

ENVIRONMENTAL SERVICES ASSOCIATION OF ALBERTA



Environmental Compliance in the wake of Covid-19

Amit Bhargava

May 13, 2020

For organizations, required by law to track hazardous waste, water use and dangerous goods, ez2Track is a sleek digital solution that brings tracking and regulatory reporting at their fingertips, at a fraction of their current cost and efforts.

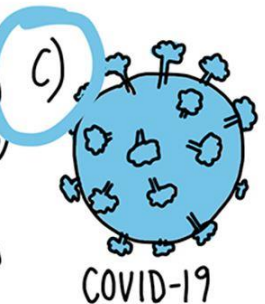
Dangerous Goods, Water Use and Hazardous Waste: Tracking Made Easy!





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WHO LED THE DIGITAL TRANSFORMATION OF YOUR COMPANY ?



BUSINESSILLUSTRATOR.COM

COVID-19 PARADIGM

Focused on
the here and
now

- Our health and that of our family, friends and colleagues
- Access to food, medicines and supplies
- Survival

Beyond that

- Jobs
- Economy
- Recovery

BAU post-
crisis
Paradigm

- Weaknesses
- Costly decisions
- Efficiencies



ENVIRONMENTAL COMPLIANCE

- ▶ Most reporting submissions are digital
- ▶ Provincial Government suspending regular submissions
- ▶ Paper-based plans/processes:
 - ❖ Environmental Management Plans (EMP)
 - ❖ Emergency Response Plans (ERP)
 - ❖ **Hazardous Waste Manifesting**
 - ❖ **Transportation of Dangerous Goods (TDG) Shipping Documents**
 - ❖ **Bill of Lading/ Truck Tickets**
 - ❖ **Water Use Tracking**



HAZARDOUS WASTE MANIFESTS

- ▶ Directive 58 Requirements:
 - ❖ Tracking waste from cradle to grave
 - ❖ Annual Waste Disposition reports : 30 days
 - ❖ Penalties (\$50k individual; \$500k corporations)
 - ❖ Electronic Manifests allowed since 2015
- ▶ AEP Waste Control Regulation
- ▶ Ontario and BC
- ▶ Federal



Alberta Oilfield Waste Form

Form No.

A) GENERATOR (CONSIGNOR)				B) TRANSPORTER (CARRIER)															
COMPANY NAME:		OPERATOR/BA CODE (GENERATOR):		COMPANY NAME:						CITY:		PROV:							
ADDRESS:				ADDRESS:						POSTAL CODE:									
CITY:		PROV:	POSTAL CODE:	DATE:			UNIT NO:		TELEPHONE:		FAX:								
SOURCE SITE LOCATION (SURFACE LOCATION):				Certification - I declare that I have received wastes as offered by the Generator in PART A for delivery to the Intended Receiver and that the information contained in PART B is correct and complete.															
LICENCE TYPE (W.P.F.) & LICENCE NUMBER: ▼				NAME (PRINT):						SIGNATURE:									
INTENDED RECEIVER				C) RECEIVER (CONSIGNEE)															
COMPANY NAME:		OPERATOR/BA CODE (GENERATOR):		COMPANY NAME:						CITY:		PROV:							
ADDRESS:				ADDRESS:						POSTAL CODE:									
CITY:		PROV:	POSTAL CODE:	DATE:			UNIT NO:		TELEPHONE:		FAX:								
RECEIVING SITE LOCATION:				RECEIVING SITE LOCATION:						OPERATOR CODE/BA CODE:									
WASTE CODE	DSHOWS or NON-DOW	UN NUMBER	TDQ SHIPPING NAME (DOW)/COMMON NAME IF NON-DOW	CLASS	PACKING GROUP	QUANTITY SHIPPED	UNITS	PACKAGING NO.	PACKAGING CODE	HANDLING CODE	QUANTITY RECEIVED	UNITS	OL %	WATER %	SOLID %	HW-DOING CODE	TRANS DECOR		
	▼						▼					▼					▼		
	▼						▼					▼					▼		
	▼						▼					▼					▼		
	▼						▼					▼					▼		
SPECIAL HANDLING/EMERGENCY INSTRUCTIONS:											IF HANDLING CODE "01", "02" OR "03" SPECIFY:								
DATE SHIPPED:				TIME SHIPPED:				DATE RECEIVED:				TIME RECEIVED:							
I declare that the information in Part A is correct and complete. I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, are properly classified and packaged, have dangerous goods safety marks properly affixed or displayed on them, and are in all respects in proper condition for transport according to the Transportation of Dangerous Goods Regulations.											TELEPHONE / CELLULAR		IDENTIFY DISCREPANCIES BETWEEN WASTE RECEIVED AND DETAILS LISTED IN PART A IN THE COMMENTS SECTION.						
NAME OF AUTHORIZED PERSON (PRINT):				SIGNATURE:				24HR EMERGENCY NO.											
COMMENTS											Certification - I declare that the information contained in PART C is correct and complete.								
											NAME OF AUTHORIZED PERSON (PRINT):								
											TELEPHONE:								
											SIGNATURE:								

SEE BACK FOR FORM INSTRUCTIONS

WATER USE

- ▶ Water Act:
 - ❖ Temporary Diversion Licenses (TDLs)
 - ❖ Water Act Licenses
 - ❖ Monitor and report Water Use
- ▶ Water Use Reporting System (WURS)
- ▶ Non-Compliances/ Enforcement:
 - ❖ AER charged Tamarack Valley Energy recently under Water Act
 - ❖ Notice of Non-compliance: Pembina, Teine Energy, Grand Rapids Pipeline, Gear Energy
 - ❖ Several administrative penalties

