

The Direction of LDAR

Tanya Jackson,
Avanti Environmental Inc



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Presented by Tanya Jackson

- Tanya Jackson is the leading Project Manager for Avanti Environmental, Inc an affiliate of Montrose Environmental. Montrose Environmental is the largest source test provider, including LDAR and Laboratory Services. Tanya has a degree specializing in Environmental Toxicology from the University of California, Riverside. She focuses primarily in regulatory compliance review, tagging and inventory projects and training program implementation. Before working for Avanti she was employed as a Regulatory Air Inspector for the South Coast Air Quality Management District in California. This has provided her a unique perspective in dealing with regulatory compliance questions. Tanya has a 7 year old boy and loves soccer and wine tasting.

Where are we going?

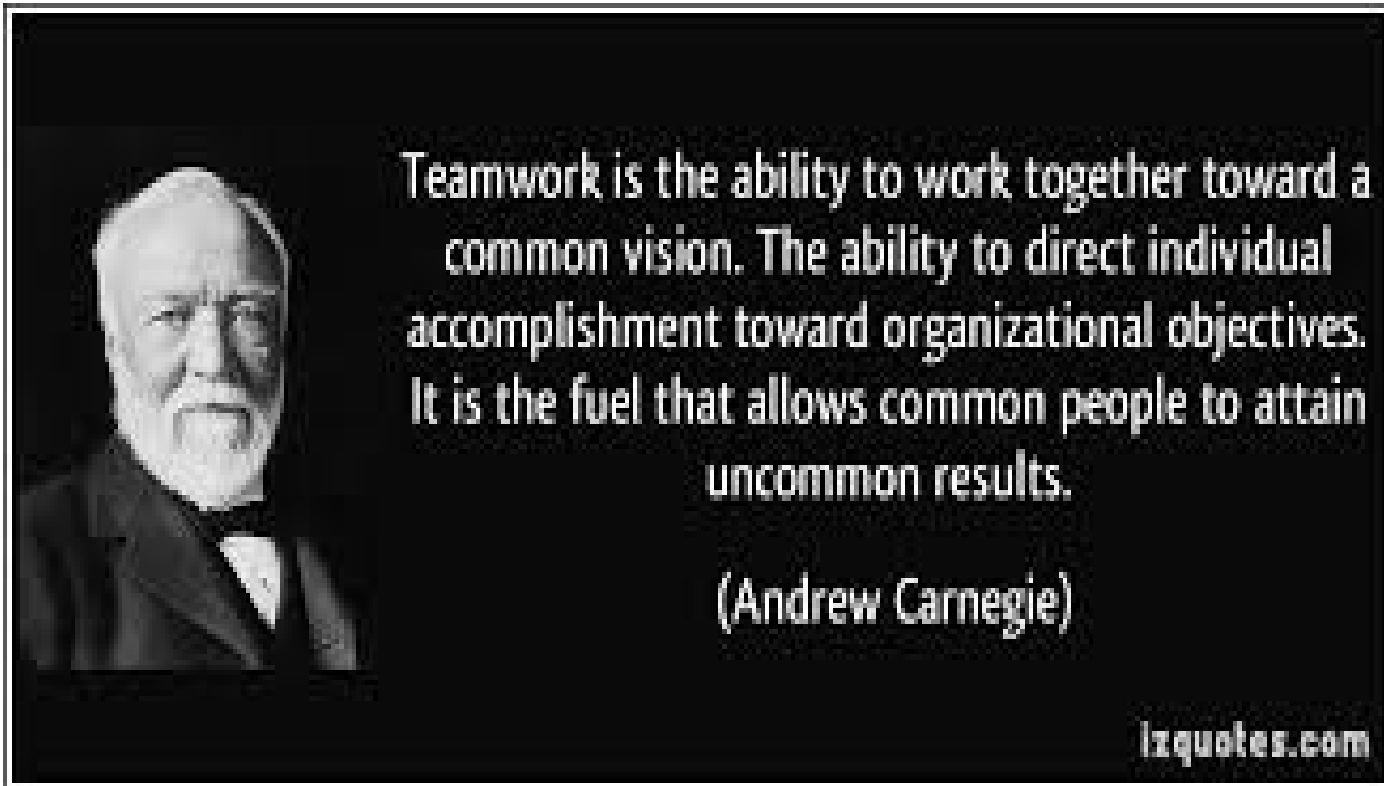
- Direction of the world
 - The Environment
 - Increasing Regulation
- Direction of LDAR
 - Being Proactive Not Reactive with 5T's
 - Technology
 - Training
 - Transparency
 - Tagging
 - Treatment

growth begins
when we
start to
accept our
own
weakness.

