APPENDIX L
LIFT STATION FIELD EVALUATIONS
Bonney Lake Lift Station Notes – Following list station observation conducted on 06/14/2016

General Notes:

• City would prefer load stacks on generators
• Stations do not have force main isolation valves
• City prefers pressure transducers with float backups

LS 1 – 18215-A 95th Loop St. E.

• Piping in valve vault very close to floor
• Small grease mat in wet-well
• No general issues or odor issues
LS 2 – 9914 176th Ave. E.

- No general issues or odor issues
- This station is not equipped with the cities standard “Flygt” pumps
- Future development coming to this station
- Bioxide present at station
LS 3 – 18704 82nd St. E.

- No general issues or odor issues
- Station services a school
- Handles a large amount of grease from the school
LS 4 – 18308 77th St. E.

- No general issues or odor issues
LS 5 – 7002 Myers Road

- No general issues or odor issues
- Very small service area
LS 6 – 18723 A Mcghee Drive

- No general issues or odor issues
- Low flow station
- Pump only has 1400 hours from the last 31 years
LS 7 – 19307 65th St. E.

- No general issues or odor issues
- Low flow station
LS 8 – 6603 185th Ave. E.

- No general issues or odor issues
Take a further look at future options for this station
• Very shallow wet well
• Long problematic force main leaving this station
• Bioxide present at station but not used
• Floor drain in valve vault does not drain effectively
LS 10 – 22609 Connells Prairie Rd.

- No odor issues
- Bioxide present
- Minor coating issues in valve vault
- This station scheduled to be upgraded
  - Two future lift stations to come to this station
LS 11 – 5531 W. Tapps HWY

- No general issues or odor issues
LS 12 – 20601 60th St. E.

- No general issues or odor issues
- Twin of station 16
LS 13 – 20919 Church Lake Drive

- No general issues or odor issues
- Newer pressure transducer
• No odor issues
• Discharge piping and guide rails showing signs of age and rust
• Force main leaving this station runs over the lake on a bridge alongside water main
LS 15 – 7418-A Vandermark Road

- No odor issues
- Discharge piping slightly rusty
- Low flow station
LS 16 – 20825 60th St. E.

- No general issues or odor issues
- Twin of station 12
- Largely fed by grinder pump stations
LS 17 – 9301 Angeline Rd.

- Largest lift station
- Buildings present at this station
- No odor issues
- Mulch filters used for odor control
- Bypass port present
- 95% of city’s sewer passes through this station
- Old generator (1985) described as a “bomb”, was almost replaced but cost of removing generator from building was too high
• No odor issues
• Coal tar epoxy coating in wet-well coming off of lower walls
• Possible new lift station being put in near here in the future
LS 19 – Willowbrook (Address not listed on sign)

- No odor issues
- Bioxide present
- Wet-well coating peeling in various locations
- Bypass pumping port at this station
LS 20 – Spring Haven (Address not listed on sign)

- No odor issues
- Coating failures in wet-well and valve vault due to H2S coming from station 9
- Station has an ultrasonic transducer which was installed recently and is already failing
LS 21 – West Hill Dr.

- No general issues or odor issues
- Charcoal filters used for odor control
- Availability for a third pump
- Pumps at this station were specifically designed for this station
  - Having a spare pump would be useful
- Building present
LS 22 – Brookfield (Address not listed on sign)

- No general issues or odor issues
- Bioxide present
- Fed largely by grinder pump stations
- Pig port present
LS 23 – 22225 96th St. East

- Not yet operational