

QUESTION 18

WASTEWATER MANAGEMENT

CITY OF NEW SMYRNA BEACH (LETTER DATED JANUARY 17, 2008)

Comment 15: As outlined in our Comment 7.1, in 2007, there was an annual average of 18,870 wastewater accounts. The Utilities Commission, City of New Smyrna Beach has planned for a capacity for 26,278 accounts in 2020. The projects in the service area that are at various levels of approval may bring 7,408 ERUs demanding potable water by 2020. Additionally, the Utilities Commission, City of New Smyrna Beach planned for an increase of average daily flow of .76 mgd. Therefore, 40 percent of the planned growth in demand for wastewater treatment in the service area would have to be earmarked for this project to treat the .304 mgd.

Since the development program now involves the City of New Smyrna Beach during Phase III, the abovementioned analysis is required so that the City has sufficient information to conduct a complete review of the ADA and create a report with recommendations.

Located in Appendix 12-1 and the attached CD is the proposed Site Mitigation and Management Plan (SMMP) Executive Summary which includes our proposed water quality monitoring program. Additional information regarding the proposed stormwater management plan (including water quality treatment features) can also be found in Question 19. It should also be noted that the recent St. Johns River Water Management District Consumptive Use Permit issued to the City of Edgewater includes specific conditions regarding water quality monitoring required of the City as part of their planned wellfield expansion on the Restoration project site. The Applicant is also working together with the City of Edgewater on these requirements.

VOLUSIA COUNTY GROWTH AND RESOURCE MANAGEMENT (LETTER DATED JANUARY 15, 2008)

Question 18 C., Wastewater Treatment - Municipal Service Provision: The DRI ADA application (Question F. 2.) requires that the applicant's response should identify "...required capital improvements, timing, cost, and proposed responsible entity for each phase in which service is unavailable." The applicant has provide the projected demand based on the change to the proposed building program, but not the needed capital improvements, timing, and cost as required by this question.

There is currently adequate wastewater infrastructure available at the southeast corner of the development to accommodate commencement of the project. Extension of existing lines to and through the development will be constructed by the project. Future enhancements to the existing City of Edgewater wastewater system are currently being defined and refined by the City of Edgewater. The Applicant has previously expressed and continues its commitment to cooperate with the City in this effort. In that the exact requirements of the City are not yet specifically defined, a specific list of capital improvements is not available. All necessary capital improvements will be completed in conjunction with the City of Edgewater.

Table 18.A-1 DRI
Wastewater Generation Rates for Each Phase of Development
May, 2008

| Phase/Land Use | Wastewater Generation (MGD) | On-Site Wastewater Treatment (MGD) | Off-Site Wastewater Treatment (MGD) |
|-----------------------------|------------------------------------|---|--|
| Phase 1 (2007-2013) | | | |
| Single-Family Residential | 0.631 | 0 | 0.631 |
| Multifamily Residential | 0.147 | 0 | 0.147 |
| Commercial/Retail - General | 0.033 | 0 | 0.033 |
| Office | 0.025 | 0 | 0.025 |
| Phase 1 Subtotals | 0.836 | 0 | 0.836 |
| Phase 2 (2014-2018) | | | |
| Single-Family Residential | 0.299 | 0 | 0.299 |
| Multifamily Residential | 0.264 | 0 | 0.264 |
| Commercial/Retail - General | 0.071 | 0 | 0.071 |
| Office | 0.109 | | 0.109 |
| School | 0.006 | 0 | 0.006 |
| Phase 2 Subtotals | 0.749 | 0 | 0.749 |
| Phase 3 (2019-2023) | | | |
| Multi-family | 0.593 | 0 | 0.593 |
| Commercial/Retail – General | 0.067 | 0 | 0.067 |
| Office | 0.059 | 0 | 0.059 |
| Phase 3 Subtotals | 0.719 | 0 | 0.719 |
| PROJECT TOTALS | 2.304 | 0 | 2.304 |

Note: Wastewater Treatment may be provided in a plant to be constructed on a portion of the site to be conveyed to the City of Edgewater. As such, the facility is considered to belong to the City of Edgewater and to be on Edgewater property and is therefore treated as if off-site.