

ATTACHMENT C – NCCW General Permit
Example BTA Components

The following is a list of potential components of the facility-specific BTA description. These are suggested components. Each suggested component that the permittee chooses to include in its facility specific BTA description shall be reported in the NOI.

- Use of a closed-cycle cooling system or withdrawing cooling water at a rate commensurate with a closed-cycle cooling system;
- A maximum through-screen design intake velocity at the CWIS of 0.5 feet per second or less;
- Operation of variable speed pumps to minimize the amount of cooling water withdrawn, to the extent practical;
- Use of alternative sources of cooling water to the maximum extent practical;
- Steps to minimize intake velocity;
- Steps to minimize cooling water use when operating;
- Use of rotating screens and an automatic fish return system or similar system to increase the likelihood that fish impinged upon intake structures will be returned to the source water with minimal stress;
- Locate the CWIS in, or relocate the CWIS to, an area where impingement and/or entrainment will be minimized;
- Use of low pressure spray (30 psi or less) rather than high pressure spray to remove impinged organisms from screens;
- Maintenance of CWIS bottom sills or dredging to minimize the influence of the intake velocity on impingement and/or entrainment of benthic or near benthic organisms; and,
- Maintenance of fine screen mesh or fish exclusion devices such as louvers or other modification of the CWIS to reduce mortality, impingement and/or entrainment.