

Improved beam luminosity requirements for the Relativistic Heavy Ion Collider (RHIC) at Brookhaven National Laboratory (BNL) require the use of Super Conducting RF (SCRF) Cavities. The installation of a newly designed 56 MHz SCRF cavity with a larger longitudinal bucket will allow a greater number of ions per bunch. A future Electron Ion Collider (eRHIC) will also require the use of SCRF cavities. The first step toward eRHIC is the Energy Recovery Linac (ERL), presently under construction at BNL. Because SCRF cavities are sensitive to particulate contamination, working on or near them presents challenges in handling, cleaning, assembling, testing and installation of associated vacuum hardware. The methods used to clean and control contamination during assembly and installation of ERL vacuum components and chambers will be discussed.