

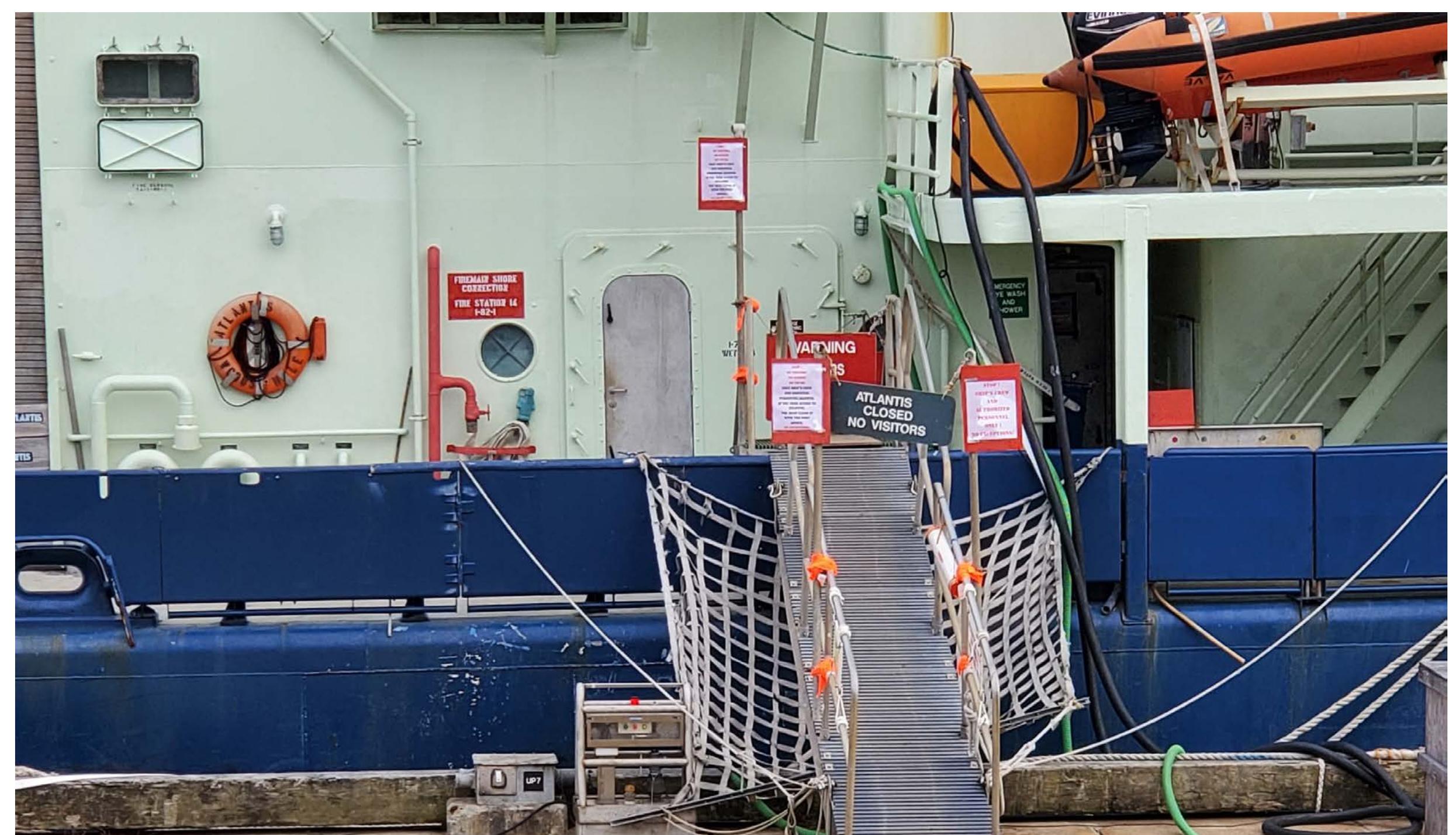
Woods Hole  
Oceanographic  
INSTITUTION



# *RV ATLANTIS MID-LIFE REFIT*

*UPDATE 15 JULY 2020*





STOP!  
DON'T EMBARK  
OR FORGET TO  
MANUALLY  
UNLOCK!  
NO FT. SPYMAN!

