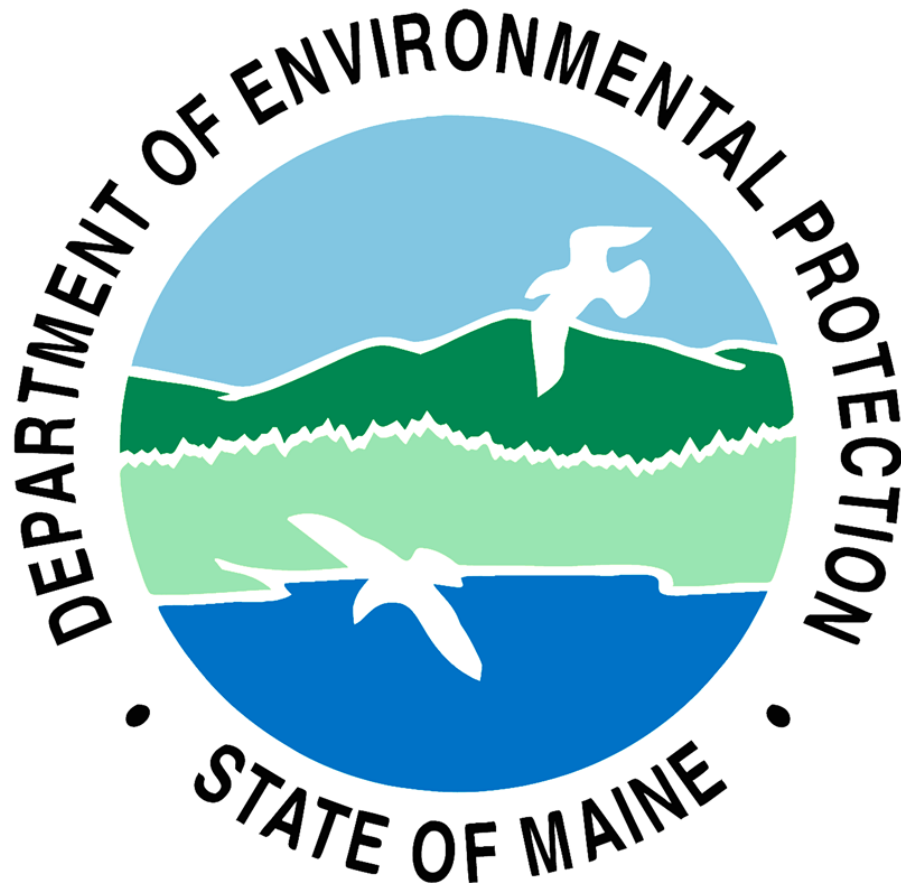


Automating Maine's TRI Flow & Integrating It Into EFIS



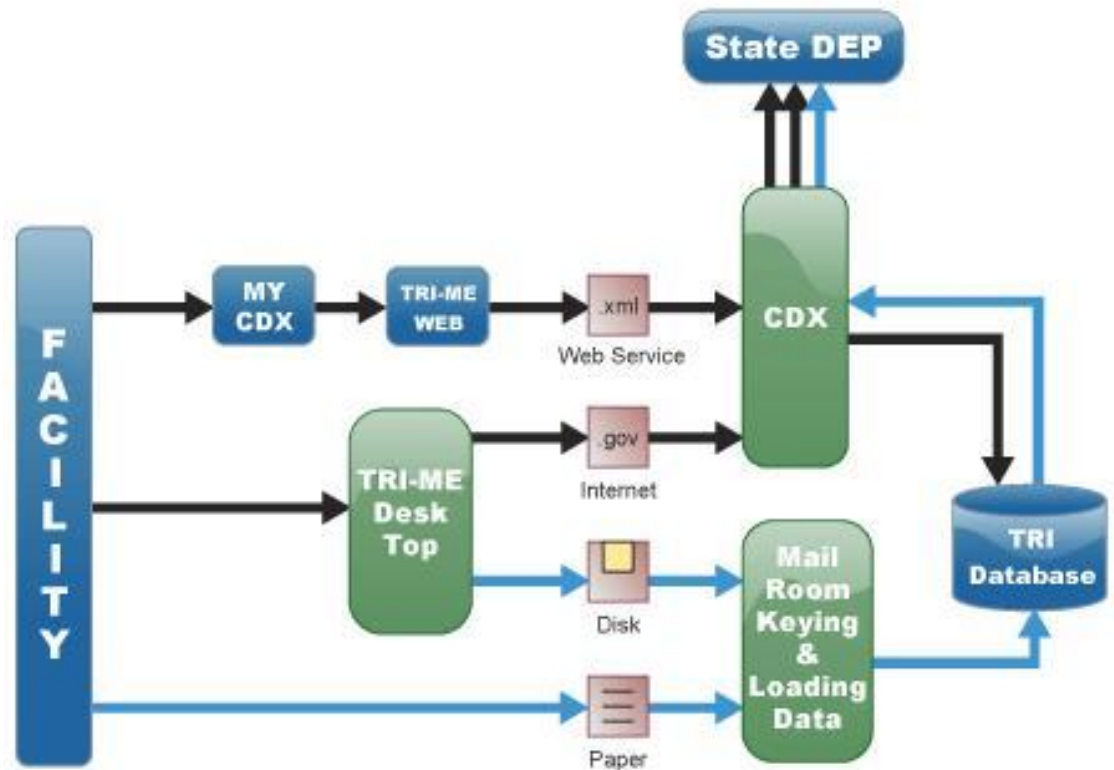


Technology is about 20 percent of the solution; understanding content and having good processes and people in place working through the culture [is] the other 80 percent.

