

CCNPP3COLA PEmails

From: Nuse, Brenda D [Brenda.D.Nuse@cengllc.com]
Sent: Monday, March 28, 2011 7:24 AM
To: Quinn, Laura
Cc: Burkman, Jim
Subject: Calvert Cliffs horseshoe crabs

Laura,

Jim Burkman forwarded your message to me.

Calvert Cliffs has not done formal counts or survival studies on the horseshoe crabs that get into the intake. I spoke with our waterfront maintenance crew, who estimate the number of crabs removed from the trash racks at 4-5 thousand each year. Our current practice is to remove the horseshoe crabs from the trash racks using a mechanical rake. The crabs are then transported to the fish return system downstream of the security grating where they are returned to the Chesapeake Bay. The majority of the crabs are returned to the Bay live and in good condition.

Some of the horseshoe crabs (dozens) get through the trash racks and are carried over the traveling screens into the condenser waterboxes. These crabs do not survive.

The greatest numbers of horseshoe crabs on the trash racks occur around the full moon in May and June. This coincided with their mating patterns, when they head for shore.

We are testing two temporary structures to keep the horseshoe crabs from the trash racks, and encourage them to turn north or south and away from the plant. If successful, this will increase survival of the crabs by keeping them out of the water boxes and also reduce stress to these organisms by reducing the handling of them during the removal from the trash racks and transport back to the Bay.

If you have any questions, or need additional information, please let me know.

-Brenda

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From: Nuse, Brenda D

Created By: Brenda.D.Nuse@cengllc.com

Recipients:
"Burkman, Jim" <Jim.Burkman@constellation.com>
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"Quinn, Laura" <Laura.Quinn@nrc.gov>
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