FIREMAN SHORE  
CONNECTION  
FIRE STATION 14  
1-82-1

WARNING  
STOP!  
DON'T EMBARK  
OR FORGET TO  
MANUALLY  
UNLOCK!  
NO FT. SPYMAN!

ATLANTIS  
CLOSED  
NO VISITORS

STOP!  
DON'T EMBARK  
OR FORGET TO  
MANUALLY  
UNLOCK!  
NO FT. SPYMAN!

EMERGENCY  
EYE WASH  
AND  
SHOWER

LP7

# ***TIMELINE***

- COVID CANCELLATION OF ATLANTIS OPS 12 MARCH 2020
- ATLANTIS BACK AT WHOI 22 MARCH 2020
- ALVIN OFF FOR 6500 MTR UPGRADE 23 MARCH 2020
- CREW STRICT QUARANTINE STARTED 01 APRIL 2020
- DEPARTED WOODS HOLE 16 APRIL 2020
- ARRIVAL DCI Crew ashore 24 May 13 MAY 2020
- BROUGHT FWD CONTRACT START Original 7 July 29 MAY 2020
- BROUGHT FWD DOCKING Original 21 August 4 AUGUST 2020
- UNDOCK 26 MARCH 2021
- 2<sup>ND</sup> DOCKING 7 JUNE 2021
- DOCK AND SEA COMMISSIONING TRIALS APRIL MAY JUNE 2021
- DELIVERY JULY 2021
- ALVIN BACK ONBOARD TARGET SEPT 2021