**Larry Chait, “The Knowledge Paradox:
How to Manage Your Most Strategic Asset”
1999**

Maine's TRI Flow

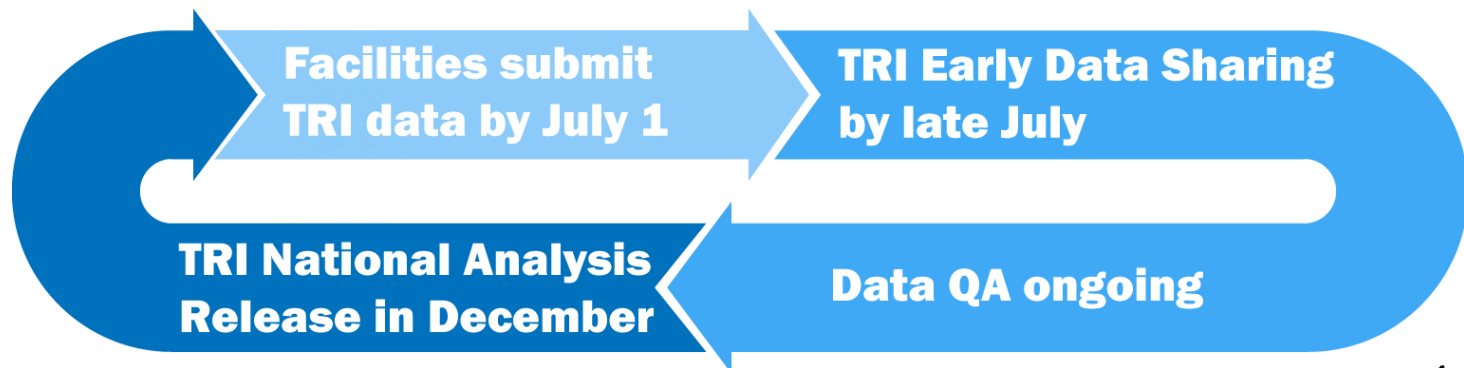
- Why
- What
- Benefits
- Challenges
- Next steps





Why

- Eliminate dependence on paper files
- Reduce reporting burden on facilities
- Close to real-time receipt of filings
- Make data accessible to DEP staff
- Get green!



