



Fukushima Recovery Forum February 18-19th Tokyo Japan



HELPING TO SOLVE COMPLEX PROBLEMS

Headquartered in Charleston, South Carolina
Privately Owned since 1981
Approximately 280 Employees



Companies

GEL | Laboratories LLC

- Largest single-site mixed waste laboratory in the US
- Full-service chemistry and radiochemistry services

CFA | Cape Fear Analytical LLC

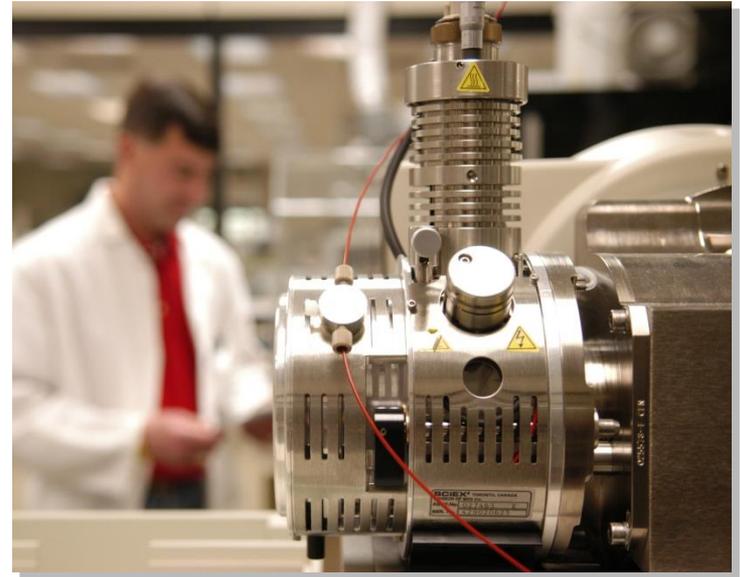
- High Resolution Dioxin and PCB congener analysis

GEL | Engineering LLC

- Environmental consulting
- Civil engineering, surveying, and land planning

GEL | Geophysics LLC

- Near surface geophysical services
- Subsurface utility engineering





GEL Laboratories, LLC Overview

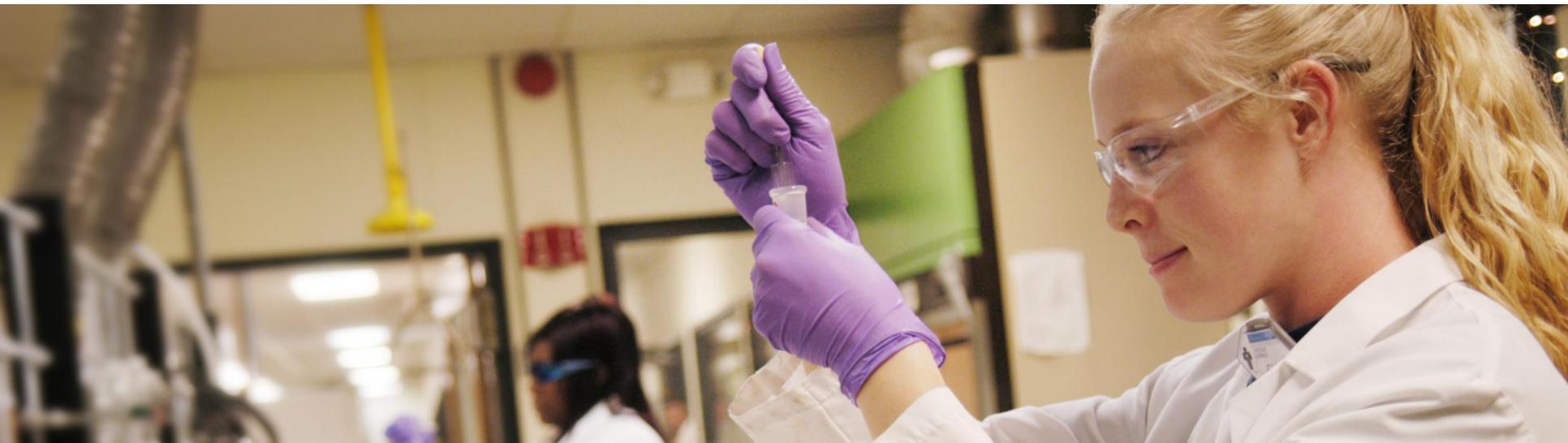
- Wide array of chemistry, radiochemistry and bioassay services
- High capacity, fast turnaround times
- 52,000 sq. ft. laboratory (4,800 sq. m)
- Proprietary LIMS, highly-customized with web client interface
- 185 highly trained laboratory professionals





