



State of Louisiana
Department of Health and Hospitals
OFFICE OF PUBLIC HEALTH

May 5, 2016

Brian Mistich, P.E.
Engineer
554 Old Spanish Trail,
Slidell, LA 70458

RE: Copper Mill Apartment Class C Swimming Pool
New Orleans, LA

Dear Mr. Mistich,

Plans and specifications for the above named project have been reviewed. The plans are DISAPPROVED pending resolution of the following items which appear to be in conflict with applicable provisions of the State Sanitary Code, or upon which further information is needed.

1. Please provide the engineering services permit application sheet for this project.
2. Will the construction joints where the pool coping meets the concrete deck be water tight? LAC.51:XXIV.323.J, "Construction joints where pool coping meets concrete deck(s) shall be watertight and shall not allow water to pass to the ground beneath."
3. Please clarify the language on general design requirements # 19 on page G-1.0, that the leading edge of the handrails facilitating the pool stairs will be no more than 18 inches plus or minus 3 inches horizontally from the vertical plane of the bottom riser. The note doesn't clarify the distance in respect to the leading edge. LAC.51:XXIV. 327.A.3.b, "The leading edge of handrails facilitating stairs and pool entry/exit shall be no more than 18 inches plus or minus 3 inches, horizontally from the vertical plane of the bottom riser (where applicable)."
4. Plans show two separate details for the scone/ sheer descent water features PL-1.1 Detail 1 and PL-1.3 Detail 4. Please clarify if the scone/ sheer descent water feature will have a separate circulation system from that of the pool. If there is a separate circulation system please indicate that the suction outlets as shown on PL-1.3 will have VGBA ANSI/APSP16-2011 complaint covers.
5. Please verify if the velocity calculations were performed with the pump size of 83 gpm.

6. Please provide manufacturer data sheets which demonstrates that the main drain and surface skimmer equalizer line suction covers will be rated for VGBA ANSI/APSP- 16-2011. Also please provide the open surface area for the suction covers showing that it is at least 4 times greater than the surface area of the suction pipe. LAC.51:XXIV.511.C.1, "The main drain outlet grating shall have an area of openings four times the area of the discharge pipe to prevent objectionable suction effects."
7. Please provide a typical detail on how the surface skimmer equalizer line will be connected to the surface skimmer.
8. Water features such as waterfalls may use up to 20% of the return water from the filter system but shall not count towards the recirculation rate. The features were found to use 18 gpm which is greater than 20% of the pumps design flow rate of 83 gpm. Please reference the letter from the State Health Officer which allows for waterfalls and deck jets for further information. Please make adjustments or consider design alternatives as necessary. Letter of Intent from the State Health Officer Concerning Deck Jets, Waterfalls, or Other Similar Features Used in Public Pools #3, "Water features such as waterfalls, fountains, deck jets, etc. in pools may use up to 20% of the return water from the filter system, however none of the water used in the feature shall be counted toward attaining the designed turnover rate. Return piping system shall be designed and capable of handling the additional feature flow when the feature is turned off. Features that require more than 20% of the flow rate shall be supplied by an additional pump that drafts from a suitable collector tank."

Sincerely,



Brandon Comeaux, E.I.
Region 1 Engineer Intern
OPH – District I