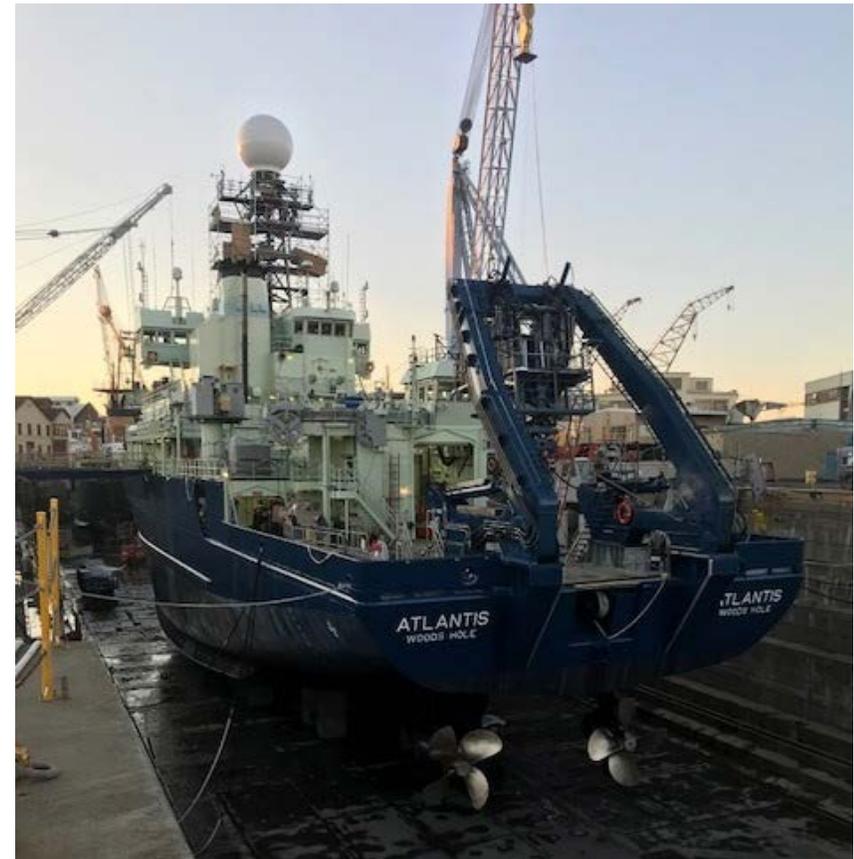
# ***MAJOR WORKS DAY 64 AT YARD***

- **NEW MAIN GENSETS** CAT 2-C32s 2-3516s EPA TIER 3
- **SIEMENS PROPULSION SOLUTION** AC MOTORS 690V ALTERNATORS SWITCHBOARDS SWITCHGEAR DRIVES TRANSFORMERS
- **ZF AZIMUTHING BOW THRUSTER** SIEMENS AC MOTOR
- **MARPOL UPGRADES** OWS SEWAGE OPTIMARIN BWTS
- **ACCOMODATION UPGRADES** LIGHTING OVERHEADS HVAC FIRE DETECTION NAV LIGHTS PROPULSION CONTROLS MAST MODS
- **PIPING RENEWALS** BALLAST FIREMAIN DRAINS
- **STRUCTURE** UTM #6 BW TANKS
- **FRESH WATER GENERATION UPGRADES**
- **OVERHAUL OF Z-DRIVES** 5 YR CYCLE
- **SCIENCE UPGRADES** EK80 UPGRADED DP SYS CABLING SERVER ROOM EM124

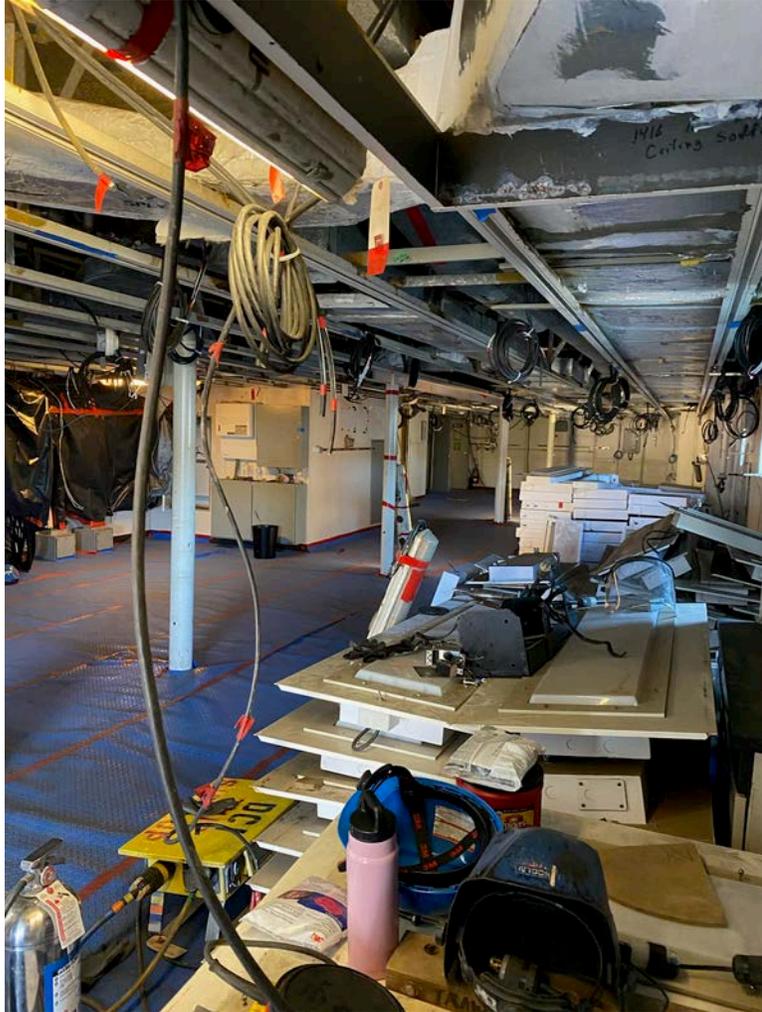


# *MISC ELEMENTS*

- REVELLE AND THOMPSON LESSONS LEARNED, HUGE THANKS TO SIO TEAM FROM JUST COMPLETED YARD PERIOD
- OFE MANAGEMENT
- SPARES
- WARRANTIES
- SITE TEAM
- CREW RETENTION
- CREW TRAINING
- LARS CERTIFICATION



