

HOLLY-GRAPE MERCURY ST GEORGE, UT

CRAIG MYERS – FEDERAL ON-SCENE COORDINATOR



RESIDENTIAL MERCURY IN THE AGE OF COVID 19

- August 24, 2020 – UT DEQ request
- Resident broke an old thermometer, DEQ unable to assess
- Home:
 - Carpet
 - Single level
 - No basement
 - Concrete floor/slab on grade



INITIAL RESULTS



- ERT mobilized from Las Vegas
- Initial screen shows
 - 3,200-3,500 ng/m³ throughout the home
 - 4,500+ ng/m³ in bedroom
- OSC had ERT staff seal the floor area with tape and a trash bag
 - Reduced the levels in the home to between 100 and 300 ng/m³

SITE CONCERNS

NON-COVID

- Elderly couple
- Can't vacate – need the bed and other accoutrements
- (Very) Limited mobility
- Presence in home limited work hours and complicated the clean-up

COVID 19

- Elderly couple – at risk population
- Can't vacate – increased risk to couple from crew in home
- Crew has to enter their occupied home to do the work...and it can't wait.

CLEAN UP

- ERRS mobilized from Salt Lake City
- Due to mobility issues, tried to avoid carpet removal
- Day 1
 - Attempted Merc-X and Hg-vac of carpet
 - End of day, not much improvement
 - Resealed carpet
- Day 2
 - Continued Merc-X powder/wipes and vacuum along with heat/vent cycles



CARPET REMOVAL (LIMITED)

- By Day 3, heating/venting and vacuum not showing any improvement
- Limited carpet removal guided by Lumex.
- Post removal, levels in home well below 1,000



LIMITED MOBILITY

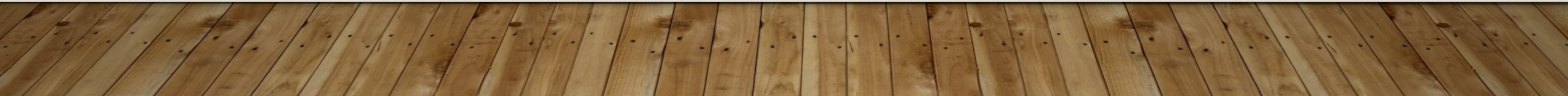
- Carpet installs are challenging
- difficult to get a measurement
- Installations are very limited
- Installed an ugly temporary patch to maintain grade



LESS LIMITED CARPET REMOVAL

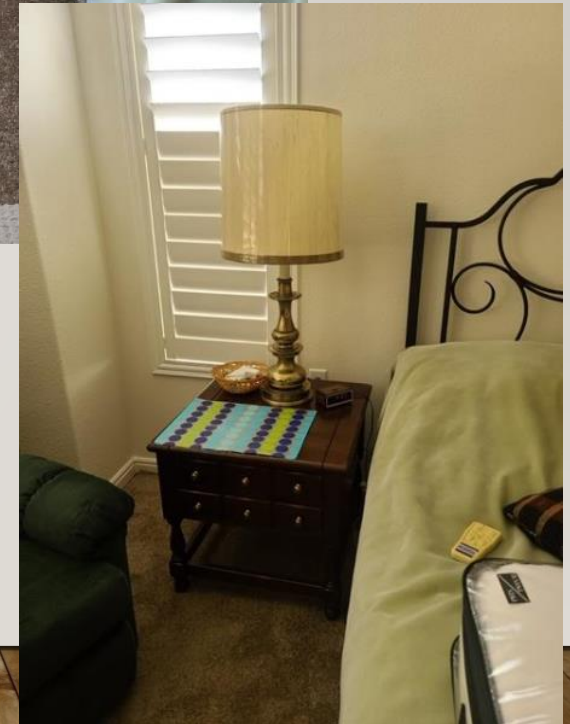


- Crew returns to do clearance, levels in the home back above 1,000 ng/m³
- Area below nightstand
 - Was near non-detect the day prior
 - well over 5,000 ng/m³
- Additional carpet removal
- Epoxy sealant on the cement slab
- More methodical screening on all “moveable” items



RESOLUTION

- Passed final 8 hour clearance with
 - ~300 ng/m3 average
- Temporary patch (larger)
- Credit with local carpet installer to schedule full replacement
 - COVID conditions
 - Special mechanical bed I didn't want ERRS to touch...



QUESTIONS (IF WE'RE DOING THAT)