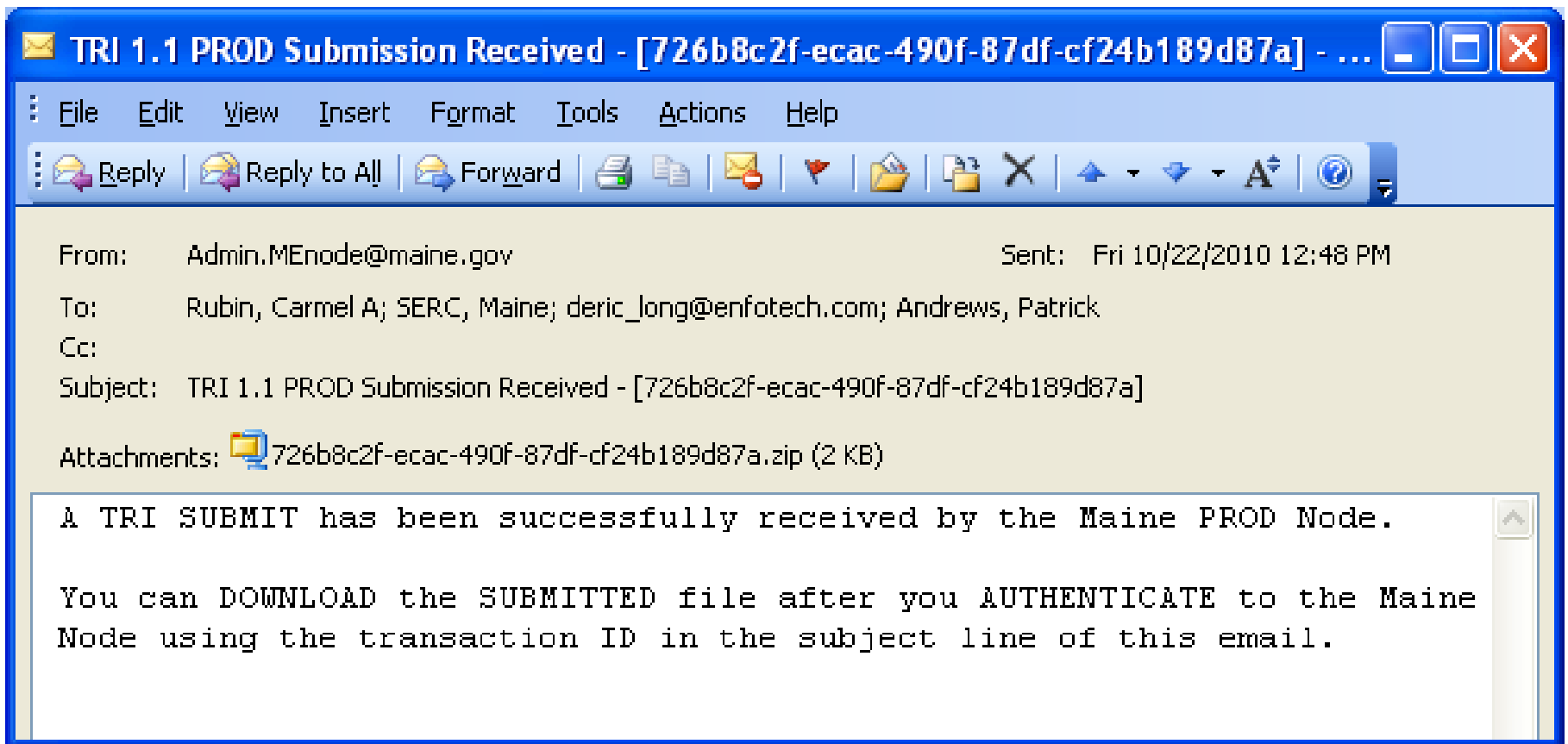


What

- Data from facilities rec'd at CDX
- CDX sends XML file to Maine Node
- Maine Node generates email with XML file attached and emails Maine Emergency Management Agency (MEMA)
- Incoming XML files also placed into staging table
- Data parsed from staging table into EFIS
- Data available in Maine's integrated system



Benefits



```

<?xml version="1.0" encoding="utf-8" ?>
- <TRI:TRI xmlns:TRI="http://www.exchangenetwork.net/schema/TRI/4" xmlns:sc="urn:us:net:exchangenetwork:sc:1:0"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:schemaLocation="http://www.exchangenetwork.net/schema/TRI/4
  http://www.exchangenetwork.net/schema/TRI/4/index.xsd">
- <TRI:Submission>
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- <TRI:Facility>
  <TRI:FacilityIdentifier FacilitySiteIdentifierContext="TRIME-WEB">04416CHMPNMAINS</TRI:FacilityIdentifier>
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  <sc:LocalityName>BUCKSPORT</sc:LocalityName>
- <sc:StateIdentity>
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</TRI:Facility>
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```

TRIME Form - Windows Internet Explorer

C:\Documents and Settings\carmel.a.rubin\Desktop\XML\TRI000220101022113648CINTYABAILEY.xml

TRI data flow

Favorites Home - InOutBoard Citrix Access Platf... dep intranet - Home dep intranet - Home US EPA TRI State Data eX... TRIME Form

Page Safety Tools

TRI Facility ID Number: 04416CHMPNMAINS
Toxic Chemical, Category or Generic Name: Certain Glycol Ethers

FORM A

Part I. FACILITY IDENTIFICATION INFORMATION

SECTION 1. REPORTING YEAR : 2008

SECTION 2. TRADE SECRET INFORMATION

2.1
Are you claiming the toxic chemical identified on page 2 trade secret?: No

SECTION 3. CERTIFICATION

Name of owner/operator or senior management official: Michael Haws
Title: Mill Manager

SECTION 4. FACILITY IDENTIFICATION

4.1
TRI Facility ID Number: 04416CHMPNMAINS
Facility or Establishment Name: VERSO PAPER Bucksport Mill
Address: RIVER RD
City/State/Zip: BUCKSPORT, ME,044161200
County: Hancock

Facility or Establishment Name or Mailing Address: NA

4.2
This report contains information for:

- An entire facility

4.3
Technical Contact Name: CINTYA BAILEY
Email Address: CINTYA.BAILEY@VERSOPAPER.COM
Telephone Number: 2074691679

EFIS - Environmental Facility Information System									
File Edit Data Entry Tasks Permits Documents Reports Tools Admin Exit All Help Window									
Company Update for DEXTER SHOE COMPANY									
Full Name DEXTER SHOE COMPANY				Created OCT 30, 2008		By RUBIN, CARMEL A			
Short Name Dexter Shoe Company				Updated OCT 30, 2008		By RUBIN, CARMEL A			
