FEM2021 Data Documentation

October 25, 2021

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1 Introduction

This document outlines the FEM2021 Data Documentation content for data users. Survey respondents may also find it helpful, however https://www.howtohigg.org will provide more comprehensive support for respondents.

2 Sections

2.1 Site

Table 1: Site

	REF ID	Question Text	Conditional	Answer Type	Option list	Foundation
1	sitecountry	Country or Region		dropdown	Country	TRUE
2	sipindustrysector	Industry Sector		checkbox	IndustrySector	TRUE
3	sipindustrysectorother	If Other, please specify	sipindustrysector, Other	text		TRUE
4	sipfacilityapparelpc	Apparel Product Categories	sipindustrysector, Apparel	checkbox	ApparelPC	TRUE
5	sipfacilityfootwearpc	Footwear Product Categories	sipindustrysector, Footwear	checkbox	FootwearPC	TRUE
6	sipfacilityhometexpc	Home Textiles Product Categories	sipindustrysector, Home Textiles	checkbox	HomeTexPC	TRUE
7	sipfacilityaccessorypc	Accessories Product Categories	sipindustrysector, Accessories	checkbox	AccessoriesPC	TRUE
8	sipfacilityhomefurnishingpc	Home Furnishings Product Categories	sipindustrysector, Home Furnishings	checkbox	HomeFurnishingsPC	TRUE
9	sipfacilitytoyspc	Toys Product Categories	sipindustrysector, Toys	checkbox	ToysPC	TRUE
10	sipfacilityhardgoodspc	Hard Goods Product Categories	sipindustrysector, Hard Goods	checkbox	HardGoodsPC	TRUE
11	sipfacilitytype	Facility Type	sipindustrysector, Apparel; Footwear; Home Textiles; Accessories; Home Furnishings; Hard Goods; Other	checkbox	FacilityType	TRUE
12	sipelectronicsfacilitytype	Electronics Facility Type	sipindustrysector, Electronics	checkbox	ElectronicsFacility	TRUE
13	siptoysfacilitytype	Toy Facility Type	sipindustrysector, Toys	checkbox	ToyFacility	TRUE
14	sipfacilityprocessessew	Final Product Assembly	sipfacilitytype, Final Product Assembly	checkbox	ProcessesSewing	TRUE
15	sipfacilityprocessesprintdye	Printing, Product Dyeing and Laundering	sipfacilitytype, Printing	checkbox	ProcessesPrintDye	TRUE
16	sipfacilityprocessesmaterials	Material Production (textile, rubber, foam, insulation, pliable materials)	sipfacilitytype, Material Production	checkbox	ProcessesMaterials	TRUE
17	sipfacilityprocessestrim	Hard Product Component & Trim Production (Plastic, Metal, Wood)	sipfacilitytype, Hard Product Component	checkbox	ProcessesTrim	TRUE
18	sipfacilityprocesseschem	Chemical & Raw Material Production	sipfacilitytype, Chemical & Raw Material Production	checkbox	ProcessesChem	TRUE
19	sipfacilityprocessespkg	Packaging Production	sipfacilitytype, Packaging Production	checkbox	ProcessesPkg	TRUE
20	sipelectronicsprodassemb	Product Assembly, sub-assemblies and final assembly	sipelectronicsfacilitytype, Product Assembly	checkbox	ElectronicsAssemb	TRUE
21	sipelectronicscomponents	Components, electronic and electrical	sipelectronicsfacilitytype, Components	checkbox	ElectronicsComponents	TRUE
22	sipelectronicsrawmat	Raw Material Manufacturer	sipelectronicsfacilitytype, Raw Material Manufacturer	checkbox	ElectronicsRawMat	TRUE
23	sipelectronicspkg	Packaging manufacturer	sipelectronicsfacilitytype, Packaging manufacturer	checkbox	ProcessesPkg	TRUE
24	sipelectronicsother	Other- please specify	sipelectronicsfacilitytype, Other	text		TRUE
25	siptoysprodassemb	Product Assembly	siptoysfacilitytype, Product Assembly	checkbox	ToysProdAssemb	TRUE
26	siptoyscomponent	Component and parts manufacturing, including molding	siptoysfacilitytype, Component and parts manufacturing	checkbox	ToysPrintDye	TRUE
27	siptoysrawmat	Raw Material Manufacturing	siptoysfacilitytype, Raw Material Manufacturing	checkbox	ToysRawMat	TRUE
28	siptoysother	Other	siptoysfacilitytype, Other	text		TRUE
29	sipmaterialtype	Materials		html		TRUE
30	sipmaterialbarriers	Barriers		checkbox	MaterialBarriers	TRUE

Table 1: Site *(continued)*

	REF ID	Question Text	Conditional	Answer Type	Option list	Foundation
31	sipmaterialfoams	Foams		checkbox	MaterialFoams	TRUE
32	sipmaterialinsulation	Insulation Materials		checkbox	MaterialInsulation	TRUE
33	sipmaterialleather	Leather		checkbox	MaterialLeather	TRUE
34	sipmaterialmetals	Metals		checkbox	MaterialMetals	TRUE
35	sipmaterialplastics	Plastics		checkbox	MaterialPlastics	TRUE
36	sipmaterialrubbers	Rubbers		checkbox	MaterialRubbers	TRUE
37	sipmaterialsynthleather	Synthetic Leathers		checkbox	MaterialSynthLeather	TRUE
38	sipmaterialtextiles	Textiles		checkbox	MaterialTextiles	TRUE
39	sipmaterialwoodbased	Wood-Based		checkbox	MaterialWood	TRUE
40	sipoperatingdays	How many days did your facility operate in this reporting year?		number		TRUE
41	siptotalnumemployees	Total Number of Employees:		html		TRUE
42	sipfulltimeemployees	Specify the number of full-time employees at your facility		number		TRUE
43	siptempemployees	Specify the number of temporary employees at your facility		number		TRUE
44	sipfacilityannualprodvol	What was your facility's annual volume?		html		TRUE
45	sipfacilityannualprodvolquant	Quantity		number		TRUE
46	sipfacilityannualprodvolunits	Units		dropdown	FacilityUnit	TRUE
47	sipfreshwaterpretreatused	Does your facility have onsite water treatment (i.e. Pre-treatment and/or Wastewater treatment)?		dropdown	YesNoNA	TRUE
48	sipfreshwaterpretreattypes	If yes, please select the type of treatment	sipfreshwaterpretreatused, Yes	html		TRUE
49	sipfreshwaterpretreat	Pre-Treatment	sipfreshwaterpretreatused, Yes	checkbox	Pretreat	TRUE
50	sipfreshwaterprimarytreat	Primary Treatment	sipfreshwaterpretreatused, Yes	checkbox	PrimaryTreat	TRUE
51	sipfreshwatersecondtreat	Secondary Treatment	sipfreshwaterpretreatused, Yes	checkbox	SecondTreat	TRUE
52	sipfreshwatertertiarytreat	Tertiary Treatment	sipfreshwaterpretreatused, Yes	checkbox	TertiaryTreat	TRUE
53	sipfreshwateradvtreat	Advanced treatment / Zero Liquid Discharge (ZLD) / salt recovery	sipfreshwaterpretreatused, Yes	checkbox	AdvancedTreat	TRUE
54	sipfreshwatersludgetreat	Sludge Treatment	sipfreshwaterpretreatused, Yes	checkbox	SludgeTreat	TRUE
55	sipfreshwaterprocessfile	Please upload your facility's water treatment process flow and hydraulic diagrams, if you have one.	sipfreshwaterpretreatused, Yes	file		TRUE
56	sipindustryprograms	Has your facility participated in industry programs related to sustainability or have sustainability related certificates valid during the reporting year?		dropdown	YesNo	TRUE
57	sipindustryprogramsselect	Select industry programs (please select all that apply):	sipindustryprograms, Yes	checkbox	IndustryProgram	TRUE
58	sipindustryprogramtable	Industry Program	sipindustryprograms, Yes	table		TRUE
59	sipindustryprogramstime	How long have you been in this program?	sipindustryprograms, Yes	text		TRUE
60	sipindustryprogramsstart	Enrollment/Validity Period: Start Date (Month/Year)	sipindustryprograms, Yes	date		TRUE
61	sipindustryprogramsend	Enrollment/Validity Period: End Date (Month/Year)	sipindustryprograms, Yes	date		TRUE
62	sipindustryprogramsrating	What rating did you received?	sipindustryprograms, Yes	text		TRUE
63	sipindustryprogramsstatus	If available, please enter a direct link you can provide to view status of this programs or certificate.	sipindustryprograms, Yes	text		TRUE

Table 1: Site *(continued)*

	REF ID	Question Text	Conditional	Answer Type	Option list	Foundation
64	sipindustryprogramsfile	If a direct link is not available, please upload a copy of the program enrollment status or certificate.	sipindustryprograms, Yes	file		TRUE
65	sipindustryprogramsnotes	Provide any additional notes.	sipindustryprograms, Yes	text		TRUE
66	sipindustryprogramsother	If Other, please list the name of industry programs and/or certificate related to sustainability that you are or had participated	sipindustryprogramsselect, 39 Other	text		TRUE
67	sippermitsinfo	Permits		html		TRUE
68	sipvalidoperatinglicense	Does your facility have a valid operating license, if required by law?		dropdown	YesNoUnknown	TRUE
69	sipvalidoperatinglicensefile	Please upload a copy of the operating license, if applicable.	sipvalidoperatinglicense, Yes	file		TRUE
70	sipvalidoperatinglicenseno	A valid operating license is required to use the Facilities Environmental Module - you will be able to proceed but will score ZERO points for this assessment.	sipvalidoperatinglicense, No	html		TRUE
71	sipgovenvviolation2018	Did your facility receive any government-issued environmental violation records for this reporting year?		dropdown	YesNoUnknown	TRUE
72	sipgovenvviolation2018desc	If yes, please describe the violation and your site's action plan to improve:	sipgovenvviolation2018, Yes	text		TRUE
73	sipiperecords	Does your facility currently have any records in the Institute of Public & Environmental Affairs (IPE) database?	sitecountry, China	dropdown	YesNoUnknown	TRUE
74	sipiperecordsfeedback	If yes, has your facility supplied enterprise feedback to the database and/or taken steps to remove the record(s) from the database?	sipiperecords, Yes	dropdown	YesNoUnknown	TRUE
75	sippermitsreq	Please complete the following questions to provide details on your facility's environmental permits requirements and compliance status:		html		TRUE
76	sippermitstable	Facility Environmental Permits		table		TRUE
77	sippermitsreq	Is a permit required?		dropdown	YesNoUnknown	TRUE
78	sippermitsreqregagenc	Name of the regulatory agency issuing the permit or agreement	row.sippermitsreq, Yes	text		TRUE
79	sippermitsreqeffectdate	Effective Date (MM/YYYY)	row.sippermitsreq, Yes	date		TRUE
80	sippermitsreqexpirdateyn	Is there an expiration date?	row.sippermitsreq, Yes	dropdown	YesNo	TRUE
81	sippermitsreqexpirdate	If yes, what is the expiration date? (MM/YYYY)	row.sippermitsreq, Yes	date		TRUE
82	sippermitsreqcompliance	What is your Compliance Status for this permit?	row.sippermitsreq, Yes	dropdown	ComplianceStatus	TRUE
83	sippermitsreqfile	Upload a copy of your permit.	row.sippermitsreqcompliance, In compliance	file		TRUE
84	sippermitsreqpermitnotes	Provide any additional notes:	row.sippermitsreq, Yes	text		TRUE

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2.2 Ems

Table 2: EMS

	REF ID	Question Text	Conditional	Answer Type	Option list	Foundation
1	emslevel1	LEVEL 1		html		TRUE
2	emsmgmt	1. Are one or more employees at your facility responsible for coordinating your facility's environmental management activities?		dropdown	YesNoUnknown	TRUE
3	emsmgmttable	Please list all employees	emsmgmt, Yes	table		TRUE
4	emsmgmtname	Name:	emsmgmt, Yes	text		TRUE
5	emsmgmttitle	Job Title:	emsmgmt, Yes	text		TRUE
6	emsmgmttime	Time spent on environmental management:	emsmgmt, Yes	dropdown	TimeSpent	TRUE
7	emsmgmttopic	Select environmental topics (please select all that apply):	emsmgmt, Yes	checkbox	EnvironmentalTopic	TRUE
8	emsmgmtdescription	Describe the roles and responsibilities:	emsmgmt, Yes	text		TRUE
9	emsstrategy	2. Does your facility have a company environmental management strategy that guides long-term decision-making on environmental management?		dropdown	YesNoUnknown	TRUE
10	emsstrategytopics	Select all topics covered by this strategy:	emsstrategy, Yes	checkbox	EnvironmentalTopic	TRUE
11	emsstrategyfile	Please upload environmental management strategy, if available.	emsstrategy, Yes	file		TRUE
12	emsstrategydescribe	If you cannot upload the documents, please describe here:	emsstrategy, Yes	text		TRUE
13	emsopsimpact	3. Has your facility identified the significant environmental impacts associated with current operations within the factory premises?		dropdown	YesNoUnknown	TRUE
14	emsopsimpactfile	Please upload documentation, if available.	emsopsimpact, Yes	file		TRUE
15	emsopsimpactdescribe	If you cannot upload the documents, please describe here:	emsopsimpact, Yes	text		TRUE
16	emspermitstatus	4. Does your facility have a program or system in place to review and monitor environmental permit status and renewal (where appropriate) and ensure compliance?		dropdown	YesNoUnknown	TRUE
17	emspermitstatusfile	Please upload documentation, if available.	emspermitstatus, Yes	file		TRUE
18	emspermitstatusdescribe	If you cannot upload the documents, please describe here:	emspermitstatus, Yes	text		TRUE
19	emsregulationsystem	5. Does your facility maintain a documented system to identify, monitor and periodically verify all laws, regulations, standards, codes and other legislative and regulatory requirements for your significant environmental impacts?		dropdown	YesNoUnknown	TRUE
20	emsregulationsystemtopics	Select all topics covered by the system:	emsregulationsystem, Yes	checkbox	EnvironmentalTopic	TRUE

Table 2: EMS *(continued)*

	REF ID	Question Text	Conditional	Answer Type	Option list	Foundation
21	emsregulationsystemplan	Are the findings used to set an improvement plan that is regularly reviewed?	emsregulationsystem, Yes	dropdown	YesNoUnknown	TRUE
22	emsregulationsystemplanfile	Please upload documentation, if available.	emsregulationsystem, Yes	file		TRUE
23	emsregulationsystemplandescribe	If you cannot upload the documents, please describe here:	emsregulationsystem, Yes	text		TRUE
24	emsreportretaliation	Does your facility have documented procedures that enable workers to report environmental emergencies/violations?		dropdown	YesNo	TRUE
25	emsreportretaliationupload	Please upload documentation	emsreportretaliation, Yes	file		TRUE
26	emsequipmaintain	6. Does your facility have a process and schedule to maintain all equipment?		dropdown	YesNoUnknown	TRUE
27	emsequipmaintainfile	Please upload documentation, if available.	emsequipmaintain, Yes	file		TRUE
28	emsequipmaintaindescribe	If you cannot upload the documents, please describe here:	emsequipmaintain, Yes	text		TRUE
29	emslevel2	LEVEL 2		html		
30	emsstrategyreview	7. Does your facility review the environmental management strategy with your facility's managers each calendar year?		dropdown	YesNoUnknown	
31	emsstrategyreviewfile	Please upload documentation, if available.	emsstrategyreview, Yes	file		
32	emsstrategyreviewdescribe	If you cannot upload the documents, please describe here:	emsstrategyreview, Yes	text		
33	emsmgmtcompetence	8. Do employees at your facility responsible for environmental management have the technical competence required to do their job?		dropdown	YPNU	
34	emsmgmtcompetencefile	Please upload documentation, if available.	emsmgmtcompetence, Yes; Partial Yes	file		
35	emsmgmtcompetencedescribe	If you cannot upload the documents, please describe here:	emsmgmtcompetence, Yes; Partial Yes	text		
36	emslevel3	LEVEL 3		html		
37	emsstrategyawareness	9. Does your facility promote awareness of the environmental strategy to employees?		dropdown	YPNU	
38	emsstrategyawarenessfile	Please upload documentation, if available.	emsstrategyawareness, Yes; Partial Yes	file		
39	emsstrategyawarenessdescribe	If you cannot upload the documents, please describe here:	emsstrategyawareness, Yes; Partial Yes	text		
40	emshiggindexsubcontract	10. Does your facility monitor, evaluate, and/or engage with your subcontractors on their environmental performance using the Higg Index?		dropdown	YPNUNA	
41	emshiggindexfile	Please upload documentation, if available.	emshiggindexsubcontract, Yes; Partial Yes	file		
42	emshiggindexdescribe	If you cannot upload the documents, please describe here:	emshiggindexsubcontract, Yes; Partial Yes	text		

