



US ecologySM

Unequaled service. Solutions you can trust.



Field Services Midwest

Lab Pack Services

What is a Lab Pack?



code of federal regulations

 OSHA
29

 USEPA
40

 USDOT
49

49 CFR - PART 173 - SHIPPERS - GENERAL REQUIREMENTS FOR SHIPMENTS AND PACKAGINGS

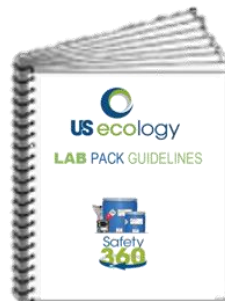
Subpart (b) Lab Packs

A “lab pack” is an accumulation of unwanted or obsolete chemicals that range in size from less than 2 ml up to 5 gallons in size which is placed into an outer container for DOT shipment.

Unwanted/Obsolete



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What a lab pack is not...



- Containers larger than 5 gallon in size
- Bulk liquids or solids
- Drums
- Totes
- Roll-offs
- Vac Boxes
- Materials poisonous by inhalation
- Division 6.1, Packing Group I material
- Chloric Acid
- Oleum (fuming sulfuric acid)
- Aerosol

Who do we provide lab packs for?



- Universities
- Manufacturing
- Healthcare
- Municipalities
- Environmental Consultants
- Small Quantity Generators
- Retail Clients (Lab Pack vs Loose Pack)
- Any generator who uses chemicals will most likely need a lab pack at some point in time

What is a Lab Pack Chemist?



Lab pack chemists are
field chemists –
they do their work in the field



Lab Pack Chemists unravel
regulations to keep clients
safe and within the law of
proper waste disposal

US Ecology Lab Pack Services



What will we do
with these
outdated
chemicals?



We've got the
solution!!!
Let's talk
about the
process and
plan!



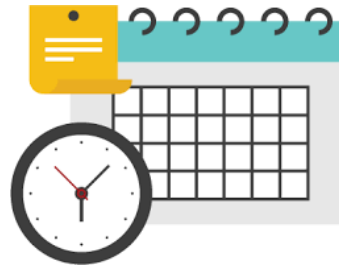
Pre-project Preparation



Inventory & Proposal



Schedule



Prepare



Lab Pack Process



- Chemist arrives on site
 - Reviews JHA with client
 - Walks project, verifies inventory
 - Parks lab pack truck near project area & prepares supplies



Lab Pack Process

Each chemical is segregated based on their hazard level, toxicity, DOT requirements, EPA requirements, and disposal facility requirements.



Lab Pack Process

Once chemicals are segregated into groups, the chemist will collect and create a packing list. The packing list details the items that are being packing into the DOT “outer” container.

Packing sheet will be transported with the waste to the TSDF.



LABPACK PACKING LIST

Drum #:	Date:	Approval #:	Chemist:	
UN/NA Number:	Proper DOT Shipping Name:			
Hazard Class:	Packing Group: I II III	Circle One: Virgin Product Spent Material	Container Type: DM DF CF	
Manifest #:	Cont. Size: 5 15 20 30 55 CY EX			
Manifest #:		Page _____ of _____		
Line No.	Material Description	Type / State	Size	Waste Code(s)
1				
2				
3				
4				
5				
6				



Lab Pack Process

Each segregated group is packed into an appropriate lab pack container (outer package) based on their hazard level, toxicity, DOT requirements, EPA requirements, and disposal facility requirements.

The lab pack chemist will gently place each chemical into the container and will then be surrounded by an ample amount of absorbent or approved packaging material.



Lab Pack Process

Shipping documents are prepared and packing lists are added. Truck is placarded according to DOT regulations.

Style F20H **LABELMASTER** (800) 621-5808 www.labelmaster.com

Form Approved: OMB No. 2050-0039

Please print or type

UNIFORM HAZARDOUS WASTE MANIFEST 2. Page 1 of 2 3. Emergency Response Phone 4. Marked Transporter's Name **012328401FLE**

1. Generator's Name and Mailing Address
Generator's Site Address (if different from mailing address)

Generator's Phone
6. Transporter 1 Company Name U.S. EPA ID Number
7. Transporter 2 Company Name U.S. EPA ID Number
8. Designated Facility Name and Site Address U.S. EPA ID Number

Facility's Phone

9a. U.S. DOT Description (Including Proper Shipping Name, Hazard Class, ID Number, and Packing Group, if any)	10. Containers		11. Total Quantity	12. Load Weight	13. Waste Codes
	No.	Type			
1.					
2.					
3.					
4.					