Parent <input type="text"/> D									
Facility ID FN0000003131				Prog. Area Notifications					
Type <input type="text"/>				BAQ - Licensing					
Ownership Corporation				<input type="text"/>					
<input type="checkbox"/> Secure? <input type="text"/>				<input type="text"/>					
<input checked="" type="checkbox"/> Active		Co. Status Good Standing		Status Date OCT 30, 2008		Bus. Started Date NOV 01, 1993			
Business Address		Attention <input type="text"/>		Status Active					
Line 1		71 RAILROAD AVE							
Line 2		<input type="text"/>							
City		DEXTER		State ME		ZIP Code 04930-2056			
County		Penobscot		District EMRO - Bangor		Region <input type="text"/>			
Country		United States		Remarks <input type="text"/>				E	
Bus. Phone 207-924-7341		Ext. <input type="text"/>		Status Active		Remarks <input type="text"/>		E	
Legal Status <input type="text"/>		Status Date <input type="text"/>		Date Filed <input type="text"/>		Bankruptcy <input type="text"/>			
Permits		Other Addresses		Other Phones		Other Names/ID's		Additional Info	
History		Notes		Tasks		Co. Owned			
Location		Enf. Actions		Violations		Objects		Documents	
Relations		Account		Date Events		Monitoring Reports		Incidents	
CERCLIS		PCS		TRI EPA		EnviroMapper		Map	
Emissions Inv		TRI State							
Record: 1/1 <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>									

EFIS - Environmental Facility Information System												
File Edit Data Entry Tasks Permits Documents Reports Tools Admin Exit All Help Window												
<div>TRI Number Selection</div> <div>TRI Number: 04930DXTRSRAILR 04930DXTRSWATER 04463DXTRSPARKS 04976DXTRSMILLS <div>Select</div></div> <div>COMPANY</div> <div>Created OCT 30, 2008 By RUBIN, CARMEL A Updated OCT 30, 2008 By RUBIN, CARMEL A</div> <div>Prog. Area Notifications BAQ - Licensing</div> <div><input type="checkbox"/> Secure?</div> <div><input checked="" type="checkbox"/> Active Co. Status Good Standing Status Date OCT 30, 2008 Bus. Started Date NOV 01, 1993</div> <div>Business Address Attention Line 1 71 RAILROAD AVE Line 2 City DEXTER State ME ZIP Code 04930-2056 County Penobscot District EMRO - Bangor Region Country United States Remarks History</div> <div>Bus. Phone 207-924-7341 Ext. Status Active Remarks</div> <div>Legal Status Status Date Date Filed Bankruptcy</div> <div>Permits Other Addresses Other Phones Other Names/ID's Additional Info History Notes Tasks Co. Owned Location Enf. Actions Violations Objects Documents Relations Account Date Events Monitoring Reports Incidents CERCLIS PCS TRI EPA EnviroMapper Map Emissions Inv TRI State</div> <div>Record: 1/4 <OSC> <DBG></div>												



http://oaspub.epa.gov/enviro/tris_control.tris_print?tris_id=04930DXTRSRAILR