Table 2: EMS *(continued)*

	REF ID	Question Text	Conditional	Answer Type	Option list	Foundation
43	emsengagelocal	11. Does your facility engage in environmental improvement in your local context?		dropdown	YesNo	
44	emsengagehtml	Select the ways in which your facility engages in environmental improvement:	emsengagelocal, Yes	html		
45	emsengageconservation	We support (financially or otherwise) conservation or improvement projects for environmental issues (e.g. preserving wetlands)	emsengagelocal, Yes	dropdown	YesNo	
46	emsengageconservationtopic	Select the relevant topic:	emsengageconservation, Yes	checkbox	EnvironmentalTopic	
47	emsengageconservationdescribe	Describe the work you are doing:	emsengageconservation, Yes	text		
48	emsengagesimilarbiz	We work with other similar businesses to share best practice for environmental management	emsengagelocal, Yes	dropdown	YesNo	
49	emsengagesimilarbiztopic	Select the relevant topic:	emsengagesimilarbiz, Yes	checkbox	EnvironmentalTopic	
50	emsengagesimilarbizdescribe	Describe the work you are doing:	emsengagesimilarbiz, Yes	text		
51	emsengagelocalcomm	We engage in dialogue with local communities to understand their views on how we as a company should manage our environmental impacts	emsengagelocal, Yes	dropdown	YesNo	
52	emsengagelocalcommtopic	Select the relevant topic:	emsengagelocalcomm, Yes	checkbox	EnvironmentalTopic	
53	emsengagelocalcommdescribe	Describe the work you are doing:	emsengagelocalcomm, Yes	text		
54	emsengagelocalstake	We work within a group of other local stakeholders including government and communities, to understand and address local environmental issues together	emsengagelocal, Yes	dropdown	YesNo	
55	emsengagelocalstaketopic	Select the relevant topic:	emsengagelocalstake, Yes	checkbox	EnvironmentalTopic	
56	emsengagelocalstakedescribe	Describe the work you are doing:	emsengagelocalstake, Yes	text		
57	emsengagelocalgovt	We engage directly with local or national governance bodies on environmental regulation or management issues	emsengagelocal, Yes	dropdown	YesNo	
58	emsengagelocalgovttopic	Select the relevant topic:	emsengagelocalgovt, Yes	checkbox	EnvironmentalTopic	
59	emsengagelocalgovtdescribe	Describe the work you are doing:	emsengagelocalgovt, Yes	text		
60	emsengagelocalenvreg	We work together in a group with other local stakeholders, to engage with local or national governance bodies on environmental regulation or management issues	emsengagelocal, Yes	dropdown	YesNo	
61	emsengagelocalenvregtopic	Select the relevant topic:	emsengagelocalenvreg, Yes	checkbox	EnvironmentalTopic	
62	emsengagelocalenvregdescribe	Describe the work you are doing:	emsengagelocalenvreg, Yes	text		
63	emsengageother	Other	emsengagelocal, Yes	dropdown	YesNo	
64	emsengageothertopic	Select the relevant topic:	emsengageother, Yes	checkbox	EnvironmentalTopic	
65	emsengageotherdescribe	Describe the work you are doing:	emsengageother, Yes	text		
66	emshiggindexupstream	12. Does your facility monitor, evaluate, and/or engage with your upstream suppliers using the Higg Index?		dropdown	YPNU	
67	emshiggindexupstreamtype	Which types of suppliers?	emshiggindexupstream, Yes; Partial Yes	checkbox	Suppliers	
68	emshiggindexupstreamother	If other, please describe:	emshiggindexupstream, Yes; Partial Yes	text		

Table 2: EMS *(continued)*

	REF ID	Question Text	Conditional	Answer Type	Option list	Foundation
69	emshiggindexupstreamdescribe	For each, describe the engagement activities and the resulting environmental benefits:	emshiggindexupstream, Yes; Partial Yes	text		
70	emshiggindexupstreamfile	Please upload documentation, if available.	emshiggindexupstream, Yes; Partial Yes	file		

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2.3 Energy

Table 3: Energy

	REF ID	Question Text	Conditional	Answer Type	Option list	Foundation
1	enlevel1	LEVEL 1		html		TRUE
2	ensourcestrack	1. Select all sources of energy for your facility:		html		TRUE
3	ensourcecoal	Coal- commerical mix		dropdown	YesNo	TRUE
4	ensourcebiomassgen	Biomass- general		dropdown	YesNo	TRUE
5	ensourcebiomasswood	Biomass- wood		dropdown	YesNo	TRUE
6	ensourcenaturalgas	Natural Gas		dropdown	YesNo	TRUE
7	ensourcelng	LNG- liquid natural gas		dropdown	YesNo	TRUE
8	ensourcediesel	Diesel		dropdown	YesNo	TRUE
9	ensourcefueloil	Fuel oil- blended average		dropdown	YesNo	TRUE
10	ensourcelpg	LPG- liquid petroleum gas		dropdown	YesNo	TRUE
11	ensourcepetrol	Petrol		dropdown	YesNo	TRUE
12	ensourcepropane	Propane		dropdown	YesNo	TRUE
13	ensourcebiodiesel	Biodiesel		dropdown	YesNo	TRUE
14	ensourcesolarphoto	Solar Photovoltaic		dropdown	YesNo	TRUE
15	ensourcewind	Wind		dropdown	YesNo	TRUE
16	ensourcegeotherm	Geothermal		dropdown	YesNo	TRUE
17	ensourcehydro	Hydro		dropdown	YesNo	TRUE
18	ensourceelectricpurch	Electricity		dropdown	YesNo	TRUE
19	ensourcemicrohydro	Micro-Hydro		dropdown	YesNo	TRUE
20	ensourcesolarthermal	Solar Thermal		dropdown	YesNo	TRUE
21	ensourcesteampurch	Steam (purchased)		dropdown	YesNo	TRUE
22	ensourcechilledwater	Chilled water		dropdown	YesNo	TRUE
23	ensourcepurchrenew	Purchased Renewables		dropdown	YesNo	TRUE
24	ensourcetrackopt	Does your facility track any of its energy use?		dropdown	YesNoUnknown	TRUE
25	ensourcetracktable	Energy Sources	ensourcetrackopt, Yes	table		
26	ensourcetrack	Does your facility track its energy use from this source?		dropdown	YesNoUnknown	
27	ensourcequant	What quantity of energy was used by this source during this reporting year?	row.ensourcetrack, Yes	number		
28	ensourceunit	Unit of Measure	row.ensourcetrack, Yes	dropdown	SolidEnergyUnit	
29	ensourcemethod	Which method was used to track this energy source?	row.ensourcetrack, Yes	dropdown	Method	
30	ensourcefreq	What was the frequency of measurement?	row.ensourcetrack, Yes	dropdown	Frequency	
31	ensourcecomments	Provide any additional comments	row.ensourcetrack, Yes	text		
32	enlevel2	LEVEL 2		html		
33	enbaselinesource	2. Has your facility set baselines for energy use? If yes, select all sources of energy for which your facility has set a baseline.		dropdown	YesNo	
34	enbaselinesourcetable	Energy Baselines	enbaselinesource, Yes	table		
35	enbaselinesource	Have you set a baseline for this source?		dropdown	YesNo	
36	enbaselinesourcetype	Is the baseline absolute or normalized?	row.enbaselinesource, Yes	dropdown	NormAbs	

Table 3: Energy *(continued)*

	REF ID	Question Text	Conditional	Answer Type	Option list	Foundation
37	enbaselinesourcequant	What is the baseline quantity?	row.enbaselinesource, Yes	number		
38	enbaselinesourceunit	Unit of Measure	row.enbaselinesource, Yes	dropdown	SolidEnergyUnit	
39	enbaselinesourceyear	Enter the baseline year	row.enbaselinesource, Yes	dropdown	BaselineYear	
40	enbaselinesourcemethod	How was your baseline calculated?	row.enbaselinesource, Yes	text		
41	enbaselinesourceverified	Was the baseline verified?	row.enbaselinesource, Yes	dropdown	YesNo	
42	enhighestuse	3. Does your facility know what facility processes or operations use the most energy?		dropdown	YesNo	
43	enhighestusemethod	Upload the methodology for identifying the highest energy use factors.	enhighestuse, Yes	file		
44	enhighestusefile	If you do not have a document to upload, describe your methodology here:	enhighestuse, Yes	text		
45	enhighestusefactors	What are the highest energy use factors at your facility?	enhighestuse, Yes	text		
46	entargetssource	4. Has your facility set targets for improving energy use? If yes, select all sources of energy for which your facility has set an energy reduction target.		dropdown	YesNo	
47	entargetssourcetable	Energy Targets	entargetssource, Yes	table		
48	entargetssource	Have you set a target for this source?		dropdown	YesNoUnknown	
49	entargetssourcecamt	What is your target for change in energy use from this source?	row.entargetssource, Yes	number		
50	entargetssourceyear	Enter the target year:	row.entargetssource, Yes	dropdown	TargetYear	
51	entargetssourcetype	Is this a normalized or absolute target?	row.entargetssource, Yes	dropdown	NormAbs	
52	entargetssourcemeasures	Describe the measures planned to achieve this target:	row.entargetssource, Yes	text		
53	enGHGtarget	Has your facility set targets for reducing your facility overall GHG emissions?		dropdown	YesNo	
54	enghgssourcetable	GHG Targets	enGHGtarget, Yes	table		
55	enghgssourcebaseline	Enter the base year		dropdown	BaselineYear	
56	enghgssourcecamt	What is your target for reducing your overall facility GHG emissions?		number		
57	enghgssourceunit	Unit of Measure		dropdown	EmissionsUnit	
58	enghgssourceyear	Enter the target year:		dropdown	TargetYear	
59	enghgssourcetype	Is this a normalized or absolute target?		dropdown	NormAbs	
60	enghgssourcemeasures	Describe the measures planned to achieve this target:		text		
61	enimproveplan	5. Does your facility have an implementation plan to improve energy use and/or GHG Emissions?		dropdown	YPNU	
62	enimproveplanfile	Upload a copy of the plan.	enimproveplan, Yes; Partial Yes	file		
63	enimprovesource	6. Has your facility improved energy consumption compared with its baseline in the last calendar year? If yes, select all sources of energy that have been improved.		dropdown	YesNo	
64	enimprovesourcetable	Energy Improvements	enimprovesource, Yes	table		
65	enimprovesource	Has your facility improved energy consumption for this source compared with its baseline?		dropdown	YesNo	

Table 3: Energy *(continued)*

	REF ID	Question Text	Conditional	Answer Type	Option list	Foundation
66	enimprovesourcebaselineyear	Select a baseline year:	row.enimprovesource, Yes	dropdown	BaselineYear	
67	enimprovesourcequant	Quantity	row.enimprovesource, Yes	number		
68	enimprovesourceunit	Unit of Measure	row.enimprovesource, Yes	dropdown	SolidEnergyUnit	
69	enimprovesourcepercent	Percent Change	row.enimprovesource, Yes	number		
70	enimprovesourcetype	Is this normalized or absolute?	row.enimprovesource, Yes	dropdown	NormAbs	
71	enimprovesourcestrategies	Describe the strategies used to achieve this improvement:	row.enimprovesource, Yes	text		
72	enlevel3	LEVEL 3		html		
73	enscope3ghg	7. Were your facility's annual Scope 3 greenhouse gas (GHG) emissions calculated during this reporting year?		dropdown	YesNoUnknown	
74	enscope3ghgamt	Report your facility's annual Scope 3 GHG emissions in co2e here:	enscope3ghg, Yes	number		
75	enscope3ghgdescribe	Describe your Scope 3 calculation here:	enscope3ghg, Yes	text		
76	enscope3sbti	8. Has your facility set a Science-Based Target according to the SBTi?		dropdown	YesNo	
77	enscope3sbtino	Is your facility preparing to set a Science-Based Target according to the SBTi?	enscope3sbti, No	dropdown	YesNo	

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2.4 Water

Table 4: Water

	REF ID	Question Text	Conditional	Answer Type	Option list	Foundation
1	watapplicability	Applicability		html		TRUE
2	watopdays	1. How many days did your facility operate during this reporting year?		number		TRUE
3	watrisk	Use one of the following tools to assess your facility's water risk:		html		TRUE
4	watwritool	WRI Aqueduct Tool		html		TRUE
5	watwwftool	WWF Water Risk Filter		html		TRUE
6	watrisktool	Select the tool used to assess your facility's water risk		dropdown	WaterRiskTool	TRUE
7	watriskrating	2. Is your facility location rated as high/very high for overall water risk using this tool?	watopdays, >0	dropdown	YesNo	TRUE
8	watlevel1	LEVEL 1		html		TRUE
9	watsources	1. Select all water sources used by your facility		html		TRUE
10	watsourcesurface	Fresh Surface Water		dropdown	YesNoUnknown	TRUE
11	watsourcerain	Rainwater		dropdown	YesNoUnknown	TRUE
12	watsourceground	Groundwater		dropdown	YesNoUnknown	TRUE
13	watsourceprod	Produced/Process Water		dropdown	YesNoUnknown	TRUE
14	watsourcemunicipal	Municipal Water		dropdown	YesNoUnknown	TRUE
15	watsourcewastewater	Wastewater from another organization		dropdown	YesNoUnknown	TRUE
16	watsourcesea	Brackish surface water/seawater		dropdown	YesNoUnknown	TRUE
17	watsourcecomb	Water- general or unknown origin		dropdown	YesNoUnknown	TRUE
18	watsourcetrackopt	Does your facility track water use from any of its sources?		dropdown	YesNoUnknown	TRUE
19	watsource	Water Source	watsourcetrackopt, Yes	table		
20	watsourcetrack	Does your facility track use from this source?		dropdown	YesNoUnknown	
21	watsourcequant	Total quantity of water was used from this source during this reporting year?	row.watsourcetrack, Yes	number		
22	watsourceunit	Units	row.watsourcetrack, Yes	dropdown	WaterUnit	
23	watsourcemethod	Tracking Method	row.watsourcetrack, Yes	dropdown	Method	
24	watsourcefreq	What was the frequency of measurement?	row.watsourcetrack, Yes	dropdown	Frequency	

Table 4: Water *(continued)*

	REF ID	Question Text	Conditional	Answer Type	Option list	Foundation
25	watlightuserhtml	You are categorized as a Light Water User and will not need to answer any Level 2 or Level 3 questions. The highest you can achieve as a Low Water User is Level 1.	appWater, AppWater002	html		
26	watlevel2	LEVEL 2		html		
27	watbaselineopt	2. Has your facility set baselines for water use? If yes, select all water sources for which your facility has set a baseline.		dropdown	YesNoUnknown	
28	watbaseline	Water Source	watbaselineopt, Yes	table		
29	watbaselinesource	Have you set a baseline for this source?		dropdown	YesNoUnknown	
30	watbaselinesourcetype	Is the baseline absolute or normalized?	row.watbaselinesource, Yes	dropdown	NormAbs	
31	watbaselinesourcequant	What is the baseline quantity?	row.watbaselinesource, Yes	number		
32	watbaselinesourceunit	Unit	row.watbaselinesource, Yes	dropdown	WaterUnit	
33	watbaselinesourceyear	Enter the baseline year	row.watbaselinesource, Yes	dropdown	BaselineYear	
34	watbaselinesourcemethod	How was your baseline calculated?	row.watbaselinesource, Yes	text		
35	watbaselinesourceverified	Was the baseline verified?	row.watbaselinesource, Yes	dropdown	YesNoUnknown	
36	wathighestuse	3. Does your facility know what facility processes or operations use the most water?		dropdown	YesNoUnknown	
37	wathighestusemethod	Upload the methodology for identifying the highest water use factors.	wathighestuse, Yes	file		
38	wathighestusemethoddesc	If you do not have a document to upload, describe your methodology below:	wathighestuse, Yes	text		
39	wathighestusefactors	What are the highest water use factors at your facility?	wathighestuse, Yes	text		
40	wattargetopt	4. Has your facility set targets for reducing water use from any sources?		dropdown	YesNoUnknown	
41	wattargets	Water Source	wattargetopt, Yes	table		
42	wattargetssource	Has your facility set a target for reducing water use from this source?	wattargetopt, Yes	dropdown	YesNoUnknown	
43	wattargetssourceamt	What is your target for change in water use from this source?	row.wattargetssource, Yes	number		
44	wattargetssourceyear	Enter the target year	row.wattargetssource, Yes	dropdown	TargetYear	
45	wattargetssourcetype	Is this a normalized or absolute target?	row.wattargetssource, Yes	dropdown	NormAbsOther	
46	wattargetssourcemeasures	Describe the measures planned to achieve this target:	row.wattargetssource, Yes	text		
47	watimproveplan	5. Does your facility have an implementation plan to improve water use?		dropdown	YPNU	
48	watimproveplanfile	Upload a copy of the plan.	watimproveplan, Yes; Partial Yes	file		
49	watimproveopt	6. Has your facility reduced water withdrawal for any sources, compared with your baseline?		dropdown	YesNoUnknown	
50	watimprove	Water Source	watimproveopt, Yes	table		
51	watimprovesource	Has your facility reduced water withdrawal for this source in the last calendar year?		dropdown	YesNoUnknown	
52	watimprovesourcebaselineyear	Select baseline year	row.watimprovesource, Yes	dropdown	BaselineYear	

Table 4: Water *(continued)*

	REF ID	Question Text	Conditional	Answer Type	Option list	Foundation
53	watimprovesourcequant	Indicate the quantity change in water use from this source in the last calendar year	row.watimprovesource, Yes	number		
54	watimprovesourceeunit	Unit	row.watimprovesource, Yes	dropdown	WaterRedUnit	
55	watimprovesourcepercent	Percent change	row.watimprovesource, Yes	number		
56	watimprovesourcestrategies	Describe the strategies used to achieve this improvement:	row.watimprovesource, Yes	text		
57	watlevel3	LEVEL 3		html		
58	watbalanceanalysis	7. Has your facility implemented a water balance or another analysis to evaluate the traceability of water intake vs. usage (i.e. which processes) and output (i.e. to wastewater treatment plant)?		dropdown	YPNU	
59	watbalanceanalysisconduct	How was the water balance analysis conducted?	watbalanceanalysis, Yes; Partial Yes	text		

