRICommentSection
- TRICommentDescription
- TRICommentP2Classification

The tags for these seven fields can be included without any values, if applicable.

# 3 Appendix A: Valid Values

The following values in Table 3-1 are valid values for some of the data fields in Table 2-1, section 2.1.

Data Field Name	Valid Value	Definition
BraductionPatiaTura	"ACTIVITY"	Calculate the activity index of the chemical; activity index is a ratio of current year to prior year values, when a variable other than production is the primary influence
FIGULCIONNALIOTYPE	"PRODUCTION"	Calculate the production ratio of the chemical; production ratio is a ratio of reporting year production to prior year production
	R1	100% (elimination of the chemical)
	R2	Greater than or equal to 50%, but less than 100% (elimination of the chemical)
	R3	Greater than or equal to 25%, but less than 50% (elimination of the chemical)
SourceReductionEfficiencyCode	R4	Greater than or equal 15%, but less than to 25% (elimination of the chemical)
	R5	Greater than or equal 5%, but less than to 15% (elimination of the chemical)
	R6	Greater than 0%, but less than 5% (elimination of the chemical)
	SR	Source Reduction
	RECY	Recycling
	EGY	Energy Recovery
	TRT	Waste Treatment
	GEM	General Environmental Management
	METH	Methods for Identifying Pollution Prevention Opportunities
	ORIG	Ways P2 Was Incorporated in Original Process Design
TRICommentType	8.11	Other Optional Pollution Prevention Information
The online it ype	B1	P2 Barriers: Insufficient capital to install new source reduction equipment or implement new source reduction activities/initiatives
	B2	P2 Barriers: Require technical information on pollution prevention techniques applicable to specific production processes
	B3	P2 Barriers: Concern that product quality may decline as a result of source reduction
	B4	P2 Barriers: Source reduction activities were implemented but were unsuccessful
	B5	P2 Barriers: Specific regulatory/permit

Table 3-1: Valid Values



Data Field Name	Valid Value	Definition	
		burdens	
	B6	P2 Barriers: Pollution prevention previously implemented- additional reduction does not appear technically or economically feasible	
	B7	P2 Barriers: No known substitutes or alternative technologies	
	SRNA	P2 Barriers: Other	
	W[XX]	W[XX], where XX equals a W-code	
	T[XX]	T[XX], where XX equals a T-code	
	PROD	Changes in Production Levels	
	CALC	Calculation Methods, e.g., Emission Factors	
	ONET	One-time or Intermittent Events Impacting Reported Quantities	
	ISSU	Issues or Difficulties Encountered in Submitting Form	
TPICommontTypo	CONT	Additional Contact Info	
T Riconnient Type	REG	Other Regulatory Requirements Related to This Chemical	
	NOFAC	No TRI Reports Expected for this TRIFID Next Year	
	NOCHEM	No TRI Report Expected for this Chemical Next Year	
	PRAI	Production or Activity Variable	



## 4 Appendix B: XML Example Documents

The following is the example XML document from the Exchange Network.



The following is the example XML document used in the section 2-2 above, that includes a Dioxin and a Schedule 1 form:



RY\_2014\_Dioxin\_and\_Dioxin\_Like\_Compounds\_Sample.xml