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**Engineering Comments on SUP Application for 550 Union Avenue - Lake Local PB# 16.045**

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**From :** Timothy Wales <timothy.wales@saratoga-springs.org>

Thu, Feb 09, 2017 01:38 PM

**Subject :** Engineering Comments on SUP Application for 550 Union Avenue -  
Lake Local PB# 16.045

**To :** Vincent DeLeonardis <vincent.deleonardis@saratoga-springs.org>, Brad Birge <bbirge@saratoga-springs.org>, Kate Maynard <kate.maynard@saratoga-springs.org>, Susan B. Barden <susan.barden@saratoga-springs.org>, Meg Kelly <meg.kelly@saratoga-springs.org>

**Cc :** Tim Wales <tim.wales@saratoga-springs.org>, Lindsey Gonzalez <lindsey.gonzalez@saratoga-springs.org>

Below are my comments from review of the SUP Application for today's meeting regarding the Lake Local. My apologies for not getting them to you sooner.

1. Upon review of the NYSDEC Permit for the expanded Docks at the Facility, it appears that the dock expansion is in violation of the Issued Permit in the following ways:
  - a. The Permit approves "Rehabilitation" of the existing docks, however a significant expansion has occurred.
  - b. The Permit indicates that it does not eliminate the need for an ACOE Permit. ACOE Permit Information was not provided.
  - c. The Permit requires written approval from the Floodplain Administrator must be kept on file. No approval from the City Floodplain Administrator, Steve Shaw was provided.
  - d. The Permit requires that a permit sign shall be posted in a conspicuous location on the worksite. No sign was ever observed during site visits.
  - e. The Permit requires that there shall be no unreasonable interference with navigation by the work herein authorized. The docks extend beyond the first opening of the bridge, and halfway into the second opening, causing navigation to be shifted towards the middle and far side of the bridge openings. There are 5 openings between bridge abutments. This presents a significant safety hazard to navigation, especially at times when the SRA has events such as the Head of the Fish with over 2000 boats present using the bridge openings. This pushes recreational navigation to the outer bridge openings.
  - f. The Permit requires that a copy with all referenced maps, drawings and special conditions must be available for inspection at all times at the Project site. I have not seen a copy down there.
  - g. A discussion with the NYSDEC Regional Attorney revealed that they were not aware that the docks have been installed and that they are present during the winter months. Was the NYSDEC provided with a "Notice of Intent to Commence Work" prior to construction as required by the Permit.

At this point, written documentation from the NYSDEC responding to these issues and verifying that the facility is fully in compliance with all NYSDEC Permit Provisions for the docks, and verification from the ACOE that no permit is required, must be submitted.

2. The facility has demolished structures and made improvements to the parking lot areas in excess of 0.10 acres. Consequently they are in violation of the SWPPP Rules and a SWPPP must be completed for the site presently. If the Applicant's Engineer would like to present a case to the contrary, they should

submit this for City Engineer Review. FEAF page 6, indicates stormwater will be collected onsite and detained. Information on this must be provided in the SWPPP.

3. The current status and use of all water connections to the City System should be submitted to the City Engineer, including the disposition of the Water Pump House at the north end of the site. According to the FEAF, a peak flow of 20,000 gallons per day was proposed. An Engineering report with how this estimate was arrived at and a review of the City Water Flows in pressures in this area must be submitted in associated with the City Water Model.

4. The FEAF indicates that No Substantial Traffic Increase above existing levels will occur. This is not supported by any submitted information.

5. FEAF Page 13 indicates that the facility ins not within five miles of any officially designated and Publicly accessible federal, state or local scenic or aesthetic resource. This is incorrect as the City's Waterfront Park is nearby, as well as the State Boat launch across the bridge.

6. Compliance Plan C-1 Indicates that 108 Parking Spaces are provided. However, 108 spaces are not shown on the plan and are not numbered

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