~ jean vanier

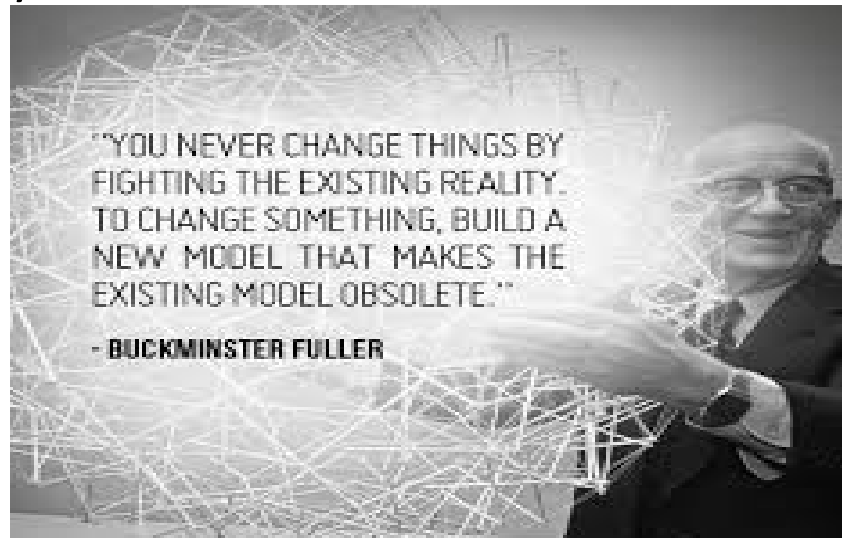
Direction of the World

Industry ←LDAR→ Regulators ←LDAR→ Environment



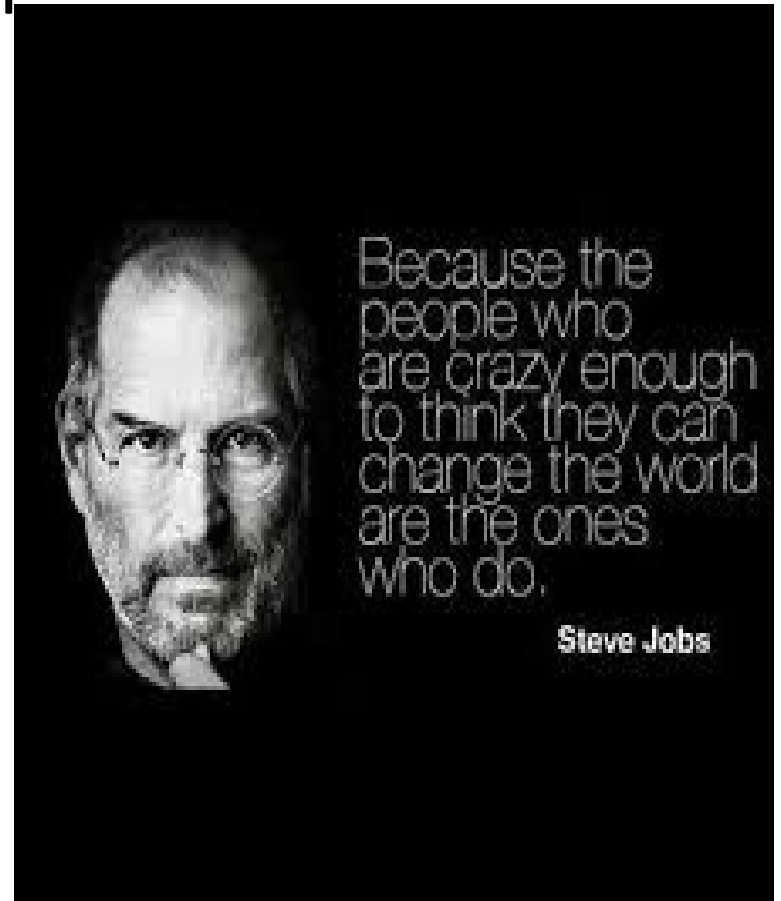
Direction of the World: The Environment

- How can industry continue to grow and coexist with our environment, within communities?
 - Show how your company is being proactive
 - Show transparency
 - Show standards and how you are meeting them and exceeding them
 - Training and Education within your company and your community



Direction of the World: Increasing Regulation

- Get ahead, be proactive in the process
- Don't get stuck
- Prepare
- Raise awareness
- Document protocols and procedures



Direction of LDAR

- Current state of LDAR: Find Leaks and Fix Them
- New state of LDAR:



- How can you have an LDAR Program that sets the standard instead of just meeting it?