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2.5 Wastewater

Table 5: Wastewater

	REF ID	Question Text	Conditional	Answer Type	Option list	Foundation
1	wwintro	Applicability		html		TRUE
2	wwtypeind	Does your facility generate industrial wastewater?		dropdown	YesNo	TRUE
3	wwtypezld1	Does your facility have Zero Liquid Discharge?	wwtypeind, Yes	dropdown	YesNo	TRUE
4	wwtypezld2	Does your facility have Zero Liquid Discharge?	wwtypeind, No	dropdown	YesNo	TRUE
5	wwtreat	Do you treat industrial and domestic wastewater together?	wwtypeind, Yes, wwtypezld1, No	dropdown	YesNo	TRUE
6	wwtreatdomlocation1	Where is your domestic wastewater treated?	wwtypezld2; wwtreat, No	dropdown	WW_3	TRUE
7	wwtreatindlocation1	Where is your combined (industrial and domestic) wastewater treated?	wwtypezld1, No, wwtreat, Yes	dropdown	WW_4	TRUE
8	wwtreatindlocation2	Where is your industrial wastewater treated?	wwtreat, No	dropdown	WW_4	TRUE
9	wwdomonalert	Your facility discharges only domestic wastewater that is treated onsite. You will now answer questions applicable to a DOMESTIC ONSITE facility.	appWW, AppWW005	html		TRUE
10	wwdomoffalert	Your facility discharges only domestic wastewater that is treated offsite. You will now answer questions applicable to a DOMESTIC OFFSITE facility.	appWW, AppWW006	html		TRUE
11	wwdomonoffalert	Your facility discharges only domestic wastewater that is treated both onsite and offsite. You will now answer questions applicable to a DOMESTIC ONSITE AND OFFSITE facility.	appWW, AppWW007	html		TRUE
12	wwsepticalert	Your facility discharges only domestic wastewater that is treated via a septic system. You will now answer questions applicable to a SEPTIC facility.	appWW, AppWW008	html		TRUE
13	wwindonalert	Your facility discharges both industrial and domestic wastewater that is treated onsite. You will now answer questions applicable to an INDUSTRIAL ONSITE facility.	appWW, AppWW001	html		TRUE
14	wwindoffalert	Your facility discharges both industrial and domestic wastewater that is treated offsite. You will now answer questions applicable to an INDUSTRIAL OFFSITE facility.	appWW, AppWW002	html		TRUE
15	wwindonoffalert	Your facility discharges both industrial and domestic wastewater that is treated both onsite and offsite. You will now answer questions applicable to an INDUSTRIAL ONSITE AND OFFSITE facility.	appWW, AppWW003	html		TRUE

Table 5: Wastewater *(continued)*

	REF ID	Question Text	Conditional	Answer Type	Option list	Foundation
16	wwzldalert	Your facility discharges both industrial and domestic wastewater that is treated through a Zero Liquid Discharge system. You will now answer questions applicable to a ZERO LIQUID DISCHARGE facility.	appWW, AppWW004	html		TRUE
17	wwnottreated	All wastewater must be treated prior to release into the environment. You may not move on to Level 1 questions until you begin treating your domestic and/or industrial wastewater.	appWW, AppWW000	html		TRUE
18	wwlevel1	LEVEL 1		html		
19	wwtrackopt	Does your facility track its wastewater volume?	appWW, AppWW001; AppWW002; AppWW003; AppWW005; AppWW006; AppWW007	dropdown	YesNoUnknown	TRUE
20	wwtracktable	1. Wastewater tracking	wwtrackopt, Yes	table		
21	wwtrack	Does your facility track its wastewater volume from this source?		dropdown	YesNoUnknown	
22	wwtrackamt	What was the total quantity of wastewater discharged from your facility during this reporting year? (in cubic meters - m3)	row.wwtrack, Yes	number		
23	wwtrackmethod	Which method was used to track wastewater volume?	row.wwtrack, Yes	dropdown	Method	
24	wwtrackfreq	What was the frequency of measurement?	row.wwtrack, Yes	dropdown	Frequency	
25	wwtrackdischargepts	How many wastewater discharge points do you have?	row.wwtrack, Yes	number		
26	wwlabeldischargepts	Have you labeled all wastewater discharge points?	row.wwtrack, Yes	dropdown	YesNo	
27	wwmonitordischargepts	Do you monitor all identified wastewater discharge points?	row.wwtrack, Yes	dropdown	YesNo	
28	wwtrackdischarge	What was the final discharge point for your facility's wastewater?	row.wwtrack, Yes	dropdown	Discharge	
29	wwtrackcomments	Provide any additional comments:	row.wwtrack, Yes	text		
30	wwtrackupload	Please upload documentation.	row.wwtrack, Yes	file		
31	wwstormwatermixing	Does your facility have a mechanism to prevent wastewater from mixing with stormwater in the storm drain systems?	appWW, AppWW001; AppWW002; AppWW003	dropdown	YesNo	TRUE
32	wwstormwatermixingupload	Please upload documentation.	wwstormwatermixing, Yes	file		TRUE
33	wwoffsitetreatplant	2. Do you have the name and contact information of the offsite wastewater treatment plant?	appWW, AppWW002; AppWW003; AppWW006; AppWW007	dropdown	YesNo	TRUE
34	wwoffsitetreatplantname	Name	wwoffsitetreatplant, Yes	text		TRUE
35	wwoffsitetreatplantaddress	Address	wwoffsitetreatplant, Yes	text		TRUE
36	wwoffsitetreatplantowner	Ownership	wwoffsitetreatplant, Yes	dropdown	Ownership	TRUE
37	wwoffsitetreatplantcontract	Do you have a copy of the contract with the wastewater treatment plant?	wwoffsitetreatplant, Yes	dropdown	YesNo	TRUE
38	wwoffsitetreatplantcontractfile	Please upload documentation, if available.	wwoffsitetreatplant, Yes	file		TRUE

Table 5: Wastewater *(continued)*

	REF ID	Question Text	Conditional	Answer Type	Option list	Foundation
39	wwoffsitetreatplantcontractdescribe	If you cannot upload the documents, please describe here:	wwoffsitetreatplant, Yes	text		TRUE
40	wwemergplan	3. Does your facility have a back-up plan if there is an emergency situation related to wastewater?	appWW, AppWW001; AppWW002; AppWW003	dropdown	YesNoUnknown	TRUE
41	wwcontactauthorities	Does your facility have a process to contact appropriate government authorities or agencies as legally required in case of accidental discharge?	wwemergplan, Yes; No; Unknown	dropdown	YesNo	TRUE
42	wwcontactauthoritiesupload	Please upload documentation, if available.	wwcontactauthorities, Yes	file		TRUE
43	wwcontactauthoritiesdescribe	If you cannot upload the documents, please describe here:	wwcontactauthorities, Yes	text		TRUE
44	wwbackupplantraining	Does your facility provide training to all relevant employees regarding the backup plan?	wwemergplan, Yes; No; Unknown	dropdown	YesNo	TRUE
45	wwbackupplantrainingemployees	If yes, how many employees were trained?	wwbackupplantraining, Yes	number		TRUE
46	wwbackupplantrainingfreq	If yes, how frequently do you train your employees?	wwbackupplantraining, Yes	dropdown	FreqSample	TRUE
47	wwbackupplantrainingupload	Please upload documentation.	wwbackupplantraining, Yes	file		TRUE
48	wwemergplanstrategies	Select all strategies included in your facility's back-up plan for wastewater	wwemergplan, Yes	html		TRUE
49	wwemergplanstrategiesshutdown	Emergency Production Shutdown	wwemergplan, Yes	dropdown	YesNoUnknown	TRUE
50	wwemergplanstrategiesholdingtank	Holding Tank	wwemergplan, Yes	dropdown	YesNoUnknown	TRUE
51	wwemergplanstrategiesholdingtanksize	What is the size of your facility's holding tank?	wwemergplan, Yes	number		TRUE
52	wwemergplanstrategiessecondtreat	Secondary Treatment	wwemergplan, Yes	dropdown	YesNoUnknown	TRUE
53	wwemergplanstrategiesdischargeoffsite	Discharge to Offsite Water Treatment Plant	wwemergplan, Yes	dropdown	YesNoUnknown	TRUE
54	wwemergplanstrategiesother	Other Backup Process	wwemergplan, Yes	dropdown	YesNoUnknown	TRUE
55	wwemergplanstrategiesotherdescribe	If other, please describe:	wwemergplan, Yes	text		TRUE
56	wwemergplanfile	Please upload documentation, if available.	wwemergplan, Yes	file		TRUE
57	wwtreatmentcapacity	What is your facility's wastewater treatment handling peak / max average capacity?	wwemergplan, Yes	number		TRUE
58	wwleaking	Can you confirm that there is no leaking or bypassing of wastewater?	appWW, AppWW001; AppWW002; AppWW003	dropdown	YesNo	TRUE
59	wwhsludgedisposal	4. Is hazardous sludge (chemical / industrial) disposed of properly?	appWW, AppWW001; AppWW003	dropdown	HazSludge	TRUE
60	wwsludgetraining	Does your facility provide training to all relevant employees regarding the disposal method of hazardous sludge?	wwhsludgedisposal, Yes	dropdown	YesNo	TRUE
61	wwsludgetrainingemployees	If yes, how many employees were trained?	wwsludgetraining, Yes	number		TRUE
62	wwsludgetrainingfreq	If yes, how frequently do you train your employees?	wwsludgetraining, Yes	dropdown	FreqSample	TRUE
63	wwsludgetrainingupload	Please upload documentation.	wwsludgetraining, Yes	file		TRUE
64	wwsludgedisposalhazardous	How is your hazardous sludge disposed of?	wwhsludgedisposal, Yes	html		TRUE

Table 5: Wastewater *(continued)*

	REF ID	Question Text	Conditional	Answer Type	Option list	Foundation
65	wwsludgedisp1	Hazardous Waste Treatment	wwhsludgedisposal, Yes	dropdown	YesNoNA	TRUE
66	wwsludgedisp2	Incinerated controlled conditions	wwhsludgedisposal, Yes	dropdown	YesNoNA	TRUE
67	wwsludgedisp3	Landfilled	wwhsludgedisposal, Yes	dropdown	YesNoNA	TRUE
68	wwsludgedisp4	Open burning	wwhsludgedisposal, Yes	dropdown	YesNoNA	TRUE
69	wwsludgedisp5	Fuel Blended	wwhsludgedisposal, Yes	dropdown	YesNoNA	TRUE
70	wwsludgedisp6	Composted	wwhsludgedisposal, Yes	dropdown	YesNoNA	TRUE
71	wwsludgedisp7	Fertilizer (applied to land)	wwhsludgedisposal, Yes	dropdown	YesNoNA	TRUE
72	wwnhsludgedisposal	5. Is non-hazardous sludge (domestic only) disposed of properly?	appWW, AppWW005; AppWW007	dropdown	YesNoUnknown	TRUE
73	wwsludgedisposalnonhazardous	How is your non-hazardous sludge disposed of?	wwnhsludgedisposal, Yes	checkbox	NHSludge	TRUE
74	wwnhsludgedisposaltraining	Does your facility provide training to all relevant employees regarding the disposal method of non-hazardous sludge?	wwnhsludgedisposal, Yes	dropdown	YesNo	TRUE
75	wwnhsludgedisposaltrainingemployees	If yes, how many employees were trained?	wwnhsludgedisposaltraining, Yes	number		TRUE
76	wwnhsludgedisposaltrainingfreq	If yes, how frequently do you train your employees?	wwnhsludgedisposaltraining, Yes	dropdown	FreqSample	TRUE
77	wwnhsludgedisposaltrainingupload	Please upload documentation.	wwnhsludgedisposaltraining, Yes	file		TRUE
78	wwsepticwater	Does your facility treat wastewater using Septic before it is discharged?	appWW, AppWW008	dropdown	YesNoUnknown	TRUE
79	wwsepticwaterdescribe	If yes, please describe:	wwsepticwater, Yes	text		TRUE
80	wwsepticwatertraining	Does your facility provide training to all relevant employees regarding the disposal method of septic waste?	wwsepticwater, Yes	dropdown	YesNo	TRUE
81	wwsepticwatertrainingemployees	If yes, how many employees were trained?	wwsepticwatertraining, Yes	number		TRUE
82	wwsepticwatertrainingfreq	If yes, how frequently do you train your employees?	wwsepticwatertraining, Yes	dropdown	FreqSample	TRUE
83	wwsepticwatertrainingupload	Please upload documentation.	wwsepticwatertraining, Yes	file		TRUE
84	wwseptictankdischarge	How does your site unload your septic tank once full?	wwsepticwater, Yes	html		TRUE
85	wwseptictankdischargelocation	Describe where it is discharged:	wwsepticwater, Yes	text		TRUE
86	wwsseptictankdischargetreatment	Describe how it is treated after discharge:	wwsepticwater, Yes	text		TRUE
87	wwseptictankdischargefile	Please upload documentation if available.	wwsepticwater, Yes	file		TRUE
88	wwseptictankupgrade	Do you have a plan to upgrade your septic tank to a more modern wastewater treatment approach?	wwsepticwater, Yes	dropdown	YesNo	TRUE
89	wwseptictankupgradedescribe	If yes, please describe:	wwseptictankupgrade, Yes	text		TRUE
90	wwlevel2	LEVEL 2		html		
91	wwstandard	7. Are you reporting against a wastewater standard?	appWW, AppWW001; AppWW002; AppWW003; AppWW004	dropdown	YesNoUnknown	
92	wwstandardtable	Wastewater Standard	wwstandard, Yes	table		
93	wwstandardtype	Are you reporting against this standard?		dropdown	YesNo	
94	wwstandardfreq	Frequency of Sampling	row.wwstandardtype, Yes	dropdown	FreqSample	

Table 5: Wastewater *(continued)*

	REF ID	Question Text	Conditional	Answer Type	Option list	Foundation
95	wwstandardmetall	Have you tested and met all parameters specified in the standard?	row.wwstandardtype, Yes	dropdown	WWOtherlist	
96	wwstandardavail	Are your parameter results available on the standard's platform?	row.wwstandardtype, Yes	dropdown	YesNoNA	
97	wwstandardcomment	Comments	row.wwstandardtype, Yes	text		
98	wwstandard2anchem	Does your test result also show no detection of parameters in Table 2A-N Chemical Groups?	wwstandardtypezdhc, Yes	dropdown	WWOtherlist	
99	wwstandardnotmetwg	Select wastewater guideline detections and describe your action plans.	wwstandardmetallzdhc; wwstandardmetallbsr; wwstandardmetallipe; wwstandardmetallcustomer; wwstandardmetallother; wwstandard2anchem, No	html		
100	wwtable	Parameters	wwstandardmetallzdhc; wwstandardmetallbsr; wwstandardmetallipe; wwstandardmetallcustomer; wwstandardmetallother; wwstandard2anchem, No	table		
101	ww	Detected		dropdown	YesNo	
102	wwqty	Quantity detected	row.ww, Yes	number		
103	wwuofm	Unit of measure	row.ww, Yes	dropdown	WastewaterUnits	
104	wwlimit	What is the limit quantity?	row.ww, Yes	number		
105	wwlimituofm	Unit of measure	row.ww, Yes	dropdown	WastewaterUnits	
106	wwzdhc	Indicate ZDHC Level, if applicable:	row.ww, Yes	dropdown	ZDHCLevel2	
107	wwduration	How long have you had this problem?	row.ww, Yes	dropdown	Problem	
108	wwplanupload	Upload your action plan for the substance detected.	row.ww, Yes	file		
109	wwplandescription	If you don't have a document to upload, describe your plan:	row.ww, Yes	text		
110	wwzdhctable	Parameters	wwstandardmetallzdhc; wwstandard2anchem, No	table		
111	wwzdhc	Detected		dropdown	YesNo	
112	wwzdhcqty	Quantity detected	row.wwzdhc, Yes	number		
113	wwzdhcuofm	Unit of measure	row.wwzdhc, Yes	dropdown	WastewaterUnits	
114	wwzdhclimit	What is the limit quantity?	row.wwzdhc, Yes	dropdown	WWLimitUnits	
115	wwzdhczdhc	Indicate ZDHC Level, if applicable:	row.wwzdhc, Yes	dropdown	ZDHCLevel2	
116	wwzdhcduration	How long have you had this problem?	row.wwzdhc, Yes	dropdown	Problem	
117	wwzdhcplanupload	Upload your action plan for the substance detected.	row.wwzdhc, Yes	file		
118	wwzdhcplandescription	If you don't have a document to upload, describe your plan:	row.wwzdhc, Yes	text		
119	wwqualitytest	8. Have you requested wastewater quality test results from the offsite wastewater treatment plant?	appWW, AppWW002; AppWW003; AppWW006; AppWW007	dropdown	YesNoUnknown	
120	wwqualitytestfile	Please upload documentation if available.	wwqualitytest, Yes	file		
121	wwquallitytestdescribe	If you cannot upload the documents, please describe here:	wwqualitytest, Yes	text		

Table 5: Wastewater *(continued)*

	REF ID	Question Text	Conditional	Answer Type	Option list	Foundation
122	wwlevel3	LEVEL 3		html		
123	wwrecycle	9. Does your facility reuse and/or recycle process wastewater as process water (closed loop)?	appWW, AppWW001; AppWW002; AppWW003; AppWW004	dropdown	YesNoUnknown	
124	wwrecycleamt	Enter the percentage of wastewater treated and recycled back into your production processes	wwrecycle, Yes	number		
125	wwrecycledescribe	Please describe:	wwrecycle, Yes	text		

