1. Does subsidence add to difficulties encountered by local planners (non-Federal) and if so, discuss the problems they experience because of this settlement. (e.g., list of types of problems they are causing)

A-1. Subsidence is a significant problem in the New Orleans Metropolitan Area except immediately adjacent to the Mississippi River where foundation conditions are much better along natural levees. Areas away from the river must be drained by pumping and usually filled prior to development. Buildings, including residences, must be founded on pilings, and earthern structures such as levees must be founded on wide berms. Roadways and other structures, including levees, founded without pilings subside over time. Levees require periodic maintenance while the subsidence of streets relative to buildings is primarily a nuisance-type problem.

2. Lake Pontchartrain Hurricane Surge - When is the Lake [illegible] Hurr Prot Proj scheduled for completion and have significant elements of the program or project been eliminated? (e.g., give background where Congress has authorized hurricane protection; features [illegible] eliminated, [illegible] schedule)

A-2. [illegible] Lake Pontchartrain project [illegible] the [illegible] area and the barrier [illegible] would be [illegible] [illegible] by the standard [illegible] [illegible] contiguous [illegible] [illegible] by high level [illegible] [illegible] levee [illegible] [illegible] feature, [illegible] completion of the barrier [illegible] surges from [illegible] the lake [illegible] [illegible] has deferred pending completion of [illegible] studies [illegible] an environmental impact statement. The St. [illegible] Parish [illegible] has been indefinitely deferred for environmental reasons. The ongoing reevaluation studies have tentatively concluded that a high-level plan is favorable to a barrier plan. The barrier feature would not be included in the high level plan. Protection would be provided by raising levees. The reevaluation studies will probably result in the recommendation that the St. Charles Parish levee be constructed inland along an alignment that is not as environmentally sensitive yet protects all existing development.

3. Will the completed project leave the N. O. area safe from a flood and disaster from a hurricane? Yes (give degree of protection)

A-3. Yes. The completed project, as authorized, would provide a "standard project hurricane" level of protection to the developed portion of the New Orleans Metropolitan area located generally between the Mississippi River and Lake Pontchartrain in Orleans, Jefferson, St. Bernard, and St. Charles Parishes. The standard project hurricane is a theoretical event which represents a composite of storm parameters estimated from historic events. The design of the entire Lake Pontchartrain, Louisiana, and Vicinity hurricane protection project was not based on a single standard project hurricane. Each reach of levee was based on a specific standard project hurricane critical to that reach. The standard project hurricane does not have a specific average frequency of recurrence, however, it is estimated to have a frequency exceeding 200 years.

FINAL VERSION FACSIMILE HEADER SHEET
(ER 105-1-5)

FROM (Name) Joey Dykes	OFFICE SYMBOL LMNPD-F	TELEPHONE NO. X 2507	RELEASER'S SIGNATURE John C. Wilson	
TO (Name) Tom Hill	OFFICE SYMBOL LMVPD-F	TELEPHONE NO. X 5833	# PAGES 2	PRECEDENCE
SUBJECT				DTG 4-29-83