14. Special Handling Instructions and Additional Information

15. **GENERATOR/BUFFERER'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled, placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. I accept shipment and am the Party Exporter. I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste transportation statement identified in 40 CFR 263.27(a) (if any) is a single quantity generator or (b) (if any) is a small quantity generator is true.
Generator/Bufferer's Printed Name _____ Signature _____ Month _____ Day _____ Year _____

16. International Shipments Export to U.S. Export from U.S. Port of embarkment (Date leaving U.S.): _____

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Through/Good Name _____ Signature _____ Month _____ Day _____ Year _____
Transporter 2 Through/Good Name _____ Signature _____ Month _____ Day _____ Year _____

18. Discrepancy
18a. Discrepancy Indication Space Quantity Type Residue Partial Rejection Full Rejection
Marked Reference Number _____ U.S. EPA ID Number _____

18b. Alternate Facility (or Generator)
Facility's Phone _____ Month _____ Day _____ Year _____
18c. Signature of Alternate Facility (or Generator) _____

19. Hazardous Waste Report Management Method Codes (E.g., codes for hazardous waste treatment, disposal, and recycling systems)
1 _____ 2 _____ 3 _____ 4 _____

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18b.
Printed Name _____ Signature _____ Month _____ Day _____ Year _____

EPA Form 8700-22 (Rev. 12-17) Previous editions are obsolete. **DESIGNATED FACILITY TO EPA's e-MANIFEST SYSTEM**



Lab Pack Process

All of the following must be managed & considered by the lab pack chemist throughout the entire process:



OSHA



USDOT



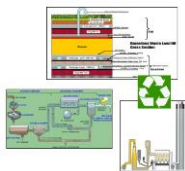
USEPA



CHEMISTRY

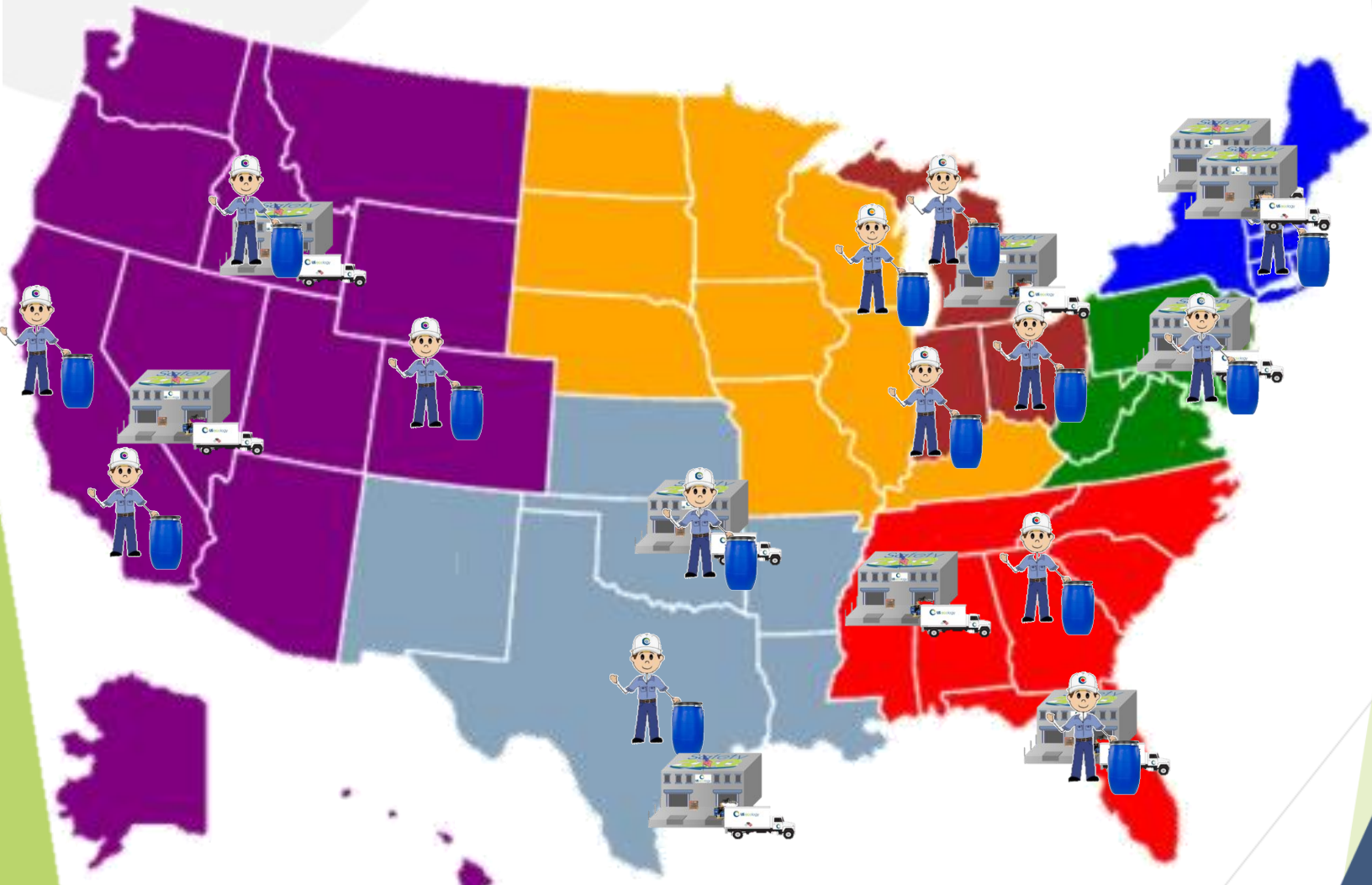


US ECOLOGY



DISPOSITION

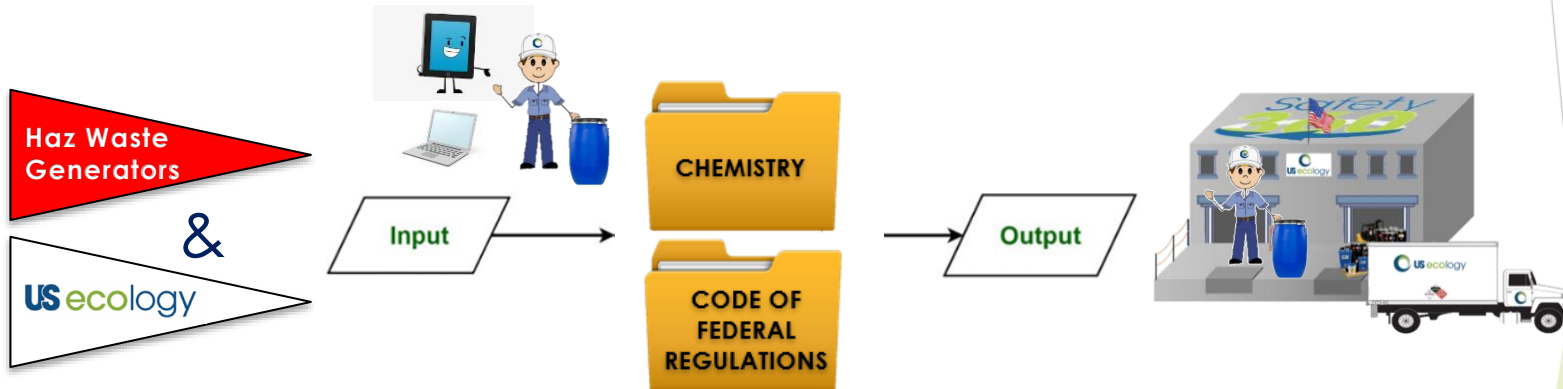
Where are we, and where can we reach in the US?