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2.6 Air Emissions

Table 6: Air Emissions

	REF ID	Question Text	Conditional	Answer Type	Option list	Foundation
1	airapplicability	Applicability		html		TRUE
2	airsourceops	Does your facility contain any of the following operations equipment?		html		TRUE
3	airsourceboiler	Boiler		dropdown	YesNo	TRUE
4	airsourceboilersize	Select boiler size	airsourceboiler, Yes	dropdown	BoilerSize	TRUE
5	airsourcegenerator	Generators		dropdown	YesNo	TRUE
6	airsourceengines	Engines		dropdown	YesNo	TRUE
7	airsourceovens	Ovens		dropdown	YesNo	TRUE
8	airsourceheating	Heating and ventilation		dropdown	YesNo	TRUE
9	airsourcerefrig	Refrigerant device		dropdown	YesNo	TRUE
10	airsourceaircon	Air conditioning		dropdown	YesNo	TRUE
11	airsourceopsother	Other sources of known air emissions from facility operations		dropdown	YesNo	TRUE
12	airsourcevoc	Other sources of volatile organic compounds (VOCs)		dropdown	YesNo	TRUE
13	airsourceprod	Does your facility conduct any of the following processes or use any of the following substances?		html		TRUE
14	airsourceyarn	Yarn spinning or synthetic fiber manufacturing		dropdown	YesNo	TRUE
15	airsourcefinishing	Finishes		dropdown	YesNo	TRUE
16	airsourcesolvent	Solvents		dropdown	YesNo	TRUE
17	airsourceadhesive	Adhesives/cementing		dropdown	YesNo	TRUE
18	airsourceprinting	Printing		dropdown	YesNo	TRUE
19	airsourcedyeing	Dyeing		dropdown	YesNo	TRUE
20	airsourcetenter	Tenter frames or other heating processes		dropdown	YesNo	TRUE
21	airsourcespot	Spot cleaners		dropdown	YesNo	TRUE
22	airsourcechem	Sprayed chemicals or paints		dropdown	YesNo	TRUE
23	airsourceods	Other sources of ozone depleting substances (ODSs)		dropdown	YesNo	TRUE
24	airsourcemonitor	Does your factory monitor air emissions?	appAir, AppAir002; AppAir003; AppAir004; AppAir005; AppAir006	dropdown	YesNo	TRUE
25	airopalert	You have operating emissions and will answer relevant questions.	appAir, AppAir002; AppAir003	html		TRUE
26	airprocessalert	You have production emissions and will answer relevant questions.	appAir, AppAir004	html		TRUE
27	airopprocessalert	You have both operating and production emissions and will answer relevant questions.	appAir, AppAir005; AppAir006	html		TRUE
28	airnoemissionsalert	You do not have operating or production air emissions and will not need to answer any questions.	appAir, AppAir001	html		TRUE
29	airlevel1	LEVEL 1		html		
30	airsourceopstrack	1. Do you track your air emissions from operations?	appAir, AppAir002; AppAir003; AppAir004; AppAir005; AppAir006	dropdown	YesNoUnknown	TRUE

Table 6: Air Emissions *(continued)*

	REF ID	Question Text	Conditional	Answer Type	Option list	Foundation
31	airsourceopstracktbl	Select all sources of air emissions relevant to your facility's operations	airsourceopstrack, Yes	table		
32	airsourceopsemissions	Are there emissions from this source?		dropdown	YesNoUnknown	
33	airsourcetrack	Do you track emissions from this source?	row.airsourceopsemissions, Yes	dropdown	YesNoUnknown	
34	airsourceequip	What equipment is this emission linked to?	row.airsourcetrack, Yes	text		
35	airsourcepoll	Pollutant	row.airsourcetrack, Yes	checkbox	Pollutants	
36	airsourcereg	Is this pollutant regulated by a government agency?	row.airsourcetrack, Yes	dropdown	YesNo	
37	airsourcepermit	If the pollutant is regulated by a permit, is it in compliance with the permit?	row.airsourcetrack, Yes	dropdown	YesNoNA	
38	airsourcecompfile	If your facility is out of compliance, upload the action plan for the substance and/or equipment.	row.airsourcetrack, Yes	file		
39	airsourceplan	If you cannot upload a copy, please describe the action plan:	row.airsourcetrack, Yes	text		
40	airsourcetestreport	If applicable, upload emissions test report(s).	row.airsourcetrack, Yes	file		
41	airsourcecomments	Additional Comments:	row.airsourcetrack, Yes	text		
42	airsourceprodtrack	2. Do you track your air emissions from productions?	appAir, AppAir004; AppAir005; AppAir006	dropdown	YesNoUnknown	TRUE
43	airsourceprodtracktbl	Select all sources of air emissions that result from production processes	airsourceprodtrack, Yes	table		
44	airsourceemissions	Are there emissions from this source?		dropdown	YesNoUnknown	
45	airsourcelink	Emissions source title	row.airsourceemissions, Yes	text		
46	airsourcetrack	Do you track emissions from this source?	row.airsourceemissions, Yes	dropdown	YesNoUnknown	
47	airsourcepoll	Pollutant	row.airsourcetrack, Yes	checkbox	Pollutants	
48	airsourcereg	Is this pollutant regulated by a government agency?	row.airsourcetrack, Yes	dropdown	YesNoUnknown	
49	airsourcepermit	If the pollutant is regulated by a permit, is it in compliance with the permit?	row.airsourcetrack, Yes	dropdown	YesNoNA	
50	airsourcecompfile	If your facility is out of compliance, upload the action plan for the substance and/or equipment.	row.airsourcetrack, Yes	file		
51	airsourceplan	If you cannot upload a copy, please describe the action plan:	row.airsourcetrack, Yes	text		
52	airsourcetestreport	If applicable, upload emissions test report(s).	row.airsourcetrack, Yes	file		
53	airsourcecomments	Additional Comments:	row.airsourcetrack, Yes	text		
54	airsourcerefrignew	3. Did your facility add additional refrigerants to any existing equipment during this reporting year?	appAir, AppAir002; AppAir005	dropdown	YesNoUnknown	TRUE
55	airsourcerefrigtrack	Do you track refrigerant use/emissions?	airsourcerefrignew, Yes	dropdown	YesNo	TRUE
56	airsourerefrightml	Select all refrigerants added to existing equipment	airsourcerefrigtrack, Yes	html		
57	airsourcerefrig1	Refrigerant	airsourcerefrigtrack, Yes	dropdown	Refrigerants	
58	airsourcerefrig1quant	Quantity of refrigerant added to existing equipment during this reporting year	airsourcerefrigtrack, Yes	number		
59	airsourcerefrig1unit	Unit	airsourcerefrigtrack, Yes	dropdown	EmissionsUnit	

Table 6: Air Emissions *(continued)*

	REF ID	Question Text	Conditional	Answer Type	Option list	Foundation
60	airsourcerefrig1method	What method was used to track emissions from this source?	airsourcerefrigtrack, Yes	dropdown	RefrigMethod	
61	airsourcerefrig1plan	What is your plan for fixing this leak?	airsourcerefrigtrack, Yes	text		
62	airsourcerefrig1add	Do you want to report another added refrigerant?	airsourcerefrigtrack, Yes	dropdown	YesNo	
63	airsourcerefrig2	Refrigerant	airsourcerefrig1add, Yes	dropdown	Refrigerants	
64	airsourcerefrig2quant	Quantity of refrigerant added to existing equipment during this reporting year	airsourcerefrig1add, Yes	number		
65	airsourcerefrig2unit	Unit	airsourcerefrig1add, Yes	dropdown	EmissionsUnit	
66	airsourcerefrig2method	What method was used to track emissions from this source?	airsourcerefrig1add, Yes	dropdown	RefrigMethod	
67	airsourcerefrig2plan	What is your plan for fixing this leak?	airsourcerefrig1add, Yes	text		
68	airsourcerefrig2add	Do you want to report another added refrigerant?	airsourcerefrig1add, Yes	dropdown	YesNo	
69	airsourcerefrig3	Refrigerant	airsourcerefrig2add, Yes	dropdown	Refrigerants	
70	airsourcerefrig3quant	Quantity of refrigerant added to existing equipment during this reporting year	airsourcerefrig2add, Yes	number		
71	airsourcerefrig3unit	Unit	airsourcerefrig2add, Yes	dropdown	EmissionsUnit	
72	airsourcerefrig3method	What method was used to track emissions from this source?	airsourcerefrig2add, Yes	dropdown	RefrigMethod	
73	airsourcerefrig3plan	What is your plan for fixing this leak?	airsourcerefrig2add, Yes	text		
74	airsourcerefrig3add	Do you want to report another added refrigerant?	airsourcerefrig2add, Yes	dropdown	YesNo	
75	airsourcerefrig4	Refrigerant	airsourcerefrig3add, Yes	dropdown	Refrigerants	
76	airsourcerefrig4quant	Quantity of refrigerant added to existing equipment during this reporting year	airsourcerefrig3add, Yes	number		
77	airsourcerefrig4unit	Unit	airsourcerefrig3add, Yes	dropdown	EmissionsUnit	
78	airsourcerefrig4method	What method was used to track emissions from this source?	airsourcerefrig3add, Yes	dropdown	RefrigMethod	
79	airsourcerefrig4plan	What is your plan for fixing this leak?	airsourcerefrig3add, Yes	text		
80	airsourcerefrig4add	Do you want to report another added refrigerant?	airsourcerefrig3add, Yes	dropdown	YesNo	
81	airsourcerefrig5	Refrigerant	airsourcerefrig4add, Yes	dropdown	Refrigerants	
82	airsourcerefrig5quant	Quantity of refrigerant added to existing equipment during this reporting year	airsourcerefrig4add, Yes	number		
83	airsourcerefrig5unit	Unit	airsourcerefrig4add, Yes	dropdown	EmissionsUnit	
84	airsourcerefrig5method	What method was used to track emissions from this source?	airsourcerefrig4add, Yes	dropdown	RefrigMethod	
85	airsourcerefrig5plan	What is your plan for fixing this leak?	airsourcerefrig4add, Yes	text		
86	aircontroldevops	4. Does your facility have control devices or abatement processes for on-site point source air emissions?	appAir, AppAir002; AppAir003; AppAir004; AppAir005; AppAir006	dropdown	YesNoUnknown	TRUE
87	aircontroldevopshtml	Select all point sources of air emissions that have control devices or abatement processes	aircontroldevops, Yes	table		TRUE
88	aircontroldev	Do you have control devices/abatement process for this source?		dropdown	YPNU	TRUE
89	aircontroldevtype	What control device, abatement process, or safety equipment was used for this source of air emissions?	row.aircontroldev, Yes; Partial Yes	text		TRUE

Table 6: Air Emissions *(continued)*

	REF ID	Question Text	Conditional	Answer Type	Option list	Foundation
90	aircontroldevfreq	What was the frequency of monitoring?	row.aircontroldev, Yes; Partial Yes	dropdown	AirEmissionsMonitor	TRUE
91	aircontroldevcomments	Provide any additional comments:	row.aircontroldev, Yes; Partial Yes	text		TRUE
92	aircontroldevprod	5. Does your facility have control devices or abatement processes for on-site fugitive/non-point source air emissions?	appAir, AppAir004; AppAir005; AppAir006	dropdown	YesNoUnknown	TRUE
93	aircontroldevprodhtml	Select all fugitive/non-point sources of air emissions that have control devices or abatement processes	aircontroldevprod, Yes	table		TRUE
94	aircontroldev	Do you have control devices or abatement processes for this source?		dropdown	YPNU	TRUE
95	aircontroldevtype	What control device, abatement process, or safety equipment was used for this source of air emissions?	row.aircontroldev, Yes; Partial Yes	text		TRUE
96	aircontroldevfreq	What was the frequency of monitoring?	row.aircontroldev, Yes; Partial Yes	dropdown	AirEmissionsMonitor	TRUE
97	aircontroldevcomments	Provide any additional comments:	row.aircontroldev, Yes; Partial Yes	text		TRUE
98	airlevel2	LEVEL 2		html		
99	airbeyondpermit	6. Has your facility gone beyond permit requirements to achieve a higher level of air performance in Nitrogen Oxides (NOx), Sulfur Oxides (SOx), and Particulate Matter (PM)?	appAir, AppAir002; AppAir003; AppAir004; AppAir005; AppAir006	dropdown	YesNo	
100	airbeyondpermitlevel	If yes, specify the level:	airbeyondpermit, Yes	dropdown	AirLevel	
101	airbeyondpermitupload	Upload emissions testing results for PM, SO2, and Nox.	airbeyondpermit, Yes	file		
102	airlevel3	LEVEL 3		html		
103	airimplementprocess	7. Do you have a process for implementing modernized equipment to reduce or eliminate air emissions and indoor air quality issues at your facility?	appAir, AppAir002; AppAir003; AppAir004; AppAir005; AppAir006	dropdown	YesNoUnknown	
104	airimplementprocessupload	Please upload documentation if available.	airimplementprocess, Yes	file		
105	airimplementprocessdescribe	If you cannot upload the documents, please describe here:	airimplementprocess, Yes	text		

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2.7 Waste

Table 7: Waste

	REF ID	Question Text	Conditional	Answer Type	Option list	Foundation
1	wstlevel1	LEVEL 1		html		
2	wstsourcenh	1. Which non-hazardous waste streams does your site produce? Select all that apply:		checkbox	WasteSourcesNH	TRUE
3	wstsourcenhtrack	Do you track your non-hazardous waste streams?	wstsourcenh, Materials; Metal; Plastic; Paper; Cans; Food; Glass; Cartons; Wastewater treatment sludge; Other; General or unspecified waste	dropdown	YesNoUnknown	TRUE
4	wstsourcenhtable	Non-hazardous sources	wstsourcenhtrack, Yes	table		
5	wstsourcenhtrack	Do you track this source?		dropdown	YesNoUnknown	
6	wstsourcenhdescr	Description	row.wstsourcenhtrack, Yes	text		
7	wstsourcenhquant	Quantity	row.wstsourcenhtrack, Yes	number		
8	wstsourcenhunit	Unit of Measure	row.wstsourcenhtrack, Yes	dropdown	NHWasteUnit	
9	wstsourcenhmethod	Which method was used to track this waste source?	row.wstsourcenhtrack, Yes	dropdown	WeighedEst	
10	wstsourcenhdisposalhtml	How was this waste disposed of?	row.wstsourcenhtrack, Yes	checkbox	WasteDisposal	
11	wstsourcenhdisposalcomments	Describe your waste management and disposal processes for this source:	row.wstsourcenhtrack, Yes	text		
12	wstsourceh	2. Which hazardous waste streams does your site produce? Select all that apply:		checkbox	WasteSourcesH	TRUE
13	wstsourcehtrack	Do you track your hazardous waste streams?	wstsourceh, Empty chemical; Film and Printing Frame; Wastewater treatment; Expired; Compressed gas; Contaminated materials; Batteries; Fluorescent light bulb; Ink cartridges; Waste oil; Empty containers; Electronic waste; Coal combustion; Other	dropdown	YesNo	TRUE
14	wstsourcehtable	Hazardous Sources	wstsourcehtrack, Yes	table		
15	wstsourcehtrack	Do you track this source?		dropdown	YesNoUnknown	
16	wstsourcehdescr	Description	row.wstsourcehtrack, Yes	text		
17	wstsourcehquant	Quantity	row.wstsourcehtrack, Yes	number		
18	wstsourcehunit	Unit of Measure	row.wstsourcehtrack, Yes	dropdown	HazWasteUnit	
19	wstsourcehmethod	Which method was used to track this waste source?	row.wstsourcehtrack, Yes	dropdown	WeighedEst	
20	wstsourcehdisposalhtml	How was this waste disposed of?	row.wstsourcehtrack, Yes	checkbox	WasteDisposal	
21	wstsourcehdisposalpermit	Are all hazardous waste transporters, treatment, and disposal facilities licensed and permitted?	row.wstsourcehtrack, Yes	dropdown	YesNoNA	
22	wstsourcehdisposalpermitfile	Upload a copy of the permit.	row.wstsourcehdisposalpermit, Yes	file		
23	wstsourcehdisposalprocess	Describe your waste management and disposal processes for this source:	row.wstsourcehtrack, Yes	text		
24	wstsegregatestreams	3. Does your facility segregate all waste streams into non-hazardous and hazardous waste, and store them separately?		dropdown	YesNoUnknown	TRUE