CHALLENGES

- ▶ Systems and processes not fit for purpose
 - ❖ Logistical issues with most of us Working from Home (WFH)
 - ❖ Paper as a transmission pathway during pandemics
 - ❖ Manual data entry subject to errors
- ▶ Inefficiencies/ Archaic
- ▶ Duplication of efforts
- ▶ Lack of real-time visibility
- ▶ Risk of Non-compliance



THE SOLUTION

- ▶ Cloud based digital solution, accessible anywhere
- ▶ Intuitive, easy to use, mobile friendly
- ▶ Efficient support - regulatory requirements, analytics
- ▶ Comprehensive solution
- ▶ No upfront investment
- ▶ Quick and high ROI



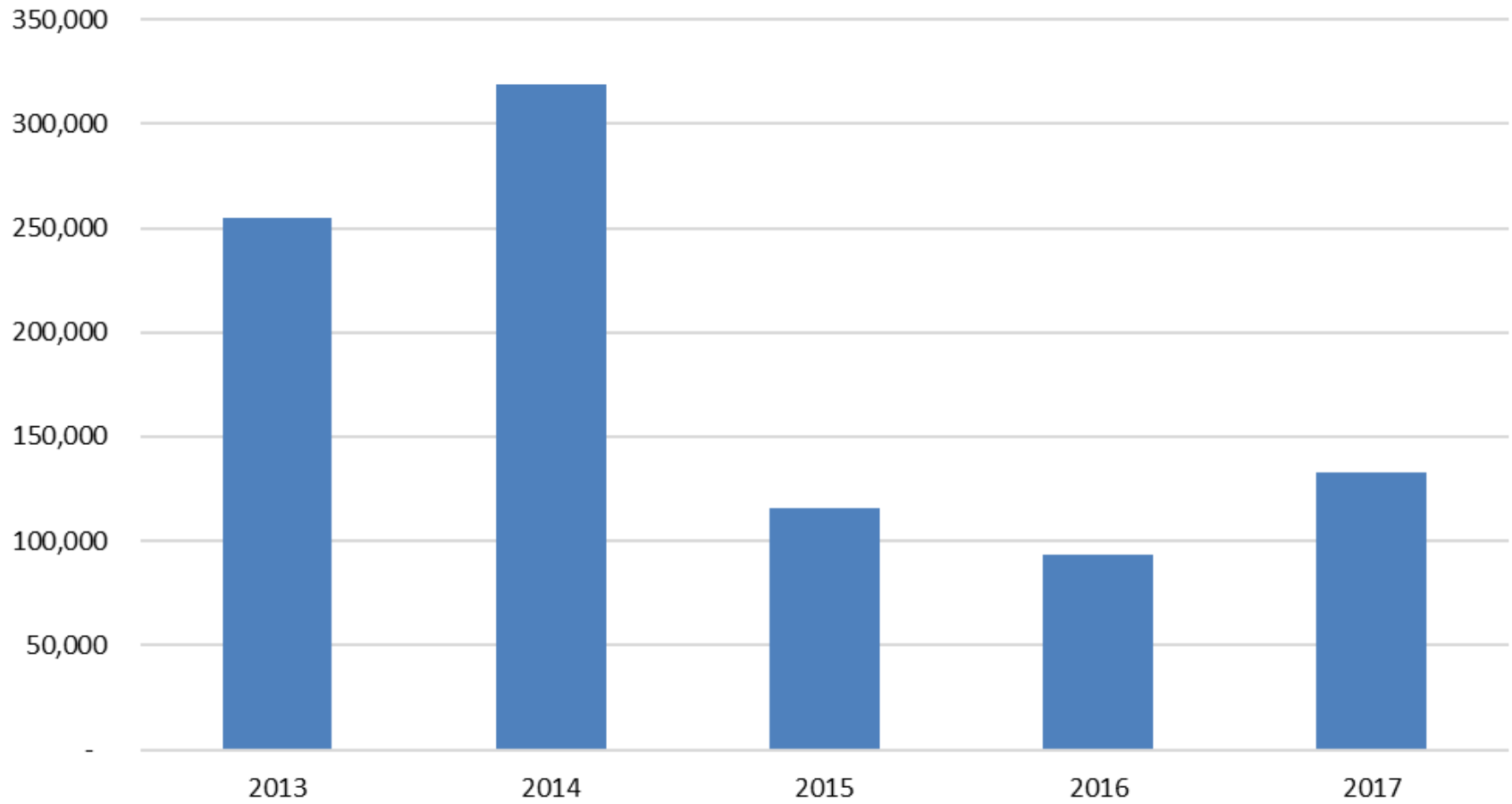
LIVE DEMO

CASE STUDY

Five years of data, calculated actual distances and compared to optimum distances; potential time savings/ transportation cost savings:

- ▶ More than 30,000 manifests
- ▶ \$190/hr. transportation cost
- ▶ 63% of the time – distance optimized : Opportunity = 37%
- ▶ More than \$900,000 potential savings : ROI > 300%

Potential Transportation Cost Savings (\$)



KEY TAKEAWAYS

- ▶ Time to switch over to digital tools is now!
- ▶ Digital solutions don't require capital investment
- ▶ Pays for itself many times over in several ways
- ▶ Significantly lower risk of non-compliance
- ▶ Quick and easy implementation remotely
- ▶ Little to no training required



Questions?

Amit Bhargava
abhargava@enviroapps.ca

THANK YOU !

EnviroApps



www.enviroapps.ca