



H S E

HEALTH SAFETY ENVIRONMENTAL



Alert #: SA 12-19

Date:

Grating Incident

While replacing grating on intermediate deck by Jockey pump for water maker. EE was working 100% tied off inside of a hard barricade. He had removed clips from middle and east side of grating sheet. He push down on grating with his foot twice and it did not move. He then began to walk across grating to assist his co-worker to remove the grating. When he stepped on the grating, it gave way, causing the EE to fall approximately three feet before the SRL locked and stopped his fall. His co-workers pulled him up onto the solid deck. Medic was contacted and treated EE lower right leg for superficial abrasion. EE was transported via helicopter in as per GIS request, he examined and treated at the clinic for his abrasion and released to Full Duty.



Side view of collapsed grating



Corroded End of Grating

Error Precursors/Corrective Actions

(1) Unexpected Equipment Conditions – Excessive corrosion to grating from the saltwater jockey pump plumbing

Why? – Grating was completely rusted out and failed when employee walk onto grating.

Corrective Action – Use alternate route or use a scaffolding board when having to cross-corroded grating.

(2) Unawareness of critical parameters – Employee completed this process prior without incident.

Why? – No step in JSEA process for walking on damaged grating.

Corrective Action – Upgrade the JSEA for removing grating to include a step not to walk on grating you are removing.

(3) Repetitive Actions – The process of replacing grating has been performed continuously in this manner.

Why? – Process was allowed to be completed multiple times without incident.

Corrective Actions – Implement an administrative control in the JSEA process.

(4) Inaccurate risk perceptions. – Employee stepped on grating twice prior to attempting to cross.

Why? – Assistance was needed to remove demoed grating.

Corrective Action – Upgrade JSEA to include the use of rigging to prevent grating from falling when removing grating and to prevent dropped objects.

SAFETY ALERT