Table 7: Waste *(continued)*

	REF ID	Question Text	Conditional	Answer Type	Option list	Foundation
25	wsthstorage	4. Does your facility have well marked, designated hazardous waste storage area and containers?		dropdown	YesNoUnknown	TRUE
26	wsthstoragevent	The hazardous waste storage area is ventilated, dry and protected from the weather and fire risk	wsthstorage, Yes	dropdown	YesNo	TRUE
27	wsthstoragelocked	The hazardous waste storage area is protected from unauthorized employees (i.e. locked)	wsthstorage, Yes	dropdown	YesNo	TRUE
28	wsthstoragenonsmoke	Eating, smoking and drinking are not permitted in these areas	wsthstorage, Yes	dropdown	YesNo	TRUE
29	wsthstoragemarked	The hazardous waste storage area is clearly marked	wsthstorage, Yes	dropdown	YesNo	TRUE
30	wsthstoragefloor	Where liquid wastes are stored, the floor is solid and non-porous, containers have lids, there are no water drains that the liquid could spill into, and there is no evidence of spilled liquid	wsthstorage, Yes	dropdown	YesNo	TRUE
31	wsthstorageflamsubs	Flammable substances are kept away from sources of heat or ignition, including the use of grounding and explosion-proof lighting	wsthstorage, Yes	dropdown	YesNo	TRUE
32	wsthstoragesegragate	Incompatible waste must be segregated	wsthstorage, Yes	dropdown	YesNo	TRUE
33	wsthstoragespillppe	Spill response equipment including necessary personal protective equipment (PPE) must be located near storage areas including accessible emergency eyewash and/or shower stations	wsthstorage, Yes	dropdown	YesNo	TRUE
34	wsthstorageempppe	Employees must use appropriate personal protective equipment (PPE) when in these areas	wsthstorage, Yes	dropdown	YesNo	TRUE
35	wsthstoragegoodcondition	Storage containers are in good condition, appropriate for their contents, closed and clearly labeled with their contents	wsthstorage, Yes	dropdown	YesNo	TRUE
36	wsthstorageslids	Containers must have lids	wsthstorage, Yes	dropdown	YesNo	TRUE
37	wsthstoragesecured	Containers must be secured to prevent falling and safely stacked	wsthstorage, Yes	dropdown	YesNo	TRUE
38	wsthstoragespace	Adequate aisle space must be maintained between containers	wsthstorage, Yes	dropdown	YesNo	TRUE
39	wstnhstorage	5. Does your facility have well marked, designated non- hazardous waste storage area and containers?		dropdown	YesNoUnknown	TRUE
40	wstnhstoragevent	The non-hazardous waste storage area is ventilated, dry and protected from the weather and fire risk, and must be stored on impervious surfaces	wstnhstorage, Yes	dropdown	YesNo	TRUE
41	wstnhstoragemarked	The non-hazardous waste storage area is clearly marked	wstnhstorage, Yes	dropdown	YesNo	TRUE

Table 7: Waste *(continued)*

	REF ID	Question Text	Conditional	Answer Type	Option list	Foundation
42	wstnhstorageflamsubs	Flammable substances are kept away from sources of heat or ignition, including the use of grounding and explosion-proof lighting	wstnhstorage, Yes	dropdown	YesNo	TRUE
43	wstnhstorageppe	Employees must use appropriate personal protective equipment (PPE) when in these areas.	wstnhstorage, Yes	dropdown	YesNo	TRUE
44	wstnhstoragegoodcondition	Storage containers are in good condition, appropriate for their contents, closed and clearly labeled with their contents	wstnhstorage, Yes	dropdown	YesNo	TRUE
45	wstnhstoragesecured	Containers must be secured to prevent falling and safely stacked.	wstnhstorage, Yes	dropdown	YesNo	TRUE
46	wstpolburn	6. Does your facility forbid all irresponsible waste disposal actions including open burning, open dumping, burying and storage tank leaks?		dropdown	YesNo	TRUE
47	wstpolburntext	If open burning is not forbidden, please describe the technology used and how you control air emissions	wstpolburn, No	text		TRUE
48	wstpoldumptext	If open dumping is not forbidden, please describe the technology used and how you control pollution	wstpolburn, No	text		TRUE
49	wstpolstoragetanktext	If burying and storange tank leaks is not forbidden, please indicate how you have dispose of waste onsite	wstpolburn, No	text		TRUE
50	wstapplicburndump	Please forbid all open dumping and burning to ensure waste is properly controlled to move on.	wstpolburn, No	html		
51	wsthtrain	7. Does your facility provide training to all employees whose work involves hazardous waste handling (such as maintenance and custodial staff)?		dropdown	YPNU	TRUE
52	wsthtraintopics	If yes, please select all topics included in your training:	wsthtrain, Yes; Partial Yes	checkbox	WasteTraining	TRUE
53	wsthtrainother	If other, please specify:	wsthtrain, Yes; Partial Yes	text		TRUE
54	wsthtrainemployees	If yes, how many employees were trained?	wsthtrain, Yes; Partial Yes	number		TRUE
55	wsthtrainfreq	If yes, how frequently do you train your employees?	wsthtrain, Yes; Partial Yes	dropdown	FreqSample	TRUE
56	wsthtrainupload	Please upload documentation.	wsthtrain, Yes; Partial Yes	file		TRUE
57	wstapplic	You must achieve Yes or Partial Yes to all questions in Level 1 before moving on to Levels 2 and 3. Please first implement basic waste management practices and ensure all hazardous waste transport, treatment, and disposal facilities are licensed and permitted before proceeding to more advanced practices.		html		
58	wstlevel2	LEVEL 2		html		
59	wstbaseline	8. Has your facility set a baseline for solid waste?		dropdown	YesNoUnknown	

Table 7: Waste *(continued)*

	REF ID	Question Text	Conditional	Answer Type	Option list	Foundation
60	wstbaselinesource	Select all sources of waste for which your facility has set a baseline	wstbaseline, Yes	html		
61	wstbaselinenhsourcetable	Non-hazardous waste baselines	wstbaseline, Yes	table		
62	wstbaselinenhsource	Have you set a baseline for this source?		dropdown	YesNo	
63	wstbaselinenhsourcetype	Is the baseline absolute or normalized?	row.wstbaselinenhsource, Yes	dropdown	NormAbs	
64	wstbaselinenhsourcequant	What is the baseline quantity?	row.wstbaselinenhsource, Yes	number		
65	wstbaselinenhsourceunit	Unit of Measure	row.wstbaselinenhsource, Yes	dropdown	NHWasteUnit	
66	wstbaselinenhsourceyear	Enter the baseline year	row.wstbaselinenhsource, Yes	dropdown	BaselineYear	
67	wstbaselinenhsourcemethod	How was your baseline calculated?	row.wstbaselinenhsource, Yes	text		
68	wstbaselinenhsourceverified	Was the baseline verified?	row.wstbaselinenhsource, Yes	dropdown	YesNo	
69	wstbaselinehsourcetable	Hazardous waste baselines	wstbaseline, Yes	table		
70	wstbaselinehsource	Have you set a baseline for this source?		dropdown	YesNo	
71	wstbaselinehsourcetype	Is the baseline absolute or normalized?	row.wstbaselinehsource, Yes	dropdown	NormAbs	
72	wstbaselinehsourcequant	What is the baseline quantity?	row.wstbaselinehsource, Yes	number		
73	wstbaselinehsourceunit	Unit of Measure	row.wstbaselinehsource, Yes	dropdown	HazWasteUnit	
74	wstbaselinehsourceyear	Enter the baseline year	row.wstbaselinehsource, Yes	dropdown	BaselineYear	
75	wstbaselinehsourcemethod	How was your baseline calculated?	row.wstbaselinehsource, Yes	text		
76	wstbaselinehsourceverified	Was the baseline verified?	row.wstbaselinehsource, Yes	dropdown	YesNo	
77	wstbaselinedisp	9. Did you set a baseline for waste disposal methods for your facility's overall waste?		dropdown	YesNo	
78	wstbaselinedispmethods	Disposal Methods	wstbaselinedisp, Yes	table		
79	wstbaselinedisp	Have you set a baseline for this method?		dropdown	YesNo	
80	wstbaselinedispquant	What is the baseline quantity?	row.wstbaselinedisp, Yes	number		
81	wstbaselinedispyear	Enter the baseline year	row.wstbaselinedisp, Yes	dropdown	BaselineYear	
82	wstbaselinedispcalc	How was your baseline calculated?	row.wstbaselinedisp, Yes	text		
83	wstbaselinedispverified	Was the baseline verified?	row.wstbaselinedisp, Yes	dropdown	YesNo	
84	wsttarget	10. Does your facility set formal targets to reduce waste quantity?		dropdown	YesNoUnknown	
85	wsttargetnhsource	Non-hazardous waste targets	wsttarget, Yes	table		
86	wsttargetnhsource	Waste source		dropdown	YesNo	
87	wsttargetnhsourcechange	What is your target change for waste generated from this source? (%) Enter a negative percentage for a reduction target, and a positive percentage for an increase target	row.wsttargetnhsource, Yes	number		
88	wsttargetnhsourceyear	What is the target year?	row.wsttargetnhsource, Yes	dropdown	TargetYear	
89	wsttargetnhsourcemeasures	Describe the measures planned to achieve this target	row.wsttargetnhsource, Yes	text		
90	wsttargethsource	Hazardous waste targets	wsttarget, Yes	table		
91	wsttargethsource	Waste source		dropdown	YesNo	
92	wsttargethsourcechange	What is your target change for waste generated from this source?	row.wsttargethsource, Yes	number		
93	wsttargethsourceyear	What is the target year?	row.wsttargethsource, Yes	dropdown	TargetYear	
94	wsttargethsourcemeasures	Describe the measures planned to achieve this target	row.wsttargethsource, Yes	text		
95	wsttargetdisp	11. Did you set a target for improving waste disposal methods for your facility's overall waste?		dropdown	YesNo	

Table 7: Waste *(continued)*

	REF ID	Question Text	Conditional	Answer Type	Option list	Foundation
96	wsttargetdispmethods	Disposal methods targets	wsttargetdisp, Yes	table		
97	wsttargetdisp	Did you set a target for improving waste disposal methods for your facility's overall waste?		dropdown	YesNo	
98	wsttargetdispchange	What is your target change for this method of disposal?	row.wsttargetdisp, Yes	number		
99	wsttargetdispyear	What is the target year?	row.wsttargetdisp, Yes	dropdown	TargetYear	
100	wsttargetdispmeasures	Describe the measures planned to achieve this target	row.wsttargetdisp, Yes	text		
101	wstredimpplan	12. Does your facility have an implementation plan to reduce waste quantity or improve type of treatment?		dropdown	YPNU	
102	wstredimpfile	Upload a copy of the plan.	wstredimpplan, Yes; Partial Yes	file		
103	wstredimp2018	13. Has your facility reduced waste quantity or improved type of treatment in this reporting year, compared with the established baseline?		dropdown	YesNoUnknown	
104	wstredimpnhsource	Non-hazardous waste improvements	wstredimp2018, Yes	table		
105	wstredimpnhsource	Waste source		dropdown	YesNo	
106	wstredimpnhsourcebaseyr	Select baseline year	row.wstredimpnhsource, Yes	dropdown	BaselineYear	
107	wstredimpnhsourcequant	Quantity	row.wstredimpnhsource, Yes	number		
108	wstredimpnhsourceunit	Unit of Measure	row.wstredimpnhsource, Yes	dropdown	NHWasteUnit	
109	wstredimpnhsourcepercent	Percent Change	row.wstredimpnhsource, Yes	number		
110	wstredimpnhsourcestrategies	Describe the strategies used to achieve this improvement	row.wstredimpnhsource, Yes	text		
111	wstredimphsource	Hazardous waste improvements	wstredimp2018, Yes	table		
112	wstredimphprodsource	Waste source		dropdown	YesNo	
113	wstredimphprodsourcebaseyr	Select baseline year	row.wstredimphprodsource, Yes	dropdown	BaselineYear	
114	wstredimphprodsourcequant	Quantity	row.wstredimphprodsource, Yes	number		
115	wstredimphprodsourceunit	Unit of Measure	row.wstredimphprodsource, Yes	dropdown	HazWasteUnit	
116	wstredimphprodsourcepercent	Percent Change	row.wstredimphprodsource, Yes	number		
117	wstredimphprodsourcestrategies	Describe the strategies used to achieve this improvement	row.wstredimphprodsource, Yes	text		
118	wstredimpdisp	14. Has your facility improved waste disposal methods for overall waste in this reporting year, compared with the baseline?		dropdown	YesNo	
119	wstredimpdispmethods	Disposal method improvements	wstredimpdisp, Yes	table		
120	wstredimpdisp	Have you improved this waste disposal method?		dropdown	YesNo	
121	wstredimpdispbaseyr	Select baseline year	row.wstredimpdisp, Yes	dropdown	BaselineYear	
122	wstredimpdisppercent	What was the percentage change?	row.wstredimpdisp, Yes	number		
123	wstredimpdispstrategies	Describe the strategies used to achieve this improvement	row.wstredimpdisp, Yes	text		
124	wstlevel3	LEVEL 3		html		
125	wsthazdispvalidate	15. Does your facility validate the final disposal and treatment of all hazardous wastes?		dropdown	YesNoUnknown	
126	wsthazdispvalidatefile	If yes, upload supporting documentation.	wsthazdispvalidate, Yes	file		

Table 7: Waste *(continued)*

	REF ID	Question Text	Conditional	Answer Type	Option list	Foundation
127	wstdispcontractors	Describe how you work with your facility's waste contractors to ensure appropriate disposal during the waste treatment:	wsthazdispvalidate, Yes	text		
128	wstdispzerowaste	16. Has your factory diverted at least 90 percent of all discarded materials from landfills, incinerators and the environment?		dropdown	YesNoUnknown	
129	wstdispzerowastefile	If yes, upload supporting documentation.	wstdispzerowaste, Yes	file		
130	wstdispzerowastedescribe	Please describe how this is implemented:	wstdispzerowaste, Yes	text		
131	wstdispupcycle	17. Does your facility upcycle some of its waste or insert its waste into a circular economy system?		dropdown	YesNoUnknown	
132	wstdispupcycledescribe	If yes, describe how:	wstdispupcycle, Yes	text		

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2.8 Chemicals

Table 8: Chemicals

	REF ID	Question Text	Conditional	Answer Type	Option list	Foundation
1	chemapplicability	Applicability		html		TRUE
2	chemprocess	Select all of the processes performed at your facility:		html		TRUE
3	chemdyeing	Dyeing or other wet processing		dropdown	YesNo	TRUE
4	chemprinting	Printing		dropdown	YesNo	TRUE
5	chemlaundry	Laundry or washing		dropdown	YesNo	TRUE
6	chemcementing	Cementing or gluing		dropdown	YesNo	TRUE
7	chemfiber	Fiber extrusion or yarn spinning		dropdown	YesNo	TRUE
8	chemsashing	Slashing during weaving		dropdown	YesNo	TRUE
9	chemleather	Leather tanning		dropdown	YesNo	TRUE
10	chemlamination	Lamination		dropdown	YesNo	TRUE
11	chemextrusion	Extrusion, assembly, finishing of plastic parts		dropdown	YesNo	TRUE
12	chemmetal	Metal finishing (with chemical use)		dropdown	YesNo	TRUE
13	chemwelding	Welding		dropdown	YesNo	TRUE
14	chemcasting	Casting (with chemical use)		dropdown	YesNo	TRUE
15	chemdegreasing	Degreasing with organic solvents		dropdown	YesNo	TRUE
16	chempainting	Painting		dropdown	YesNo	TRUE
17	chempowdercoating	Powder Coating (for non-metal use)		dropdown	YesNo	TRUE
18	chemsoldering	Soldering		dropdown	YesNo	TRUE
19	chempcb	Printed Circuit Board electronic automation (with chemical use)		dropdown	YesNo	TRUE
20	chemother	Other production processes that require chemicals		dropdown	YesNo	TRUE
21	chemapplicy	Your facility uses chemicals in production processes. You will now answer all applicable questions.	appChem, AppChem001	html		TRUE
22	chemapplicn	Your facility does NOT use chemicals in production processes. You will now answer all applicable questions. Chemicals management practices are critical at all factories, even those that do not manufacture using chemicals.	appChem, AppChem002; AppChem003	html		TRUE
23	chemlevel1	LEVEL 1		html		
24	chemtrack	1. Does your facility keep an inventory of chemicals used and the suppliers of each chemical product?		dropdown	YesNoUnknown	TRUE
25	chemtrackhtml	Check all types of chemicals included in the inventory:	chemtrack, Yes	html		TRUE
26	chemtrackmanf	All chemicals used in manufacturing processes (including chemicals in production, reactants and additives, and wastewater treatment plant chemicals where applicable)	chemtrack, Yes	dropdown	YesNoNA	TRUE
27	chemtracktooling	All chemicals used in tooling/equipment (lubricants and grease)	chemtrack, Yes	dropdown	YesNoNA	TRUE

Table 8: Chemicals *(continued)*

	REF ID	Question Text	Conditional	Answer Type	Option list	Foundation
28	chemtrackops	All chemicals used to operate and maintain the facility	chemtrack, Yes	dropdown	YesNo	TRUE
29	chemtrackfile	Please upload documentation, if available.	chemtrack, Yes	file		TRUE
30	chemtrackiddata	Does your facility's chemical inventory include chemical identification data? Check all that apply:	chemtrack, Yes	checkbox	ChemInventory	TRUE
31	chemtrackdatahtml	Does your facility's chemical inventory include the following data? Select all that apply:	chemtrack, Yes	checkbox	ChemInventory2	TRUE
32	chemtrackdataplan	For data not included in your facility's chemical inventory, is there an action plan for obtaining this data?	chemtrack; chemtrackmanf; chemtracktooling; chemtrackops, No	dropdown	YesNo	TRUE
33	chemtrackdataplanfile	Upload your action plan for obtaining this data.	chemtrackdataplan, Yes	file		TRUE
34	chemtrackdataplandescribe	If you don't have a document to upload, describe your plan:	chemtrackdataplan, Yes	text		TRUE
35	chemsds	2. Does your facility make Safety Data Sheets (SDS) available to employees for all chemicals used?		dropdown	YPNUNA	TRUE
36	chemsdstype1	Are Safety Data Sheets posted where hazardous chemicals are stored?	chemsds, Yes; Partial Yes	dropdown	YesNo	TRUE
37	chemsdstype2	Are Safety Data Sheets available in languages workers understand (at least sections directly related to operational worker safety and storage requirements, such as first aid, hazard, and flammability information)?	chemsds, Yes; Partial Yes	dropdown	YesNo	TRUE
38	chemsdsfile	Please upload documentation, if available.	chemsds, Yes; Partial Yes	file		TRUE
39	chemtraining	3. Does your facility train all employees who use chemicals on chemical hazards, risk, proper handling, and what to do in case of emergency or spill?		dropdown	YPNU	TRUE
40	chemtrainingtopics	If yes, please select all topics included in your training:	chemtraining, Yes; Partial Yes	checkbox	ChemTrain	TRUE
41	chemtrainingemployees	If yes, how many employees were trained?	chemtraining, Yes; Partial Yes	number		TRUE
42	chemtrainingfreq	If yes, how frequently do you train your employees?	chemtraining, Yes; Partial Yes	dropdown	FreqSample	TRUE
43	chemtrainingupload	If yes, please upload supporting documentation.	chemtraining, Yes; Partial Yes	file		TRUE
44	chememergplan	4. Does your facility have a chemical spill and emergency response plan that is practiced periodically?		dropdown	YPNU	TRUE
45	chememergplanemployees	How many employees were trained on this topic?	chememergplan, Yes; Partial Yes	number		TRUE
46	chememergplanfreq	How frequently do you train your employees on this topic?	chememergplan, Yes; Partial Yes	dropdown	FreqSample	TRUE

