

From: [Crane, Drew](#)
To: [Cathy Tortorici - NOAA Federal](#)
Subject: other info from 316b rule
Date: Tuesday, June 24, 2014 9:26:14 AM

Hi Cathy,

This are a couple requirements of all facilities that should aid the field offices in determining take. In addition to identifying all species that may be susceptible to impingement and entrainment they must provide (from page 13 of the Rule):

Entrainment Performance Studies. The owner or operator of an existing facility must submit any previously conducted studies or studies obtained from other facilities addressing technology efficacy, through-plant entrainment survival, and other entrainment studies. Any such submittals must include a description of each study, together with underlying data, and a summary of any conclusions or results. Any studies conducted at other locations must include an explanation as to why the data from other locations are relevant and representative of conditions at your facility. If you submit studies more than 10 years old, you must explain why the data is still relevant and representative of conditions at your facility and explain how the data should be interpreted using the definition of entrainment at 40 CFR 125.92.

Additionally, for the larger power plants which comprise ~ 50% of the regulated community (greater than 125 mgd), their application must include an *Entrainment Characterization Study* that includes a minimum of two years of entrainment monitoring. This study must include identification and documentation of organisms monitored to the lowest taxon possible of all life stages of fish and shellfish that are in the vicinity (action area) of the cooling water intake structure(s) and are susceptible to entrainment, including any organisms identified by the Director, and any species protected under Federal, State, or Tribal law, including threatened or endangered species.

I hope that helps a little.

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