TRI data flow


[Home - InO...](#)
[Citrix Acces...](#)
[dep intrane...](#)
[C:\Docume...](#)
[US EPA TRI State D...](#)
[TRIME Form](#)
[C:\Docume...](#)
[US EPA | E...](#)


U.S. ENVIRONMENTAL PROTECTION AGENCY

Toxics Release Inventory (TRI)

[Share](#)[Recent Additions](#) | [Contact Us](#) |Search: ☐ All EPA ☒ This Area GoYou are here: [EPA Home](#) » [Envirofacts](#) » [TRI](#) » Envirofacts Report

Envirofacts Report

[Report an Error](#)

Query executed on FEB-11-2011
Results are based on data extracted on SEP-27-2010

Click on "View Facility Information" to view EPA Facility information for the facility.

Facility Name:	DEXTER SHOE CO. PLANT #5	Mailing Name:	DEXTER SHOE CO. PLANT #5	
Address:	71 RAILROAD AVE. DEXTER ME 049301299	Mailing Address:	71 RAILROAD AVE. DEXTER ME 04930-1299	
County:	PENOBSCOT	Region:	1	
Facility Information:	View Facility Information	TRI ID:	04930DXTRSRAILR	DUNS Number: 001101435
TRI Preferred Latitude:	45.009722	FRS ID	110000771852	
Public Contact:	STEPHEN LEWIS - HUMAN RESOURCES	TRI Preferred Longitude:	69.295	
Parent Company:	BERKSHIRE HATHAWAY INC	Phone:	2079247341	
Parent DUNS:	001024314			

Adobe Acrobat Professional - [TRISTATE Form A.pdf]

File Edit View Document Comments Tools Advanced Window Help

Maine DEP

Toxics Release Inventory (TRI)

<u>Facility Name</u>	RUMFORD PAPER CO	<u>Mailing Name</u>	RUMFORD PAPER CO
<u>Address</u>	35 HARTFORD ST	<u>Mailing Addr</u>	35 HARTFORD ST
	RUMFORD, ME 04276		RUMFORD, ME 04276
<u>County</u>	OXFORD	<u>TRI ID</u>	04276BSCSCROUTE
<u>Latitude</u>		<u>DUNS Number</u>	001095014
<u>Public Contact</u>	JANET HALL	<u>Longitude</u>	
<u>Parent Company</u>	NEWPAGE CORP	<u>PC Phone</u>	2073692298
<u>Submission Reporting Year</u>	2009	<u>Parent DUNS</u>	197533446
<u>SIC Code(s)</u>			
		<u>NAICS Code(s)</u>	
		322110	
		322121	

**Total Aggregate Releases of TRI Chemicals excluding Dioxin and Dioxin-like Compounds
(Measured in Pounds)**

<u>Air Emissions</u>	953839.9
<u>Surface Water Discharges</u>	156801.7
<u>Releases to Land</u>	NR
<u>Underground Injection</u>	NR
<u>Total On-Site Releases</u>	1110641.6
<u>Transfer Off-Site to Disposal</u>	203427.29
<u>Total Releases</u>	1314068.89

1 of 6

Toxics Release Inventory (TRI)

TRI Chemicals Reported on Form A:

The facility has certified that for each chemical listed below, the annual release did not exceed 500 pounds for the reporting year listed and the listed chemical was not manufactured, processed, or otherwise used in an amount exceeding 1 million pounds in the reporting year. Form A can not be filed for PBT chemicals (except certain instances of reporting lead in stainless steel, brass, or bronze alloys).