# MAIN LAB



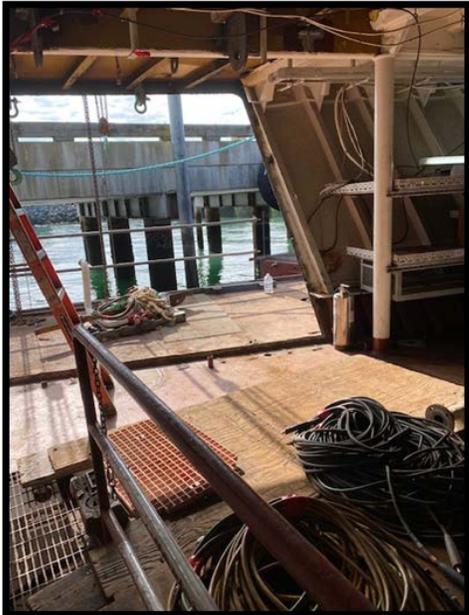
# SHIPS CONF RM LKG TO GALLEY



# UPPER ENGINE ROOM



# BT ROOM WORKS



# NEW CHILLER FOUNDATIONS



# SWITCHBOARD ROOM



# BRIDGE



# GALLEY



# SHIP'S WAREHOUSE



DRYDOCK – SET FOR AUGUST 4<sup>TH</sup> – 2 WKS AHD



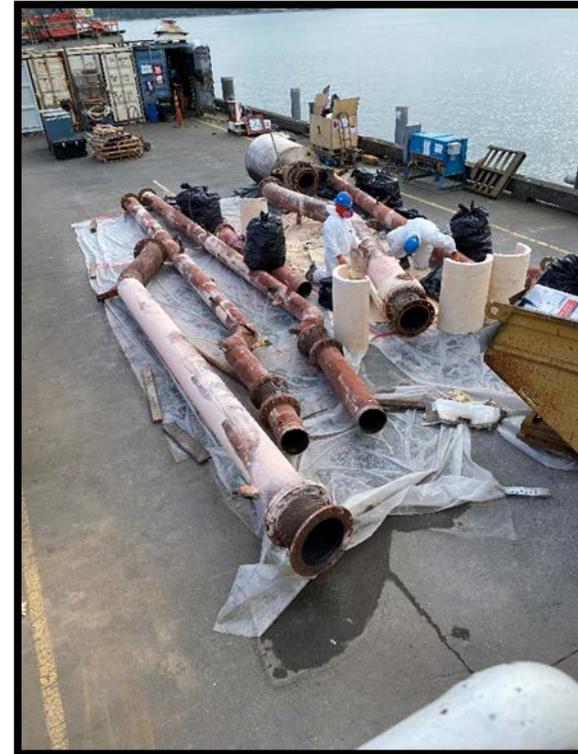
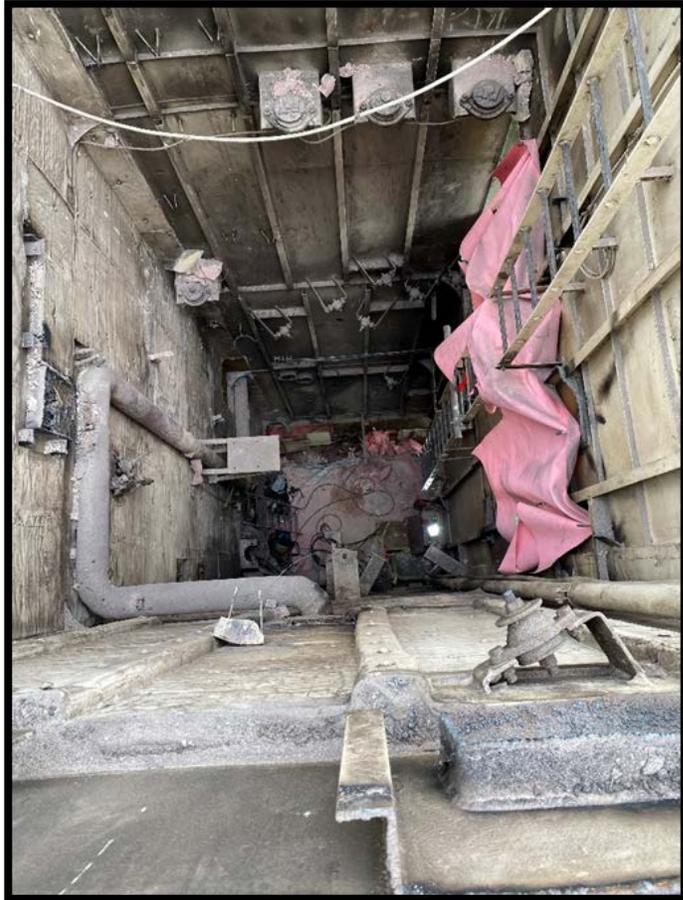
# NEW MAIN GENSETS