Technology, Experience, Compliance

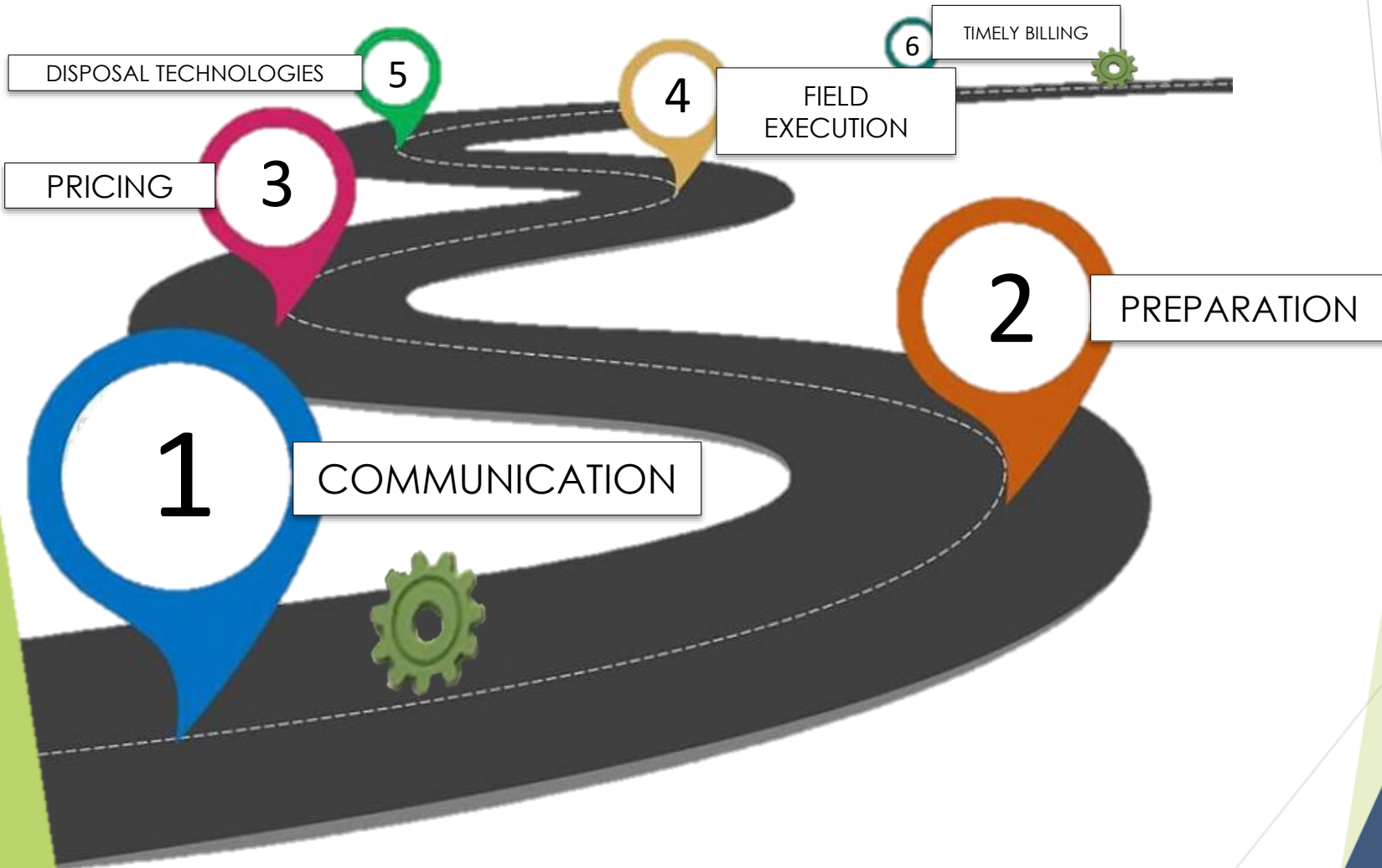


Along with experienced field chemists, US Ecology utilizes state of the art mobile technology to provide safe and compliant lab pack services.

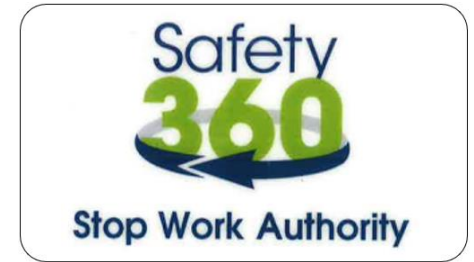


We utilize field-based systems to create best management predictions, compatibility recommendations, and load segregation suggestions which are validated by our expert chemists.

Charting the Roadmap to Best in Class Through Client Partnerships



TALENT & TECHNOLOGY



BE SAFE & COMPLIANT WITH US ECOLOGY

Unequaled service. Solutions you can trust.

- Trained field chemists
- Identification, segregation and transportation of chemicals
- Simple and efficient
- Over 95% customer satisfaction rating
- Market competitive rates with no hidden fees
- Peace of mind and confidence choosing US Ecology
- Over 65 years of national experience
- 99% on-time services
- Customer self-pack options
- High haz waste management
- Radioactive waste management
- Stock room inventory management
- Off and on-campus chemical moves



Wrap Up & Questions





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Unequaled service. Solutions you can trust.