Chemical Name

TRI Chemical ID

Amount

Names and Amounts of Chemicals Released to the Environment

<u>Chemical Name</u>	<u>TRI Chemical ID</u>	<u>Medium</u>	<u>Unit Of Measure</u>	<u>Amount</u>
ACETALDEHYDE	75070	AIR FUG	Pounds	1279
ACETALDEHYDE	75070	AIR STACK	Pounds	22077
ACETALDEHYDE	75070	WATER	Pounds	293
AMMONIA	7664417	AIR FUG	Pounds	25
AMMONIA	7664417	AIR STACK	Pounds	69426
BARIUM COMPOUNDS	N040	AIR STACK	Pounds	46
BENZO(G,H,I)PERYLENE	191242	AIR STACK	Pounds	.8
BENZO(G,H,I)PERYLENE	191242	WATER	Pounds	3.3
CATECHOL	120809	WATER	Pounds	48
CHLORINE	7782505	AIR FUG	Pounds	5
CHLORINE	7782505	AIR STACK	Pounds	168
CHLORINE DIOXIDE	10049044	AIR FUG	Pounds	5
CHLORINE DIOXIDE	10049044	AIR STACK	Pounds	140
COBALT COMPOUNDS	N096	AIR STACK	Pounds	12
COPPER COMPOUNDS	N100	AIR STACK	Pounds	42
DIOXIN AND DIOXIN-LIKE COMPOUNDS	N150	AIR STACK	Grams	1.1549
FORMIC ACID	64186	WATER	Pounds	215
HYDROCHLORIC ACID (1995 AND AFTER "ACID AEROSOLS" ONLY)	7647010	AIR STACK	Pounds	59017
LEAD COMPOUNDS	N420	AIR STACK	Pounds	148
MANGANESE COMPOUNDS	N450	AIR STACK	Pounds	128
MANGANESE COMPOUNDS	N450	WATER	Pounds	51776

Form R - Source Reduction and Recycling Activities for Reporting Year 2009

<u>Facility Site Name</u>	<u>Facility Id</u>	<u>Substance</u>	<u>Total for Year</u>
ATLANTIC CUSTOM PROCESSORS	04742TLNLC87HIG	AMMONIA	7,950.000000 lb
AVX TANTALUM CORPORATION	04005VXTNT69LAN	LEAD	0.194300 lb
BATH IRON WORKS CORPORATION	04011BTHRNROUTE	POLYCYCLIC AROMATIC COMPOUNDS	0.000000 lb
BATH IRON WORKS CORPORATION	04011BTHRNROUTE	PROPYLENE	2.560000 lb
BATH IRON WORKS CORPORATION	04530BTHRN700WA	1,2,4-TRIMETHYLBENZENE	14,872.000000 lb
BATH IRON WORKS CORPORATION	04530BTHRN700WA	BENZO(G,H,I)PERYLENE	0.000000 lb
BATH IRON WORKS CORPORATION	04530BTHRN700WA	N-BUTYL ALCOHOL	32,149.000000 lb
BATH IRON WORKS CORPORATION	04530BTHRN700WA	POLYCYCLIC AROMATIC COMPOUNDS	0.000000 lb
BATH IRON WORKS CORPORATION	04530BTHRN700WA	PROPYLENE	15.400000 lb
BATH IRON WORKS CORPORATION	04530BTHRN700WA	XYLENE (MIXED ISOMERS)	5,598.000000 lb
BURNHAM & MORRILL COMPANY	04103BRNHM1BEAN	BENZO(G,H,I)PERYLENE	0.000000 lb