Direction of LDAR: Technology

- Why is Technology Important? Increases Efficiency and Accuracy, minimizes administrative costs, provides better QA/QC (smart phones)
- Digitalizing LDAR utilizing Real Time and Technology
 - FLIR
 - Internet LDAR Database
 - Smart Phones
 - GPS Tracking
 - Blue Tooth Data Loggers

The most important thing about technology is that it can seamlessly work its way into your routine and your life.

John Legend

meetville.com

Direction of LDAR: Training

- Training our LDAR Technicians? NOOOOOO
Been there done that
- Time to Train our Managers
 - Leadership
 - Integrity
 - Work Ethics
 - Time Management
 - Budgeting
 - Staffing

"A MANAGER IS NOT A PERSON WHO CAN DO
THE WORK BETTER THAN HIS MEN; HE IS A
PERSON WHO CAN GET HIS MEN TO DO THE
WORK BETTER THAN HE CAN."

FREDERICK W. SMITH

<http://www.fishbase.org>

Direction of LDAR: Training

Leader	Manager
Copes with change	Copes with complexity
Challenges the status quo	Works with the status quo
Asks Why	Asks What
Plans Long Term	Plans Short Term
Aligns People	Organizes people
Motivates and inspires	Administrates and control
Focuses on people	Focuses on systems and structure
Communicates and delivers the vision	Follows the vision
Looks into the future	Works in the present

Direction of LDAR: Transparency

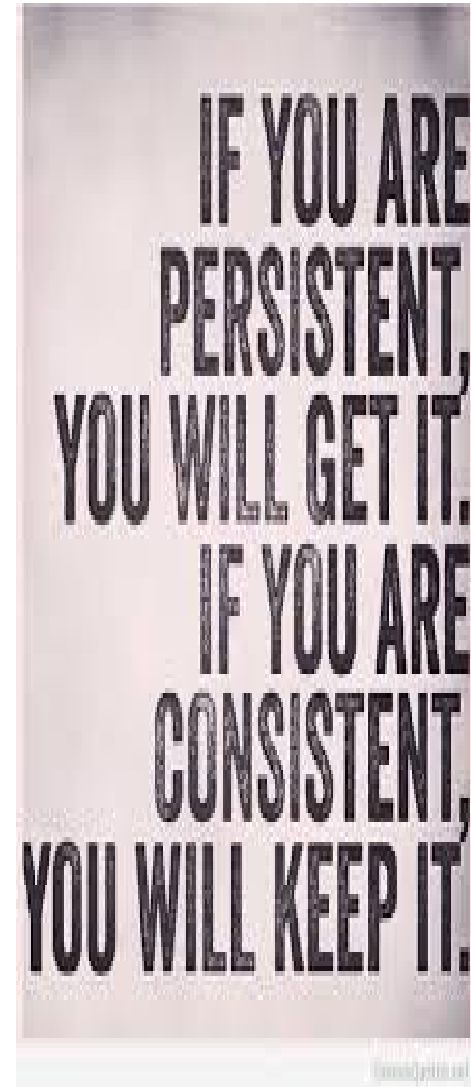
- Top Three Complaints by clients
 1. I don't know how to get my LDAR reports or inventory!
 2. I don't understand how to use the program!
 3. I don't get prompt responses when I request documentation!
- Integrating easy to use LDAR Databases (Microsoft Word, Excel)

Authenticity
requires
vulnerability
transparency
& integrity.

Jessie L. Lippman, Stanford University

Direction of LDAR: Tagging

- Tagging Programs-Wind Chime Effect
 - Decimal System-Minimize maintenance and cost
- Tagging Programs-Consistency
 - Inventory the same every time
 - Database that can manipulate the data per rule
- Tagging Programs-Multi functional
 - Track maintenance of a component recommended by manufacturer
- One regulatory document that is accepted: defining what a component is, its leakpaths and its leak interface!



Direction of LDAR: Treatment

- How do we treat components? Emissions or Groups or Individuals
 - Landon-GPA or Subjects or Test
- INDIVIDUALIZE not GENERALIZE
 - Leak interface
- Preventative/proactive maintenance
 - Best of Class Components
 - Manufactured documented emissions reduction
 - Manufacturer guarantee readily available parts/shipping in 24hrs
 - Component has replacement parts, does not have to be fully replaced
 - Component does not require shutdown
- Emissions factor/credit that acknowledges being Proactive



Conclusion

Be Proactive!!!

Please remember to fill out the conference survey. This will be sent to you by email.

<https://www.surveymonkey.com/r/2015OGENV>

Conference participants are eligible for up to 13 contact hours 1.3 CEUs. Forms will be available after lunch on Wednesday at the registration area.

Return completed forms at the conclusion of the conference.

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