Laboratory Services

- Environmental Monitoring
- Waste Characterization
- Health Physics Support
- Specialty Analysis
- Radiobioassay
- Remote Laboratory Support
- Sample Collection Assistance
- International Project Support





Laboratory Capacity

- Alpha spectrometers (384)
- Liquid scintillation counters (12)
- Gamma spectrometers (51)
- Gas flow proportional counters (96)
- LC-MS-MS (4)
- GC-MS (20) / GC-ECD/FID (12)
- X-Ray spectrometry (3)
- Radon emanation (24)
- Laser kinetic phosphorimetry (2)
- ICP-MS (5) / ICP-OES (4)
- Low Level Hg (2)
- HPLC (4)





Laboratory Project Experience

Nuclear Environmental Support:

- Fukushima
- Diablo Canyon
- SONGS
- Indian Point
- Three Mile Island (PP&L)
- Palisades
- 40 active US nuclear plants

Radiobioassy Site Support:

- Hanford
- Idaho National Laboratories
- Los Alamos National Laboratories
- West Valley
- Pantex
- Waste Disposal Sites

Nuclear D&D and Waste Support:

- Maine Yankee*
- Connecticut Yankee*
- Big Rock Point*
- Humbolt Bay
- Zion Power Plant
- Bruce Power (Canada)

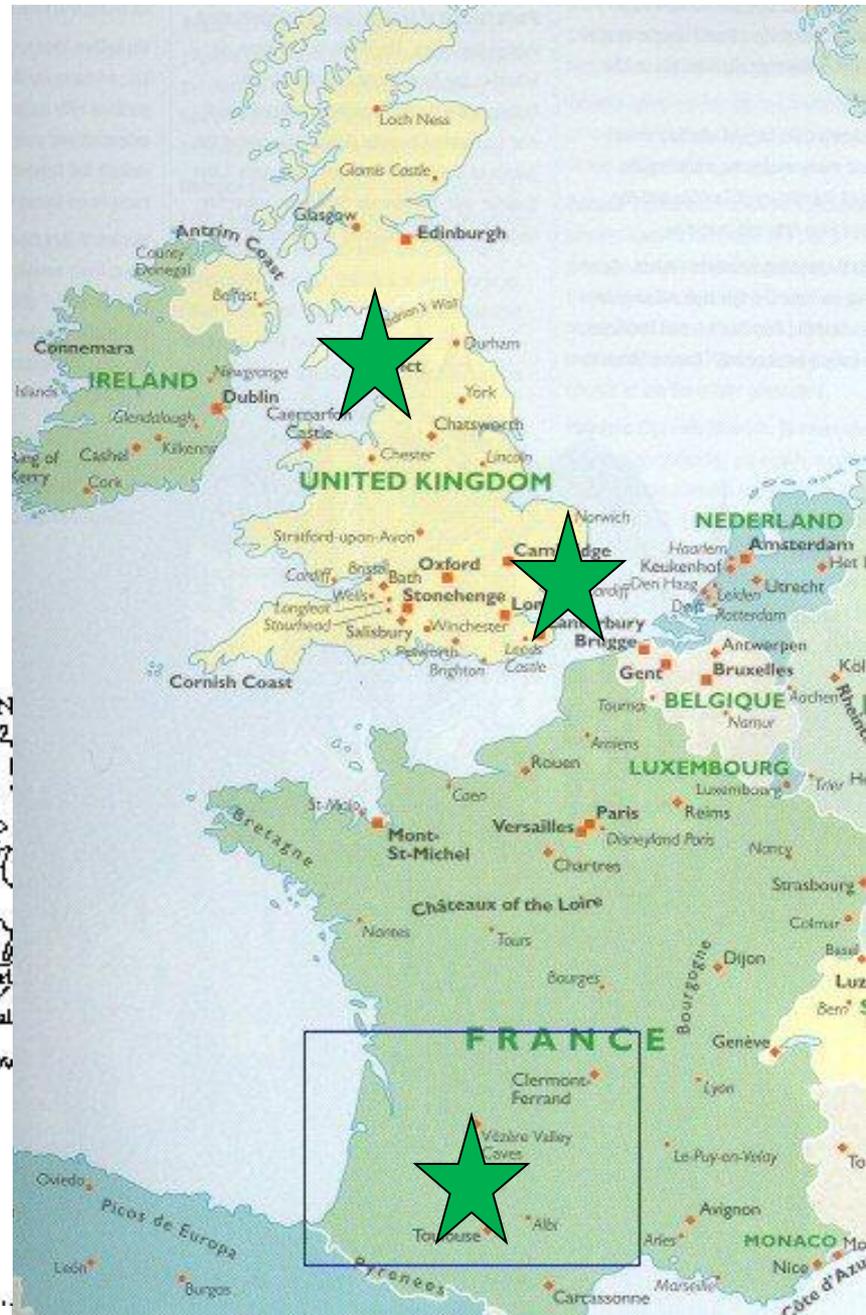
D&D/Waste Processor Support:

- UK Magnox Southern Bundle
- Energy Solutions
- Waste Control Specialists
- Permafix
- Rocky Flats* (CH2M)
- Fernald Site* (Fluor)

* Completed project

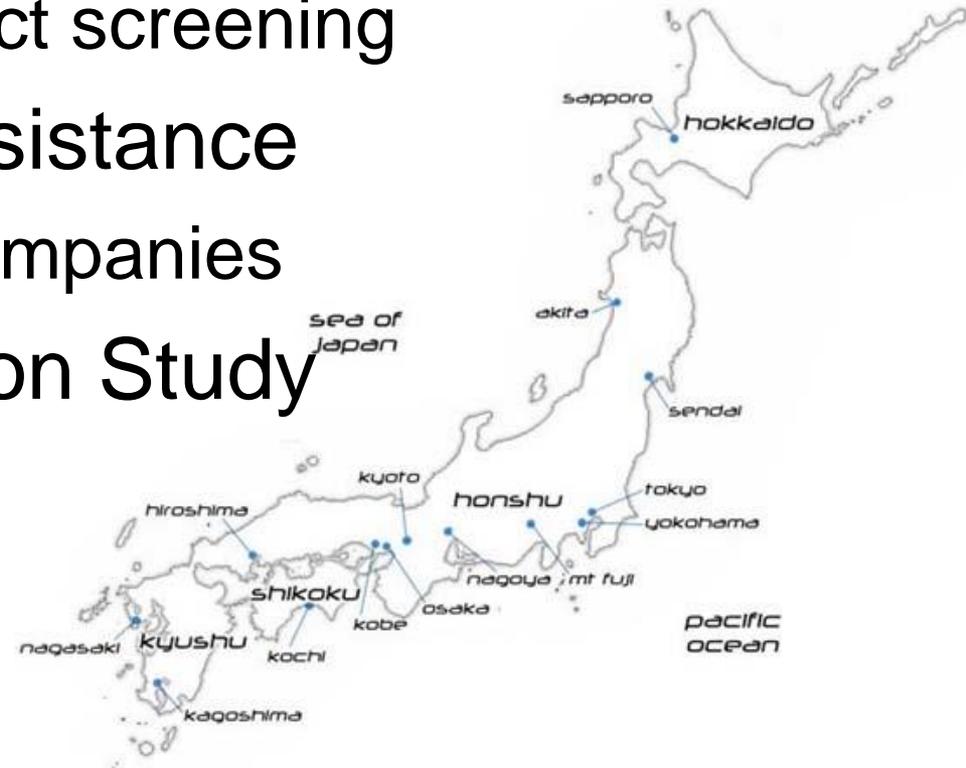
International Projects

- United Kingdom
- France
- Canada
- UAE
- Japan



Japan Specific Experience

- Rapid Analysis Support
 - Fukushima Air Filters (Sr-89/90)
 - Food, water and product screening
- Laboratory Startup Assistance
 - Multi National Food Companies
- Method Intercomparison Study
 - Japan & US methods
 - Strontium and Tritium



Thank you!

Please contact
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For more information