BURNHAM & MORRILL COMPANY	04103BRNHM1BEAN	POLYCYCLIC AROMATIC COMPOUNDS	0.000000 lb
CITGO PETROLEUM CORPORATION	04116STHPR102ME	1,2,4-TRIMETHYLBENZENE	323.000000 lb
CITGO PETROLEUM CORPORATION	04116STHPR102ME	BENZENE	374.000000 lb
CITGO PETROLEUM CORPORATION	04116STHPR102ME	BENZO(G,H,I)PERYLENE	0.000000 lb
CITGO PETROLEUM CORPORATION	04116STHPR102ME	CUMENE	29.000000 lb
CITGO PETROLEUM CORPORATION	04116STHPR102ME	CYCLOHEXANE	79.000000 lb
CITGO PETROLEUM CORPORATION	04116STHPR102ME	ETHYLBENZENE	95.000000 lb
CITGO PETROLEUM CORPORATION	04116STHPR102ME	LEAD COMPOUNDS	0.029360 lb
CITGO PETROLEUM CORPORATION	04116STHPR102ME	N-HEXANE	1,307.000000 lb
CITGO PETROLEUM CORPORATION	04116STHPR102ME	NAPHTHALENE	0.000000 lb
CITGO PETROLEUM CORPORATION	04116STHPR102ME	POLYCYCLIC AROMATIC COMPOUNDS	0.000000 lb
CITGO PETROLEUM CORPORATION	04116STHPR102ME	TOLUENE	1,041.000000 lb
CITGO PETROLEUM CORPORATION	04116STHPR102ME	XYLENE (MIXED ISOMERS)	410.000000 lb
DIAMOND PHOENIX CORPORATION	04240DMNDP9ALFR	CHROMIUM	19.570000 lb
DIAMOND PHOENIX CORPORATION	04240DMNDP9ALFR	LEAD	0.160000 lb
DIAMOND PHOENIX CORPORATION	04240DMNDP9ALFR	NICKEL	10.130000 lb
DIELECTRIC COMMUNICATIONS	04071DLCTRTOVER	COPPER	167.570000 lb
DOMTAR INDUSTRIES INC	04694GRGPCMILLA	ACETALDEHYDE	213,836.000000 lb
DOMTAR INDUSTRIES INC	04694GRGPCMILLA	AMMONIA	406,736.000000 lb
DOMTAR INDUSTRIES INC	04694GRGPCMILLA	BARIUM COMPOUNDS	3,580.000000 lb
DOMTAR INDUSTRIES INC	04694GRGPCMILLA	BENZO(G,H,I)PERYLENE	6.740800 lb
DOMTAR INDUSTRIES INC	04694GRGPCMILLA	CHLORINE	9,564.000000 lb
DOMTAR INDUSTRIES INC	04694GRGPCMILLA	CHLORINE DIOXIDE	1.384000000 lb



Benefits

Company	TRI Facility ID	Substance	Total for 2009	weight		
BATH IRON WORKS CORPORATION	04530BTHRN700WA	1,2,4-TRIMETHYLBENZENE	14,872.00	lb		
CITGO PETROLEUM CORPORATION	04116STHPR102ME	1,2,4-TRIMETHYLBENZENE	323	lb		
EXXONMOBIL OIL CORPORATION	04107MBLLS170LI	1,2,4-TRIMETHYLBENZENE	897	lb		
GLOBAL COMPANIES LLC	04106NRTHSONECL	1,2,4-TRIMETHYLBENZENE	59.81	lb		
SPRAGUE ENERGY CORP	04106SPRGS59MAI	1,2,4-TRIMETHYLBENZENE	294.447	lb		
