ADP Bucket inspection, cleaning, bagging & new bucket prep (updated 7/2009)

Inspection
1. Wipe any moisture, dirt and debris off the outside of all buckets and lids with a dry paper towel.
2. Inspect for cracks, chips, stains, and rust on the handle. Discard damaged buckets & lids and strike from the bucket & lid weights worksheet. If the weight appears to have changed (e.g. been chipped) but is still good be sure to reweigh, re-label and circle the defect.
3. Check that the ID and weights are still visible and legible. If necessary, rewrite with a sharpie and allow the ink to dry.

Rinsing
1. Put on a pair of nitril gloves and thoroughly rinse them with nanopure.
2. Rinse the exterior of the bucket/lid with nanopure to loosen any contamination. Use the small scrub brush if necessary.
3. Rinse the interior of the bucket/underside of the lid with nanopure.
4. Rinse the natural sponge thoroughly with nanopure, and then wipe the interior surface. Use the small scrub brush if necessary.
5. Rinse the interior surface with nanopure water four times, ¼ turn between each rinse.
6. Set upside down on the drying cart, or on white paper towels on the counter.
7. Buckets will dry within 24 hours if air is allowed to circulate inside (e.g. by resting on the handle of a neighboring bucket.

Bagging
1. Using 13 gallon bags for buckets and 4 gallon bags for lids (if available) place the buckets/lids into a new plastic garbage bag by using the outside of the bag as gloves. Buckets should have the open end towards the bottom of the bag.
2. Vacuum the air out of the bag and close with a twist tie.

New bucket prep
1. Clean new buckets as described above under bucket cleaning.
2. Fill bucket with DI water. While filling add 1ml of 0.6N HNO₃ solution (38.2ml conc. HNO₃/l) using a rinsed pipet tip. Fill bucket to 2cm below the rim.
3. Place a clean lid on top of the bucket and set aside for 7 days to leach.
4. After 7 days clean the bucket again as described under bucket cleaning.
5. Tare the 12kg balance in GWC 681 & weigh, recording the weight twice on the side and once on the bottom of buckets/top of lids.