# MAIN MOTOR REMOVALS



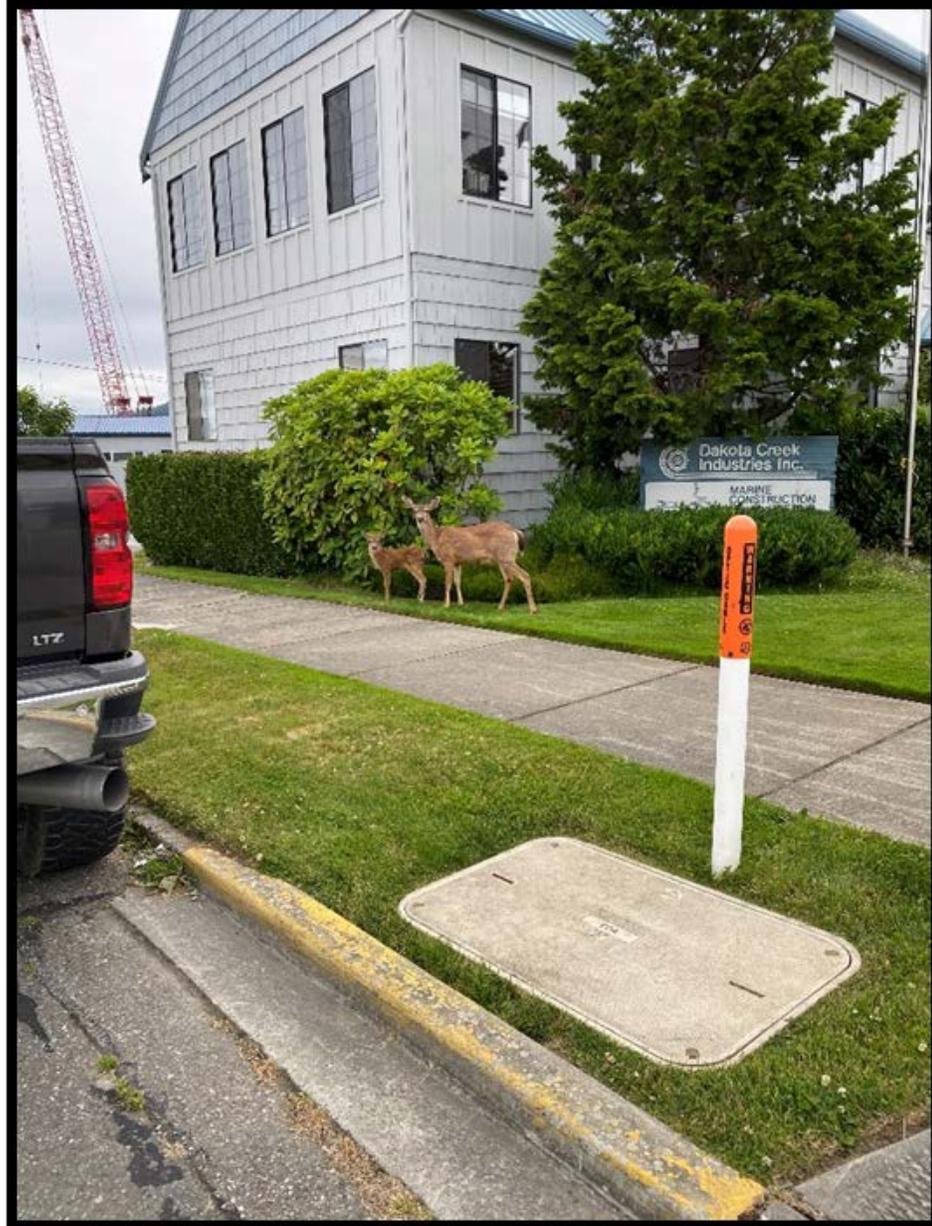
# FUNNEL WORKS



# LARS WORK PACKAGES

- 5 YR LOAD TEST
- GIMBAL FRAME REPLACEMENT
- SWINGING BEAM STRUCTURAL MOD
- HYDRAULIC HOSE REPLACEMENTS
- CATWALK REPAIRS
- HPU MOTOR REPLACEMENTS 600V Option Item
- NAVSEA RECERTIFICATIONS





# CLOROX 360