SPRAGUE ENERGY CORP	04974SPRGSMAKCS	1,2,4-TRIMETHYLBENZENE	874.076	lb		
WEBBER TANKS INC	0441WWBBRT93RIV	1,2,4-TRIMETHYLBENZENE	248.31	lb		
			17,568.64	lb		
GENERAL ELECTRIC COMPANY	04210STRLNPIONI	4,4'-ISOPROPYLLIDENEDIPHENOL	243	lb		
			243	lb		
DOMTAR INDUSTRIES INC	04694GRGPCMILLA	ACETALDEHYDE	213,836.00	lb		
RUMFORD PAPER COMPANY	04276BSCSCROUTE	ACETALDEHYDE	23,649.41	lb		
S D WARREN COMPANY	04976SDWRRRFD3U	ACETALDEHYDE	40,795.00	lb		
VERSO ANDROSCOGGIN LLC	04239NTRNTRILEY	ACETALDEHYDE	130,993.00	lb		
			409,273.41	lb		
ATLANTIC CUSTOM PROCESSORS	04742TLNTC87HIG	AMMONIA	7,950.00	lb		
DOMTAR INDUSTRIES INC	04694GRGPCMILLA	AMMONIA	406,736.00	lb		
DRAGON PRODUCTS COMPANY LLC	04861DRGNPUSROU	AMMONIA	11,907.00	lb		
GENERAL ALUM NEW ENGLAND CORP	04974DLTCHKIDDE	AMMONIA	4,143.77	lb		
KATAHDIN PAPER COMPANY LLC	04430GRTRNRMANS	AMMONIA	48,959.00	lb		
LINCOLN PAPER AND TISSUE LLC	04457LNCLNKATAH	AMMONIA	39,076.00	lb		
MCCAIN FOODS USA INC	04740MCCNFSTATI	AMMONIA	131	lb		
RED SHIELD ACQUISITION LLC	04468JMSRVPORTL	AMMONIA	40,075.00	lb		
RUMFORD PAPER COMPANY	04276BSCSCROUTE	AMMONIA	69,451.00	lb		
S D WARREN COMPANY	04976SDWRRRFD3U	AMMONIA	298,200.00	lb		
VERSO ANDROSCOGGIN LLC	04239NTRNTRILEY	AMMONIA	151,386.00	lb		
			1,078,014.77	lb		



Benefits

- Near real-time access to TRI reports
- Facilities only need to file once w/EPA
- No need to log into Node to get files
- Easy display of Form A/Rs
- Data available in EFIS to DEP staff
- Reports available in EFIS
- Can be imported in Excel for analysis

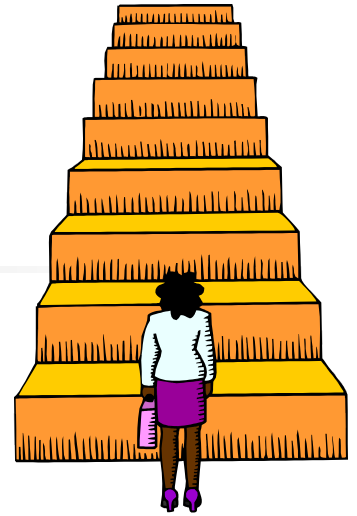
Challenges

- Too much work
- Key skills over allocated
- New flow not a priority within DEP
- Node staff now in DHHS
- “Creative” culture at DEP
 - resists standards





Next steps



- Migrate flow from Node 1.1 to Node 2.0
- Change data pulled into reports to match changes in Maine's TUR regulations
- Enhance local functionality as resource availability and funding allow



Questions?



Carmel Rubin
carmel.a.rubin@maine.gov
Maine DEP
207 287-7823

Remember ...



♥ Data sharing begins at home!

MAKE YOUR OWN STICKERS @ STICKERLINKIE.COM



got TRI?