Table 8: Chemicals *(continued)*

	REF ID	Question Text	Conditional	Answer Type	Option list	Foundation
47	chememergrecords	Does your facility keep records of all employee and environmental incidents related to chemical spills and emergency response?	chememergplan, Yes; Partial Yes	dropdown	YPNU	TRUE
48	chememergfile	Please upload documentation, if available.	chememergplan, Yes; Partial Yes	file		TRUE
49	chemsafetyequip	5. Does your facility have appropriate and operable protective and safety equipment, as recommended by the Global Harmonization System compliant (or equivalent) Safety Data Sheet, in all areas where chemicals are stored and used?		dropdown	YesNoUnknown	TRUE
50	chemsafetyfile	Please upload documentation.	chemsafetyequip, Yes	file		TRUE
51	chemhazardsign	6. Does your facility have chemical hazard signage and safe handling equipment in the areas of the facility where chemicals are used?		dropdown	YesNoUnknown	TRUE
52	chemhazardfile	Please upload documentation.	chemhazardsign, Yes	file		TRUE
53	chempurchasereq	7. Does your facility select and purchase chemicals based on their hazards and MRSL / RSL requirements?		dropdown	YPNU	TRUE
54	chempurchasereqpolicy	If yes, do all chemicals purchased and used in production meet the facility's chemical purchasing policy?	chempurchasereq, Yes	dropdown	YesNo	TRUE
55	chempurchasereqprocess	If no, do you have a process or plan for eliminating chemicals that do not meet the facility's chemical purchasing policy?	chempurchasereq, No; Partial Yes	dropdown	YesNo	TRUE
56	chempurchasereqprocessdescribe	Please describe the process or plan:	chempurchasereqprocess, Yes; No	text		TRUE
57	chempurchasereqfile	Please upload documentation if available.	chempurchasereqprocess, Yes; No	file		TRUE
58	chemhealthprogram	8. Does your facility have an environmental and occupational health and safety program specific to chemicals management?		dropdown	YPNU	TRUE
59	chemhealthfiley	Please upload documentation.	chemhealthprogram, Yes	file		TRUE
60	chemstorage	9. Does your facility have well marked, designated chemical storage and temporary storage areas?		dropdown	ChemStorage	TRUE
61	chemstoragehtml	If yes, select all that apply:	chemstorage, Yes it only has chemical storage areas; Yes it has both chemical storage and temporary storage areas	html		TRUE
62	chemstorageventilated	The chemical storage area is ventilated, dry and protected from the weather, and fire risk.	chemstorage, Yes it only has chemical storage areas; Yes it has both chemical storage and temporary storage areas	dropdown	YesNo	TRUE
63	chemstorageprotected	The storage area is protected from unauthorized employees (i.e. locked).	chemstorage, Yes it only has chemical storage areas; Yes it has both chemical storage and temporary storage areas	dropdown	YesNo	TRUE

Table 8: Chemicals *(continued)*

	REF ID	Question Text	Conditional	Answer Type	Option list	Foundation
64	chemstoragemarked	The chemical storage area is clearly marked.	chemstorage, Yes it only has chemical storage areas; Yes it has both chemical storage and temporary storage areas	dropdown	YesNo	TRUE
65	chemstorageexit	The chemical storage area has easy entry and exit in case of any emergencies.	chemstorage, Yes it only has chemical storage areas; Yes it has both chemical storage and temporary storage areas	dropdown	YesNo	TRUE
66	chemstoragecontainers	Storage containers are in good condition, appropriate for their contents, closed and clearly labeled with their contents.	chemstorage, Yes it only has chemical storage areas; Yes it has both chemical storage and temporary storage areas	dropdown	YesNo	TRUE
67	chemstoragefloors	Floor in storage area is solid and non-porous, there are no water drains that the liquid could spill into, and there is no evidence of spilled liquid.	chemstorage, Yes it only has chemical storage areas; Yes it has both chemical storage and temporary storage areas	dropdown	YesNo	TRUE
68	chemstoragesecondarycont	Secondary containment is available for solid and liquid chemicals in tanks, drums, and temporary containers (where applicable) to ensure no unintended releases occur.	chemstorage, Yes it only has chemical storage areas; Yes it has both chemical storage and temporary storage areas	dropdown	YesNo	TRUE
69	chemstorageincompsubs	Incompatible substances (such as strong acids and strong bases) are stored separately.	chemstorage, Yes it only has chemical storage areas; Yes it has both chemical storage and temporary storage areas	dropdown	YesNo	TRUE
70	chemstorageflammablesubs	Flammable substances are kept away from sources of heat or ignition, including the use of grounding and explosion-proof lighting.	chemstorage, Yes it only has chemical storage areas; Yes it has both chemical storage and temporary storage areas	dropdown	YesNo	TRUE
71	chemstoragetempcont	Temporary storage containers are closed and labeled with contents, lot, and hazard class.	chemstorage, Yes it only has chemical storage areas; Yes it has both chemical storage and temporary storage areas	dropdown	YesNo	TRUE
72	chemstoragefile	Please upload documentation, if available.	chemstorage, Yes it only has chemical storage areas; Yes it has both chemical storage and temporary storage areas	file		TRUE
73	chemtrainingRSL	10. Does your facility train employees responsible for the chemical management system on Restricted Substance Lists (RSLs) and Manufacturing Restricted Substance Lists (MRSLs)?	appChem, AppChem001	dropdown	YPNU	TRUE
74	chemtrainingRSLtopics	If yes, please select all topics included in your training:	chemtrainingRSL, Yes; Partial Yes	checkbox	ChemTrainingMRSL	TRUE
75	chemtrainingRSLdescribe	Please describe the RSL and MRSL trainings conducted in the last calendar year.	chemtrainingRSL, Yes; Partial Yes	text		TRUE
76	chemtrainingRSLemployees	If yes, how many employees were trained?	chemtrainingRSL, Yes; Partial Yes	number		TRUE
77	chemtrainingRSLfreq	If yes, how frequently do you train your employees?	chemtrainingRSL, Yes; Partial Yes	dropdown	FreqSample	TRUE

Table 8: Chemicals *(continued)*

	REF ID	Question Text	Conditional	Answer Type	Option list	Foundation
78	chemtrainingfile	Please upload documentation if available.	chemtrainingRSL, Yes; Partial Yes	file		TRUE
79	chemprocessidentifyRSL	11. Does your facility have a documented process to systematically identify, monitor and verify compliance with all product Restricted Substance Lists (RSLs), and segregate chemical formulations materials and products which are non-compliant with RSL?	appChem, AppChem001	dropdown	YPNU	TRUE
80	chemprocessidentifyfile	Please upload documentation.	chemprocessidentifyRSL, Yes; Partial Yes	file		TRUE
81	chemfailresolution	Does your facility have a failure resolution process that is followed in the event of an RSL test failure?	appChem, AppChem001	dropdown	YesNo	TRUE
82	chemfailresolutionfile	Please upload documentation.	chemfailresolution, Yes	file		TRUE
83	chemprocessmonitorRSL	12. Does your facility have a documented process to systematically monitor, update and demonstrate compliance with Manufacturing Restricted Substance Lists (MRSLs), and segregate chemical formulations materials and products which are non-compliant with MRSL?	appChem, AppChem001	dropdown	YPNU	TRUE
84	chemprocesssuppliers	Does your facility require its chemicals suppliers to do the same?	chemprocessmonitorRSL, Yes; Partial Yes	dropdown	YesNoUnknown	
85	chemprocesssubcontractors	Does your facility require its washing and printing subcontractors to do the same?	chemprocessmonitorRSL, Yes; Partial Yes	dropdown	YesNoUNA	
86	chemprocessdescribe	Please describe these processes:	chemprocessmonitorRSL, Yes; Partial Yes	text		
87	chemprocessmonitorfile	Please upload documentation, if available.	chemprocessmonitorRSL, Yes; Partial Yes	file		
88	chemtraceinventory	13. Can all of your production chemicals be traced from the manufacturing process back to chemical inventory?	appChem, AppChem001	dropdown	YPNU	
89	chemtracefile	Please upload documentation, if available.	chemtraceinventory, Yes; Partial Yes	file		
90	chemlevel2	LEVEL 2		html		
91	chemimproveplan	14. Does your facility have an implementation plan to improve your chemicals management program?		dropdown	YesNoUnknown	
92	chemimprovefile	Please upload documentation.	chemimproveplan, Yes	file		
93	chemreduceplan	15. Does your facility have an implementation plan to reduce the use of hazardous chemicals beyond chemicals specified by regulations and/or Restricted Substance Lists / Manufacturing Restricted Substance Lists?		dropdown	YPNU	
94	chemreducefile	Please upload documentation.	chemreduceplan, Yes	file		

Table 8: Chemicals *(continued)*

	REF ID	Question Text	Conditional	Answer Type	Option list	Foundation
95	chemsourcelist	16. Does your facility source already-approved or preferred chemicals from a positives list beyond chemicals specified by regulations and/or Restricted Substance Lists / Manufacturing Restricted Substance Lists?		dropdown	YPNU	
96	chemsourcefile	Please upload documentation.	chemsourcelist, Yes	file		
97	chemlevel3	LEVEL 3		html		
98	chemcollabalternatives	17. Does your facility collaborate with brands and/or chemical suppliers to select chemicals for alternatives assessment?		dropdown	YesNoUnknown	
99	chemcollabalternativeshtml	Indicate which chemicals:	chemcollabalternatives, Yes	html		
100	chemalternativesmanf	All chemicals used in manufacturing processes	chemcollabalternatives, Yes	dropdown	YesNo	
101	chemalternativestooling	All chemicals used in tooling/equipment (lubricants and grease)	chemcollabalternatives, Yes	dropdown	YesNo	
102	chemalternativefacops	All chemicals used to operate and maintain the facility	chemcollabalternatives, Yes	dropdown	YesNo	
103	chemcollabalternativesfile	Please upload documentation.	chemcollabalternatives, Yes	file		
104	chemanalysishumanenv	18. Does your facility contribute a chemical analysis against human and environmental hazard criteria (e.g., persistent, bio-accumulative, and toxic) to this alternatives process?	appChem, AppChem001	dropdown	YPNU	
105	chemanalysishumanenvfile	Please upload documentation.	chemanalysishumanenv, Yes	file		
106	chemanalysislifecycle	19. Does your facility contribute an analysis of lifecycle impacts to this alternatives process?	appChem, AppChem001	dropdown	YPNU	
107	chemanalysislifecyclefile	Please upload documentation.	chemanalysislifecycle, Yes	file		
108	chemtracelotnumber	20. Can your manufacturing process chemicals be traced from product lot number back to chemical lot number?	appChem, AppChem001	dropdown	YPNU	
109	chemtracelotnumberfile	Please upload documentation.	chemtracelotnumber, Yes	file		
110	chemdocumentedqa	21. Does your facility have a documented Quality Assurance (QA) Program that includes performance of chemicals?	appChem, AppChem001	dropdown	YPNU	
111	chemdocumentedqafile	Please upload documentation.	chemdocumentedqa, Yes	file		
112	chemcontractorsRSL	22. Do your contractors/subcontractors source already-approved or preferred chemicals from a positives list to replace chemicals not already included in RSL/MRSL?	appChem, AppChem001	dropdown	YPNU	
113	chemcontractorsRSLfile	Please upload documentation.	chemcontractorsRSL, Yes	file		
114	chemdocumentedgoals	23. Does your facility have documented business goals, processes and actions showing commitment (e.g., equipment, process, choice of substitute chemicals) to new sustainable chemistry innovation?	appChem, AppChem001	dropdown	YPNU	

Table 8: Chemicals *(continued)*

	REF ID	Question Text	Conditional	Answer Type	Option list	Foundation
115	chemdocumentedgoalscomms	Does your facility communicate its goals, processes and actions to Brands and Suppliers?	chemdocumentedgoals, Yes	dropdown	YesNoUnknown	
116	chemdocumentedgoalsfile	Please upload documentation.	chemdocumentedgoals, Yes	file		

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2.9 Verificationdetails

Table 9: verificationdetails

	REF ID	Question Text	Conditional	Answer Type	Option list	Foundation
1	veriftype	Verification Type (onsite/offsite)		dropdown	OnsiteOffsite	
2	verifcost	Verification Cost (USD)		number		
3	verifstartdate	Verification Start Date		date		
4	verifenddate	Verification End Date		date		
5	verifpersondays	Total Person Days		number		

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3 Option Lists

	AccessoriesPC	AdvancedTreat	AirEmissionsMonitor	AirEmissionsUnit	AirLevel
1	Handbags	Advanced Oxidation Processes (AOPs)	Continuously	TPY (tons per year)	Level 1: Foundational
2	Jewelry	Evaporation	Daily	mg/m3 (milligrams per cubic meter) – average	Level 2: Strategic
3	Belts	Electrocoagulation-Electroflocculation	Weekly	mg/m3 (milligrams per cubic meter) - max	Level 3: Aspirational
4	Ties	Membrane technologies – MF(Microfilter)/UF(Ultrafilter)/NF(Nanofilter)/RO(Reverse Osmosis)	Monthly	PPM (parts per million) – average	
5	Gloves	Thermal/membrane evaporation	Bimonthly	PPM (parts per million) - max	
6	Hats	Crystallization	Quarterly	lb/yr (pounds per year)	
7		Colour removal – Electrochemical oxidation/Fenton's reaction	Biannually		
8		Ozonation	Annually		
9		Ion exchange			
10		Photocatalytic Degradation			
11		Salt recovery			
12		Disinfection			

	ApparelPC	BaselineYear	BiologicalTreat	BoilerSize	ChemInventory
1	Baselayers	2020	Activated sludge	Small: Less than 50 MW	Chemical name and type
2	Dresses	2019	Sequential batch reactor (SBR)	Medium: 50-300 MW	Supplier/vendor name and type
3	Hosiery	2018	Trickling filters	Large: more than 300 MW	Safety Data Sheet (SDS), Global Harmonization System (GHS) compliant or equivalent
4	Jackets	2017	Rotating biological contactors		Function
5	Jerseys	2016	Submerged aerated filters		Hazard classification
6	Leggings & Tights	2015	Aerated biofilters		Where used
7	Pants	2014	Fluidized Bed		Storage conditions and location
8	Shirts	2013	Anaerobic digestion		Quantities (quantity of chemicals used)
9	Skirts	2012	UASB (Upflow Anaerobic Sludge Blanket) reactor		
10	Socks	2011	Membrane bioreactor (MBR)		
11	Sweaters	2010	Aerated ponds		
12	Swimsuits	2009			
13	T-shirt	2008			
14	Underwear	2007			
15		2006			
16		2005			
17		2004			
18		2003			
19		2002			
20		2001			
21		2000			

	ChemInventory2	ChemStorage	ChemTrain	ChemTrainingMRSL	ComplianceStatus
1	CAS number or numbers (when in a mixture)	Yes it has both chemical storage and temporary storage areas	Chemical hazards and identification	MRSL	In compliance
2	Lot numbers	Yes it only has chemical storage areas	MSDS/SDS	RSL	Out of compliance
3	MRSL compliance	No	Signage		
4	Purchase date	Unknown	Compatibility and risk		
5	Expiration dates (if applicable)		Proper storage and handling		
6			PPEs		
7			Procedure in case of emergency, accidents, or spill		
8			Access restriction to chemical storage areas		
9			Potential environmental impact of the chemicals in tanks		
10			The physical protection provided to employees in the area(s) where the factory uses, stores and transports these containers		
11			Individual duties associated with monitoring and maintaining this protection		

	Discharge	ElectronicsAssemb	ElectronicsCompProd	ElectronicsFacility	ElectronicsRawMat
1	Offsite Wastewater Treatment Plant	PCB assembly	Mounting/drilling	Product Assembly, sub-assemblies and final assembly	Plastics
2	Septic or Lagoon	Display Assembly	Die cutting/stamping	Components, electronic and electrical	Rubbers
3	Environment: Land	Mounting/drilling	Soldering	Raw Material Manufacturer	Metals
4	Environment: Water	Painting	Semiconductor production	Packaging manufacturer	Insulation Materials
5	Recycled / reused in the facility	Die cutting/stamping	Battery production	Other	Foams
6		Molding	Solar cell production		
7		Gluing	Transformer production		
8		Welding	Cable production		
9		Printing	Passive components		
10			Integrated circuit production		
11			Switch/Connector production		

