Environmental Compliance in the wake of Covid-19

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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.
DIGITAL TRANSFORMATION IS YEARS AWAY. I DON'T SEE OUR COMPANY HAVING TO CHANGE ANY TIME SOON.
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
  - 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

**A) GENERATOR (CONSIGNOR)**

- COMPANY NAME:
- OPERATOR/BA CODE (GENERATOR):
- ADDRESS:
- CITY:
- PROV:
- POSTAL CODE:
- DATE:
- UNIT NO:
- TELEPHONE:
- FAX:
- SOURCE SITE LOCATION (SURFACE LOCATION): Certify 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.

**B) TRANSPORTER (CARRIER)**

- COMPANY NAME:
- ADDRESS:
- CITY:
- PROV:
- POSTAL CODE:
- DATE:
- UNIT NO:
- TELEPHONE:
- FAX:
- LICENCE TYPE (W.P.I) & LICENCE NUMBER:
- NAME (PRINT):
- SIGNATURE:

**C) RECEIVER (CONSIGNEE)**

- COMPANY NAME:
- ADDRESS:
- CITY:
- PROV:
- POSTAL CODE:
- RECEIVING SITE LOCATION:
- RECEIVING SITE LOCATION:
- REceiving SITE LOCATION:
- OPERATOR CODE (BA):

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**SPECIAL HANDLING/Emergency INSTRUCTIONS:**

- DELETED OR NON-FAO CODE:
- UN NUMBER:
- TDG SHIPPING NAME (DNW/CN):
- COMMON NAME IF NON-DNW:
- CLASS:
- PACKING GROUP:
- QUANTITY SHIPPED:
- UNITS:
- PACKAGING CODE:
- HANDLING CODE:
- QUANTITY RECEIVED:
- UNITS:
- OIL %:
- WATER %:
- SOLID %:
- TRANSPORT CODE:

**DATE SHIPPED:**

**TIME SHIPPED:**

**DATE RECEIVED:**

**TIME RECEIVED:**

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**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, have properly affixed or displayed on them, and are in all respects in proper condition for transport according to the Transportation of Dangerous Goods Regulations.**

**NAME OF AUTHORIZED PERSON (PRINT):**

**SIGNATURE:**

**COMMENTS:**

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**TELEPHONE / CELLULAR**

**IDENTIFY DISCREPANCIES BETWEEN WASTE RECEIVED AND DETAILS LISTED IN PART A IN THE COMMENTS SECTION.**

**24HR EMERGENCY NO:**

**NAME OF AUTHORIZED PERSON (PRINT):**

**SIGNATURE:**

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**Certification - I declare that the information contained in PART C is correct and complete.**

**NAME OF AUTHORIZED PERSON (PRINT):**

**SIGNATURE:**

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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)

- AER charged Tamarack Valley Energy under Water Act (March 31, 2020)
  - used water without proper approval
  - did not monitor its water use
  - did not report its water use
CHALLENGES

- Systems and processes not fit for purpose
  - Logistical issues with most of us Working from Home (WFH)
  - Paper as a transmission pathway
  - 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%
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?

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THANK YOU!

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