

### Scope of Work of Pool Tank Surface Repairs

1. Work is to be completed while the pool is shut down (& the tank drained) for approximately 5 weeks in August 2012. Contact the Contract Administrator for exact dates of the pool shut down.
2. Work to include:
  - (a) acid etch cleaning of all pool tank walls: approximately 5400 sq ft on main tank & 3080 sq ft on lap tank  
acid etch cleaning of all pool tank floor: approximately 17,400 sq ft on main tank & 11,800 sq ft on lap tank
  - (b) re-grouting all joints between the existing 1"x1" ceramic tiles on all pool walls & the entire pool tank floor
  - (c) the extent of removal & replacement of existing ceramic tiles is not known and is NOT part of the bid price. Any repairs or replacement (if any is required) will be determined by the Contract Administrator after the pool has been drained.
3. A pre-tender site meeting & visual inspection will be available to all bidding contractors. Time & date of the site meeting will be provided by the Contract Administrator. The pool tank will not be drained during this site meeting but the building will otherwise be open for examination.

### Acid Etching Cleaning of Pool Tank Surfaces

1. Prior to starting any acid etching, provide adequate ventilation for both the pool building (which will have other contractors in the building during the pool shut down) and the pool tank. Provide adequate air exchange in the building and pool tank. Monitor building & pool tank for accumulation of gases produced during the acid etching cleaning. Provide both direct positive air supply and direct positive air exhaust from the pool tank to the exterior during the entire acid etching process. Provide ventilation equipment and protective clothing to workers as per Manitoba Health & Safety Regulations. Provide similar equipment for Contract Administrator and his inspectors if requested.
2. Prior to any acid etching, provide to the Contract Administrator a safety plan indicating handling procedures, mixing procedures, storage methods and emergency plans for approval by the Contract Administrator.
3. Prior to starting any acid etching, allow Contract Administrator to inspect floors and walls for damaged or loose ceramic tiles. These tiles are to be removed (not part of the base bid price) as directed by the Contract Administrator. This exposed concrete area is to be acid etched (part of this contract price) and replaced with new similar ceramic tiles when the floor is grouted (at an additional cost to the contract). The extent & location (if any) of this work is unknown at this point in time (as the pool will not be drained until August 2012).
4. Dilute muriatic acids (also known as hydrochloric acids) with water no greater than 1 part muriatic acid to 3 parts water ratio or as recommended by product supplier for this application. Mix acids and water in chemical resistant container in a safe work area with proper ventilation. Test acid & water mix in sample area of floor prior to starting work. One gallon of acid mixture should be allowed for each 50 to 100 sq ft of surface area. Provide to the Contract Administrator manufacturer's product literature of muriatic acid to be used for approval. Provide to Contract Administrator mix ratio to be used. Product & mix ratio to be used only if approved by Contract Administrator.
5. The surfaces should be dampened with clean, potable water prior to acid application without any ponding or puddles. Apply acid uniformly over surfaces with a low pressure spray system (and not dumped from pails onto floor surfaces then spread). Spray nozzle to be close to surface but not so close as to causing excessive splashing or air contamination.

# SK-5

Pool Tank Surface Repairs  
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