District 1-1 Hydraulic Analysis Certification Statement

By signing below, I agree that the public swimming pool hydraulic analysis submitted to the _____ County Environmental Health Department is free from error and meets all requirements of the Chapter 290-5-57 Department of Human Resources Rules and Regulations for Swimming Pools, Spas, and Recreational Water Parks. This includes but is not limited to the following:

- All applicable equipment meets NSF Standard Number 50 "Circulation System Components and Related Materials for Swimming Pools, Spas/Hot Tubs."
- Floor slopes, water depths, diving boards, underwater seat benches, pool stairs, pools ladders, and decks are designed to code.
- The equipment is adequate size to meet appropriate turnover requirements.
- Water velocity for discharge piping falls within the range of 5 – 10 feet per second. **By applying for a variance, it is possible to disregard the requirement to meet the minimum of five fps.**
- Water velocity for suction piping falls within the range of 4 – 6 feet per second.
- Water velocity over the main drain opening is not greater than 1.5 feet per second.
- Piping is sized to permit the rated flows for filtering and cleaning without exceeding the maximum head of the pump.
- The pump is sized to deliver the required flow rate against the total system head.
- Gauges, flow meters, and sight glass are present and located as required.
- Return inlets, skimmers, suction outlets, and main drains are quantified and located as required.

Furthermore, I understand that three inspections will need to be coordinated and conducted by the _____ County Environmental Health Department prior to issuance of a permit. The first inspection will be an inspection of the piping prior to pouring of the pool wall and bottom. At the time of this inspection, the contractor will be expected to perform a static hydraulic pressure test. The second inspection will be prior to filling the pool to ensure that the pool has the required markings. The third inspection will be of the barrier, deck, safety devices, signage, pool operation, chemical feeder, pool chemistry, etc.

Contractor or Engineer _____

Date _____