	EmissionsUnit	EnvironmentalTopic	FacilityType	FacilityUnit	FlowUnit
1	g	Energy	Final Product Assembly	Square Yard	m3/second
2	kg	Water	Printing, Product Dyeing and Laundering	Meter	m3/minute
3	lb	Wastewater	Material Production (textile, rubber, foam, insulation, pliable materials)	Kilogram	m3/hour

(continued)

	EmissionsUnit	EnvironmentalTopic	FacilityType	FacilityUnit	FlowUnit
4	oz	Air Emissions	Hard Product Component & Trim Production (Plastic, Metal, Wood)	Unit (piece or pair)	m3/day
5	ton (metric)	Waste	Chemical & Raw Material Production	Cubic Meters	ft3/second
6	ton (short)	Chemicals Management	Packaging Production	SAM- Standard Allowed Minutes	ft3/minute
7			Other		ft3/hour
8					ft3/day
9					Not Applicable
10					Unknown

	FootwearPC	FreqSample	Frequency	HardGoodsPC	HazSludge
1	Boots (Non Steel Toe)	Annual	Continuously	Bikes	Yes
2	Boots (Steel Toe)	Semi-Annual	Daily	Camp Furniture	No
3	Cleats	Quarterly	Weekly	Climbing Gear	Unknown
4	Court Shoes	Greater than Monthly	Monthly	Food Containers	My sludge is not hazardous
5	Dress Shoes and Heels	Monthly	Bi-monthly	Other Hard Goods	
6	Other Athletic Shoes	Semi-monthly	Quarterly	Packs & Luggage	
7	Sandals		Annually	Sleeping Bags	
8	Sneakers			Sleeping Pads	
9				Tents & Shelters	
10				Watercraft	

	HazWasteUnit	HomeFurnishingsPC	HomeTexPC	IndustryProgram	IndustrySector
1	g	Board Games& Entertainment (Mahjong)	Blankets	1 Alliance for Water Stewardship Standard	Apparel
2	kg	Botanicals (Faux)	Comforters	2 Apparel Impact Institute Clean by Design (CbD)	Footwear
3	lb	Candlelight (Candles, Electric flameless candles)	Cushions	3 Apparel Impact Institute Clean by Design +	Home Textiles (includes bed linens, tablecloths, towels, cloth napkins, and similar products)
4	oz	Ceramic manufacture (Earthenware and Stoneware goods for tableware)	Duvets	4 Apparel Impact Institute Clean by Design Tier 1	Accessories (includes handbags, jewelry, belts, and similar products)
5	ton (metric)	Decorative Accessories (Hard goods & other Decor)	Duvet Covers	5 Apparel Impact Institute Clean by Design Chemistry & Wastewater	Home Furnishings
6	ton (short)	Frames	Kitchen Towels	6 Apparel Impact Institute Carbon Leadership	Hard Goods (includes bikes, tents, backpacks, luggage, coolers, climbing gear, watercraft, and and other equipment made of metal, plastic, or wood)
7	barrels (16 kg/ea)	Furniture	Lighting Shades	7 Apparel Impact Institute Renewable Energy Pilot	Electronics
8	CCF	Garden (Planters/Tools/Fountains)	Mats	8 Apparel Impact Institute Coal Phase Out	Toys
9	cu ft	Glassware/Plateware	Mattress Pads	9 Business Environmental Performance Initiative (BEPI)	Other
10	cu yard	Handcrafted Glass Decoratives and Wax Filled Glass & Metal Candle Pots	Napkins	10 bluesign Sytem Partner	

(continued)

	HazWasteUnit	HomeFurnishingsPC	HomeTexPC	IndustryProgram	IndustrySector
11	gal	Handicrafts items (made from Brass, Steel, Aluminum, Iron & wood, etc.)	Pillows	11 Cradle to Cradle Certified	
12	liter	Hearth & Fireplace (Tools/ Electric Fireplace/ Racks)	Place Mats	12 Eco-management and Audit Scheme (EMAS)	
13	m3	Home Fragrance	Quilts	13 Fair Wear Foundation	
14	Ml	Home Hardware (Knobs/Pulls, etc)	Rugs	14 Fashion for Good	
15		Kitchenware-Tools/Storage/ Butcher block, cutting boards, etc)	Shams	15 Forest Stewardship Council (FSC) Certificate	
16		Lighting Fixtures (Ceil-ing/Indoor/Outdoor)	Sheet Sets	16 GOTS	
17		Mirrors	Shower Curtains	17 Initiative for Compliance and Sustainability (ISC)	
18		Outdoor Gas Barbeques and Ovens for home	Slipcovers	18 IDH Race to the Top	
19		Light Duty Household Cleaning	Table Cloths	19 IFC PaCT	
20		Pet Accessories (Bedding, Sleash, etc.)	Towels	20 IPE	
21		Shade/Covers (Roman Shade, Honeycomb Shade, Roller Shade, Venetian Blinds, PVC Blinds, Chair Covers)	Upholstery	21 ISO 14001	
22		Rugs & Carpet	Window Curtains	22 ISO 50001	
23		Shelving		23 ITC Resource Efficiency and Circular Production	
24		Kitchen Soaps & Lotions		24 Leather Working Group Standard	
25		Home Décor		25 OekoTex Made in Green	
26		Wall Decor (Pinboards/ Chalkboards, etc)		26 OekoTex STeP	
27		Other		27 Responsible Business Alliance Validated Assessment Program (VAP) (previously known as EICC)	
28				28 Roundtable on Sustainable Palm Oil (RSPO) certification	
29				29 Science-Based Target Initiative	
30				30 Textile Exchange Global Recycled Standard	
31				31 Textile Exchange Organic Content Standard	
32				32 Textile Exchange Recycled Content Standard	
33				33 Textile Exchange RDS – Responsible Down Standard	
34				34 Textile Exchange RWS – Responsible Wool standard	
35				35 ZDHC Chemicals Gateway (with InCheck Report)	
36				36 ZDHC CleanChain	

(continued)

	HazWasteUnit	HomeFurnishingsPC	HomeTexPC	IndustryProgram	IndustrySector
37				37 ZDHC Supplier to Zero Program	
38				38 ZDHC Wastewater Gateway (latest wastewater test report uploaded on ZDHC Gateway)	
39				39 Other	

	LiquidEnergyUnit	MaterialBarriers	MaterialFoams	MaterialInsulation	MaterialLeather
1	kWh	BiComponent Coating	Ethylene-vinyl acetate (EVA) foam	Duck Down insulation	Cow leather
2	MJ	BiComponent Laminate	Polyethylene (PE) foam	Goose Down Insulation	Goat leather
3	mmBTU	Microporus Coating	Polyurethane (PU) foam	Polyester insulation	Kangaroo leather
4	BTU	Microporus Laminate		Sheep Wool insulation	Pig leather
5	Joule	Monolithic Coating			Sheep leather
6	cu ft	Monolithic Laminate			Plant-Based Materials
7	cu yard				
8	liter				
9	m3				
10	gal				
11	CCF				

	MaterialMetals	MaterialPlastics	MaterialRubbers	MaterialSynthLeath	MaterialTextiles
1	Aluminum	Acrylonitrile butadiene styrene (ABS) plastic	Butyl rubber	Polyurethane (PU) synthetic leather	Acetate, Triacetate fabric
2	Brass	Epoxy plastic	Chloroprene rubber (Neoprene)		Acrylic fabric
3	Chromium	Nylon/Polyamide (PA) plastic	Elastomeric polyurethane (PU) rubber		Alpaca
4	Copper	Poly(methyl methacrylate) (PMMA) (Acrylic) plastic	Foamed rubber		Aramid fabric
5	Gold	Polycarbonate (PC) plastic	Isoprene Rubber (IR)		Carbon fiber fabric
6	Iron	Polyester plastic	Natural Rubber (NR)		Elastane/Spandex fabric
7	Lead	Polyethylene (PE) plastic	Nitrile Rubber (NBR)		Glass fiber fabric
8	Nickel	Polylactic Acid (PLA) plastic	Polybutadiene rubber (BR)		Lyocell fabric
9	Platinum	Polypropylene (PP) plastic	Silicone rubber		Cashmere
10	Silver	Polysterene (PS) plastic	Styrene-butadiene rubber (SBR)		Cotton fabric
11	Steel	Polytetrafluoroethylene (PTFE) plastic	Thermoplastic elastomer (TPE)		Modal fabric
12	Tin	Polyurethane (PU) plastic			Nylon fabric
13	Titanium	Polyvinyl Acetate (PVA) plastic			Polyester fabric
14	Zinc	Silicone plastic			Polylactic Acid (PLA) fabric
15		Thermoplastic Polyurethane (TPU) plastic			Polypropylene (PP) fabric
16		Thermoset PU plastic			Silk fabric
17					Viscose/Rayon fabric
18					Wool fabric
19					Hemp fabric
20					Flax (Linen) Fabric
21					Jute fiber fabric

(continued)

	MaterialMetals	MaterialPlastics	MaterialRubbers	MaterialSynthLeath	MaterialTextiles
22					Polytrimethylene terephthalate (PTT) fabric
23					Polyuethane (PU) fabric

	MaterialWood	Method	NHSludge	NHWasteUnit	NormAbs
1	Cork	Meters	Hazardous Waste Treatment	g	Normalized
2	Wood	Invoices	Incinerated controlled conditions	kg	Absolute
3	Paper/cardboard	Estimates	Landfill	lb	
4			Open burning	oz	
5			Fuel Blended	ton (metric)	
6			Composted	ton (short)	
7			Fertilizer (applied to land)		

	NormAbsOther	OnsiteOffsite	OtherEnergyUnit	Ownership	PollutantReporting
1	Normalized	Onsite	kWh	Government-owned	Out of compliance with permit
2	Absolute	Offsite	MJ	Privately-owned	Not regulated by a permit
3	Other		mmBTU		
4			BTU		
5			Joule		

	Pollutants	Pretreat	PrimaryTreat	Problem	ProcessesChem
1	Particulate Matter <10 um (PM 10)	Screening/Seaving	Coagulation and Flocculation	0-3 months	Blending / Formulating
2	Particulate Matter <2.5 um (PM 2.5)	Ion Exchange resin Method	Dissolved Air Flotation (DAF)	0-6 months	Chemical Synthesis
3	Nitrogen Oxides (NOx)	Lime Softening	Primary Clarifier	6-12 months	Standardization / Chemical Finishing
4	Sulphur Oxides (SOx)	Sedimentation	Lamella Settling	1 year	Waste Treatment / Management Processes
5	Volatile Organic Compounds (VOCs) or Total Organic Carbon (TOC)	Filtration		1+ year	Dry Spinning (Fiber)
6	Ozone Depleting Substances (ODS)	Ultrafiltration			Wet Spinning (Fiber)
7	Hazardous or Toxic Air Pollutants (HAP/TAP)	Taste & Odor Control			Melt Spinning (Fiber)
8	Global Warming Gases (GWG)	pH Neutralization			
9	Ozone (O3)	Coagulation and Flocculation			
10	Carbon Monoxide (CO)	Dissolved Air Flotation (DAF)			
11	Ammonia (NH3)	Disinfection			
12	Other toxic air pollutants	RO			
13	Water vapor/steam	Static Screening			
14		Mechanical Screening			
15		Flow Equalization Tank/Basin /Flow segregation			

	ProcessesMaterials	ProcessesPkg	ProcessesPrintDye	ProcessesSewing	ProcessesTrim
1	Batch Dyeing (Jet / Rapid, Jig, Beam, Yarn Dye, etc)	Assembly (e.g. corrugated board)	Garment Dyeing	Bonding (Components)	Blending / Mixing
2	Bonding (Materials)	Converting raw materials (incoming paperboard or plastic resin)	Sublimation (Transfer) Printing	Buffing	Brushing / Buffing
3	Casting (Rubber / Foam)	Die cutting (e.g. cartons)	Wet roller printing	Cementing / Gluing	Casting (Plastic / Metal)
4	Coating	Extrusion (e.g. Plastic)	Screen Printing	Cooling / Chilling	Gluing (Trims / Components)
5	Compression Molding / Pressing	Gluing (Packaging)	Rotary Printing	Cutting or Skiving	Molding (Trims / Components)
6	Continuous Dyeing	Molding (plastic)	Wet processing/laundry (product)	Embossing	Painting
7	Cutting (Foam / Rubber)	Printing (Packaging)	Direct Digital Ink Printing	Embroidery	Powder Coating
8	Extrusion (e.g. Plastic)			Hammering / Beating	Pressing (Trims / Components)
9	Foaming			Heat Pressing	Staining (Wood)
10	Insulation: animal (down) processing			Heating / Drying	Polishing
11	Knitting			Hole Punching / Perforation	Laster etching/engraving
12	Lamination			Lasting	Heat Treatment (Metals)
13	Membrane / Film Manufacturing			Molding	
14	Mixing (EVA / Rubber / primer / glue)			No sew upper	
15	Non-woven processing (including insulation)			Packaging	
16	Preparation (Scouring, Bleaching, Sizing/Desizing, Etc.)			Pressing	
17	Rolling (EVA / Rubber)			Priming	
18	Synthetic Leather Production			Product Knitting	
19	Tanning (beam house or retannage)			Product Weaving	
20	Textile Chemical Finishing			Seam Taping	
21	Textile Mechanical Finishing (Calendaring, Napping, Shearing)			Setting	
22	Vulcanization			Sewing	
23	Washing (Materials)			Sundries Application	
24	Weaving			UV Lighting	
25	Yarn Spinning			Washing (Part)	
26				Welding	

	RefrigMethod	SecondTreat	SludgeDisp	SludgeTreat	SolidEnergyUnit
1	Measured	Activated Sludge	Sludge Thickening	Sludge thickening	g
2	Calculated Leakage Rate	Trickling filters	Mechanical Dewatering	Mechanical Dewatering	kg
3	Estimated	Submerged aerated filters	Secondary Sludge Digester	Secondary Sludge Digester	lb
4		Fluidized Bed	Sludge Drying	Sludge Drying	oz
5		UASB (Upflow Anaerobic Sludge Blanket) reactor			ton (metric)
6		Aerated ponds			ton (short)
7		SBR			cu ft
8		Rotating biological contactors			cu yard
9		Aerated Biofilters			liter
10		Anaerobic digestion			m3
11		Moving bed bio reactor (MBBR)			gal

(continued)

	RefrigMethod	SecondTreat	SludgeDisp	SludgeTreat	SolidEnergyUnit
12		Membrane bioreactor (MBR)			CCF
13					kWh
14					MJ
15					mmBTU
16					BTU
17					Joule

	Suppliers	TargetEnergyUnit	TargetYear	TertiaryTreat	TimeSpent
1	Chemical suppliers	g	2017	Sand Filtration	Full-time (100%)
2	Raw material suppliers	kg	2018	Fenton reactions	Half-time (50-99%)
3	Other suppliers	lb	2019	Membrane Filtration and reverse osmosis	Part-time (1-49%)
4		oz	2020	Absorption with activated carbon	Seasonal
5		ton (metric)	2021	Ozonation	Contract
6		ton (short)	2022	Ion Exchange	
7		cu ft	2023	Chemical disinfection	
8		cu yard	2024	UV(Ulitraviolet) disinfection	
9		liter	2025	Ozone disinfection	
10		m3	2026	High rate Filtration	
11		gal	2027	Activated carbon / Resin Adsorption	
12		CCF	2028		
13		kWh	2029		
14		MJ	2030		
15		mmBTU	2031		
16		BTU	2032		
17		Joule	2033		
18		%	2034		
19			2035		
20			2036		
21			2037		
22			2038		
23			2039		
24			2040		
25			2041		
26			2042		
27			2043		
28			2044		
29			2045		
30			2046		
31			2047		
32			2048		
33			2049		
34			2050		

	ToyFacility	ToysPC	ToysPrintDye	ToysProdAssemb	ToysRawMat
1	Product Assembly	Action toys (with noise/sound)	Parts molding, injection or blow	PCB assembly	Plastics
2	Component and parts manufacturing, including molding	Bath Toys	Shaping/shaving	Display Assembly	Rubbers
3	Raw Material Manufacturing	Dollhouses	Die cutting/stamping	Mounting/drilling	Metals
4	Other	Dolls (Hard, Soft)	Painting	Painting	Insulation Materials
5		Dress Up	Dyeing	Die cutting/stamping	Foams
6		Educational/Developmental		Molding	Leather
7		Toy Kitchen and Accessories		Gluing	Synthetic Leather
8		Outdoor Toys (Water sprinklers, Inflatables, Swim gear, Sand Toys)		Welding	Wood/wood products

(continued)

	ToyFacility	ToysPC	ToysPrintDye	ToysProdAssemb	ToysRawMat
9		Playmats & Activitay gyms		Printing	
10		Plush Rockers		Sewing	
11		Ride On's		Sundries Application	
12		Stuffed Toys		Washing	
13		Wooden Toys		Embroidery	
14		Lego / Blocks		Cutting/trimming	
15		Other			

	TrackingMethod	Vbtype	WasteDisposal	WasteSourcesH	WasteSourcesNH
1	Measured	2nd Party	Reuse	Empty chemical drums and containers	Materials
2	Invoices	3rd Party	Recycle	Film and Printing Frame	Metal
3	Estimates		Energy recovery	Wastewater treatment sludge (Hazardous)	Plastic
4			Incineration	Expired/unused/used chemicals (waste oil, solvents, reactants, etc.)	Paper
5			On-site incineration	Compressed gas cylinders (refrigerants, etc.)	Cans
6			Landfill	Contaminated materials	Food
7			On-site landfill/dumping	Batteries	Glass
8			Physical/chemical/biological treatment	Fluorescent light bulb	Cartons
9			Upcycle	Ink cartridges	Wastewater treatment sludge (Non-Hazardous)
10			Other	Waste oil and grease (from cooking)	Other
11				Empty containers (cleaning, sanitizing, pesticides, etc.)	General or unspecified waste
12				Electronic waste	
13				Coal combustion residuals (fly ash and bottom ash/coal slag)	
14				Other	

	WasteTraining	WasteUnit	WastewaterUnits	WaterRedUnit	WaterRiskTool
1	Proper handling	Kilograms	mg/L	CCF	WRI Aqueduct Tool
2	Storage and disposal techniques and procedures	Liters	microgram(µg)/L	cu ft	WWF Water Risk
3	Specific operational procedures for waste minimization	Tons	nanometer	cu yard	
4	Use of personal protective equipment		Celcius	gal	
5	Other		bacteria/100 ml	liter	
6				m3	
7				Ml	

	WaterUnit	WeighedEst	WW_2	WW_3	WW_4
1	CCF	Weighed	Together	Treated onsite only and discharged to the environment after treatment	Treated onsite only
2	cu ft	Estimated	Separately	Treated offsite only	Treated offsite only

(continued)

	WaterUnit	WeighedEst	WW_2	WW_3	WW_4
3	cu yard	Unknown		Treated onsite and offsite	Treated onsite and offsite
4	gal			Sent to a septic system	Not treated
5	liter			Not treated	
6	m3				
7	Ml				

	WWLimitUnits	WWOtherlist	wwsiteperm	WWStandardlist	YesNo
1	5 microgram(µg/L)	Yes	Yes	ZDHC Wastewater Guideline	Yes
2	0.2 microgram(µg/L)	No, I have tested and did not meet one or more parameter limits	No	BSR	No
3	0.5 microgram(µg/L)		A wastewater permit is not required	IPE	
4	0.1 microgram(µg/L)			Customer/Brand	
5	500 microgram(µg/L)			Other	
6	50 microgram(µg/L)				
7	1 microgram(µg/L)				
8	0.01 microgram(µg/L)				
9	10 microgram(µg/L)				

	YesNoNA	YesNoNottested	YesNoUNA	YesNoUnknown	YPNU
1	Yes	Yes	Yes	Yes	Yes
2	No	No	No	No	Partial Yes
3	Not Applicable	Not tested within the past 12 months	Unknown	Unknown	No
4			Not Applicable		Unknown

	YPNUNA	ZDHC	ZDHCLevel	ZDHCLevel2	ZDHCParam
1	Yes	Yes, I have tested and MET at least the FOUNDATIONAL limits for all parameters listed in Table 1 Conventional Parameters in ZDHC Wastewater Guidelines	Foundational	Foundational	Yes, there is NO detection of parameters in Table 2A-N Priority Groups identified in my facility's wastewater report
2	Partial Yes	No, I have tested and did not meet one or more parameter limits	Progressive	Progressive	No, one or more parameters in Table 2A-N Priority Groups is detected in my facility's wastewater
3	No		Aspirational	Aspirational	
4	Unknown			Not Applicable	
5	Not Applicable				

Country options:

Afghanistan, Albania, Algeria, American Samoa, Andorra, Angola, Anguilla, Antarctica, Antigua and Barbuda, Argentina, Armenia, Aruba, Australia, Austria, Azerbaijan, Bahamas, The, Bahrain, Bangladesh, Barbados, Belarus, Belgium, Belize, Benin, Bermuda, Bhutan, Bolivia, Bosnia and Herzegovina, Botswana, Bouvet Island, Brazil, British Indian Ocean Territory, British Virgin Islands, Brunei, Bulgaria, Burkina Faso, Burma, Burundi, Cambodia, Cameroon, Canada, Cape Verde, Cayman Islands, Central African Republic, Chad, Chile, China, Christmas Island, Cocos (Keeling) Islands, Colombia, Comoros, Congo, Democratic Republic of the, Congo, Republic of the, Cook Islands, Costa Rica, Cote d'Ivoire, Croatia, Cuba, Curacao, Cyprus, Czech Republic, Denmark, Djibouti, Dominica, Dominican Republic, Ecuador, Egypt, El Salvador, Equatorial Guinea, Eritrea,

Estonia, Ethiopia, Falkland Islands (Islas Malvinas), Faroe Islands, Fiji, Finland, France, France, Metropolitan, French Guiana, French Polynesia, French Southern and Antarctic Lands, Gabon, Gambia, The, Gaza Strip, Georgia, Germany, Ghana, Gibraltar, Greece, Greenland, Grenada, Guadeloupe, Guam, Guatemala, Guernsey, Guinea, Guinea-Bissau, Guyana, Haiti, Heard Island and McDonald Islands, Holy See (Vatican City), Honduras, Hong Kong, China, Hungary, Iceland, India, Indonesia, Iran, Iraq, Ireland, Isle of Man, Israel, Italy, Jamaica, Japan, Jersey, Jordan, Kazakhstan, Kenya, Kiribati, Korea, North, Korea, South, Kosovo, Kuwait, Kyrgyzstan, Laos, Latvia, Lebanon, Lesotho, Liberia, Libya, Liechtenstein, Lithuania, Luxembourg, Macau, Macedonia, Madagascar, Malawi, Malaysia, Maldives, Mali, Malta, Marshall Islands, Martinique, Mauritania, Mauritius, Mayotte, Mexico, Micronesia, Federated States of, Moldova, Monaco, Mongolia, Montenegro, Montserrat, Morocco, Mozambique, Namibia, Nauru, Nepal, Netherlands, New Caledonia, New Zealand, Nicaragua, Niger, Nigeria, Niue, Norfolk Island, Northern Mariana Islands, Norway, Oman, Pakistan, Palau, Panama, Papua New Guinea, Paraguay, Peru, Philippines, Pitcairn Islands, Poland, Portugal, Puerto Rico, Qatar, Reunion, Romania, Russia, Rwanda, Saint Barthelemy, Saint Helena, Ascension, and Tristan da Cunha, Saint Kitts and Nevis, Saint Lucia, Saint Martin, Saint Pierre and Miquelon, Saint Vincent and the Grenadines, Samoa, San Marino, Sao Tome and Principe, Saudi Arabia, Senegal, Serbia, Seychelles, Sierra Leone, Singapore, Sint Maarten, Slovakia, Slovenia, Solomon Islands, Somalia, South Africa, South Georgia and the Islands, South Sudan, Spain, Sri Lanka, Sudan, Suriname, Svalbard, Swaziland, Sweden, Switzerland, Syria, Taiwan, China, Tajikistan, Tanzania, Thailand, Timor-Leste, Togo, Tokelau, Tonga, Trinidad and Tobago, Tunisia, Turkey, Turkmenistan, Turks and Caicos Islands, Tuvalu, Uganda, Ukraine, United Arab Emirates, United Kingdom, United States, United States Minor Outlying Islands, Uruguay, Uzbekistan, Vanuatu, Venezuela, Vietnam, Virgin Islands, Wallis and Futuna, West Bank, Western Sahara, Yemen, Zambia, Zimbabwe

4 Tables

	1	2	3	4	5
1	Fresh Surface Water	Fresh Surface Water	Fresh Surface Water	Fresh Surface Water	Coal- commerical mix
2	Rainwater	Rainwater	Rainwater	Rainwater	Biomass- general
3	Groundwater	Groundwater	Groundwater	Groundwater	Biomass- wood
4	Produced/Process Water	Produced/Process Water	Produced/Process Water	Produced/Process Water	Natural Gas
5	Municipal Water	Municipal Water	Municipal Water	Municipal Water	LNG- liquid natural gas
6	Wastewater from another organization	Wastewater from another organization	Wastewater from another organization	Wastewater from another organization	Diesel
7	Brackish surface water/seawater	Brackish surface water/seawater	Brackish surface water/seawater	Brackish surface water/seawater	Fuel oil- blended average
8	Water- general or unknown origin	Water- general or unknown origin	Water- general or unknown origin	Water- general or unknown origin	LPG- liquid petroleum gas
9					Petrol
10					Propane
11					Biodiesel
12					Solar Photovoltaic
13					Wind
14					Geothermal
15					Hydro
16					Electricity
17					Micro-Hydro
18					Solar Thermal
19					Steam (purchased)
20					Chilled water
21					Purchased Renewables

	6	7	8	9	25
1	Coal- commerical mix	Coal- commerical mix	Coal- commerical mix	GHG Reduction Target	Ammonium-N
2	Biomass- general	Biomass- general	Biomass- general		Antimony
3	Biomass- wood	Biomass- wood	Biomass- wood		AOX
4	Natural Gas	Natural Gas	Natural Gas		Arsenic
5	LNG- liquid natural gas	LNG- liquid natural gas	LNG- liquid natural gas		BOD5
6	Diesel	Diesel	Diesel		Cadmium
7	Fuel oil- blended average	Fuel oil- blended average	Fuel oil- blended average		Chromium (VI)
8	LPG- liquid petroleum gas	LPG- liquid petroleum gas	LPG- liquid petroleum gas		Chromium, total
9	Petrol	Petrol	Petrol		Cobalt
10	Propane	Propane	Propane		COD
11	Biodiesel	Biodiesel	Biodiesel		Coliform [bacteria/100 ml]
12	Solar Photovoltaic	Solar Photovoltaic	Solar Photovoltaic		Colour [m-1] (436nm; 525; 620nm)
13	Wind	Wind	Wind		Copper
14	Geothermal	Geothermal	Geothermal		Cyanide
15	Hydro	Hydro	Hydro		Lead
16	Electricity	Electricity	Electricity		Mercury
17	Micro-Hydro	Micro-Hydro	Micro-Hydro		Nickel
18	Solar Thermal	Solar Thermal	Solar Thermal		Oil and Grease
19	Steam (purchased)	Steam (purchased)	Steam (purchased)		Persistent Foam
20	Chilled water	Chilled water	Chilled water		pH
21	Purchased Renewables	Purchased Renewables	Purchased Renewables		Phenol
22					Silver
23					Sulfide
24					Sulfite
25					Temperature [ÂºC]
26					Total-N
27					Total-P
28					TSS
29					Zinc

(continued)

	6	7	8	9	25
30					Nonylphenol (NP), mixed isomers
31					Octylphenol (OP), mixed isomers
32					Octylphenol ethoxylates (OPEO)
33					Nonylphenol ethoxylates (NPEO)
34					Other

	26	27	29	30	31
1	Stack	Yarn spinning or synthetic fiber manufacturing	Stack	Yarn spinning or synthetic fiber manufacturing	Materials
2	Vent	Finishes	Vent	Finishes	Metal
3	Heating and ventilation	Solvents	Heating and ventilation	Solvents	Plastic
4	Refrigerant device	Adhesives/cementing	Refrigerant device	Adhesives/cementing	Paper
5	Air conditioning	Printing	Air conditioning	Printing	Cans
6	Other sources of known air emissions from facility operations	Dyeing	Other sources of known air emissions from facility operations	Dyeing	Food
7		Tenter frames or other heating processes		Tenter frames or other heating processes	Glass
8		Spot cleaners		Spot cleaners	Cartons
9		Sprayed chemicals or paints		Sprayed chemicals or paints	Other
10		Other sources of ozone depleting substances (ODSs)		Other sources of ozone depleting substances (ODSs)	General or unspecified waste

	32	33	34	35	36
1	Empty chemical drums and containers	Reuse	Materials	Empty chemical drums and containers	Reuse
2	Film and Printing Frame	Recycle	Metal	Film and Printing Frame	Recycle
3	Wastewater treatment sludge (industrial/domestic)	Energy recovery	Plastic	Wastewater treatment sludge (industrial/domestic)	Energy recovery
4	Expired/unused/used chemicals (waste oil, solvents, reactants, etc.)	Incineration	Paper	Expired/unused/used chemicals (waste oil, solvents, reactants, etc.)	Incineration
5	Compressed gas cylinders (refrigerants, etc.)	On-site incineration	Cans	Compressed gas cylinders (refrigerants, etc.)	On-site incineration
6	Contaminated materials	Landfill	Food	Contaminated materials	Landfill
7	Batteries	On-site landfill/dumping	Glass	Batteries	On-site landfill/dumping
8	Fluorescent light bulb	Physical/chemical/biological treatment	Cartons	Fluorescent light bulb	Physical/chemical/biological treatment
9	Ink cartridges	Upcycle	Other	Ink cartridges	Upcycle
10	Waste oil and grease (from cooking)	Other	General or unspecified waste	Waste oil and grease (from cooking)	Other
11	Empty containers (cleaning, sanitizing, pesticides, etc.)			Empty containers (cleaning, sanitizing, pesticides, etc.)	
12	Electronic waste			Electronic waste	
13	Coal combustion residuals (fly ash and bottom ash/coal slag)			Coal combustion residuals (fly ash and bottom ash/coal slag)	
14	Other			Other	

	37	38	39	40	41
1	Materials	Empty chemical drums and containers	Reuse	Water use	Industrial Wastewater
2	Metal	Film and Printing Frame	Recycle	Water discharge	Domestic Wastewater
3	Plastic	Wastewater treatment sludge (industrial/domestic)	Energy recovery	Wastewater treatment	Combined Wastewater
4	Paper	Expired/unused/used chemicals (waste oil, solvents, reactants, etc.)	Incineration	Chemical use and management	
5	Cans	Compressed gas cylinders (refrigerants, etc.)	On-site incineration	Air emissions	
6	Food	Contaminated materials	Landfill	Solid waste discharge	
7	Glass	Batteries	On-site landfill/dumping	Other environmental permits	
8	Cartons	Fluorescent light bulb	Physical/chemical/biological treatment		
9	Other	Ink cartridges	Upcycle		
10	General or unspecified waste	Waste oil and grease (from cooking)	Other		
11		Empty containers (cleaning, sanitizing, pesticides, etc.)			
12		Electronic waste			
13		Coal combustion residuals (fly ash and bottom ash/coal slag)			
14		Other			

	42	43	44	45	46
1	Employee 1	Materials	Empty chemical drums and containers	ZDHC Wastewater Guideline	Table 2A: Alkylphenol (AP) and Alkylphenol Ethoxylates (APEOs): Including All Isomers
2	Employee 2	Metal	Film and Printing Frame	BSR	Table 2B: Chlorobenzenes and Chlorotoluenes
3	Employee 3	Plastic	Wastewater treatment sludge (industrial/domestic)	IPE	Table 2C: Chlorophenols
4	Employee 4	Paper	Expired/unused/used chemicals (waste oil, solvents, reactants, etc.)	Customer/Brand	Table 2D: Dyes – Azo (Forming Restricted Amines)
5	Employee 5	Cans	Compressed gas cylinders (refrigerants, etc.)	Other	Table 2E: Dyes – Carcinogenic or Equivalent Concern
6	Employee 6	Food	Contaminated materials		Table 2F: Dyes – Disperse (Sensitising)
7		Glass	Batteries		Table 2G: Flame Retardants
8		Cartons	Fluorescent light bulb		Table 2H: Glycols
9		Wastewater treatment sludge (Non-Hazardous)	Ink cartridges		Table 2I: Halogenated Solvents
10		Other	Waste oil and grease (from cooking)		Table 2J: Organotin Compounds
11		General or unspecified waste	Empty containers (cleaning, sanitizing, pesticides, etc.)		Table 2K: Ionic Polyfluorinated Chemicals (PFCs)
12			Electronic waste		Table 2K: Non-Ionic Polyfluorinated Chemicals (PFCs)
13			Coal combustion residuals (fly ash and bottom ash/coal slag)		Table 2L: Ortho-Phthalates - including all ortho esters of phthalic acid
14			Other		Table 2M: Polycyclic Aromatic Hydrocarbons (PAHs)

(continued)

42	43	44	45	46
15				Table 2N: Volatile Organic Compounds (VOC)

	47	48
1	Industrial Wastewater	Alliance for Water Stewardship Standard
2	Domestic Wastewater	Apparel Impact Institute Clean by Design (CbD)
3	Combined Wastewater	Apparel Impact Institute Clean by Design +
4		Apparel Impact Institute Clean by Design Tier 1
5		Apparel Impact Institute Clean by Design Chemistry & Wastewater
6		Apparel Impact Institute Carbon Leadership
7		Apparel Impact Institute Renewable Energy Pilot
8		Apparel Impact Institute Coal Phase Out
9		Business Environmental Performance Initiative (BEPI)
10		bluesign Sytem Partner
11		Cradle to Cradle Certified
12		Eco-management and Audit Scheme (EMAS)
13		Fair Wear Foundation
14		Fashion for Good
15		Forest Stewardship Council (FSC) Certificate
16		GOTS
17		Initiative for Compliance and Sustainability (ISC)
18		IDH Race to the Top
19		IFC PaCT
20		IPE
21		ISO 14001
22		ISO 50001
23		ITC Resource Efficiency and Circular Production
24		Leather Working Group Standard
25		OekoTex Made in Green
26		OekoTex STeP
27		Responsible Business Alliance Validated Assessment Program (VAP) (previously known as EICC)
28		Roundtable on Sustainable Palm Oil (RSPO) certification
29		Science-Based Target Initiative

(continued)

47	48
30	Textile Exchange Global Recycled Standard
31	Textile Exchange Organic Content Standard
32	Textile Exchange Recycled Content Standard
33	Textile Exchange RDS – Responsible Down Standard
34	Textile Exchange RWS – Responsible Wool standard
35	ZDHC Chemicals Gateway (with InCheck Report)
36	ZDHC CleanChain
37	ZDHC Supplier to Zero Program
38	ZDHC Wastewater Gateway (latest wastewater test report uploaded on ZDHC Gateway)
39	Other