Supporting Documentation For LPSNRD Groundwater Reservoir Water Well Permits

Class I Permit

☐ Water quality analysis of samples from a qualified laboratory. Samples are to be taken after 24 hour pump test at 100% of the designed pumping rate. Results to be attached include Sodium (Na), Chloride (Cl), and Total Dissolved Solids (TDS).

Class II Permit

☐ A copy of the well log to determine the geologic formation.

☐ An accurate static water level.

☐ An aquifer test with at least observation well, and all necessary drawdown and pumping data, as required by the District. Aquifer test must be designed by and supervised a licensed professional geologist or engineer.

☐ Water quality analysis of samples from a qualified laboratory. Samples are to be taken after 24 hour pump test at 100% of the designed pumping rate. Results to be attached include Sodium (Na), Chloride (Cl), and Total Dissolved Solids (TDS).

☐ A hydrogeologic analysis report considering the impact of the proposed withdrawal on the current groundwater users and the minimum twenty (20) year impact on the aquifer for potential users shall be prepared and submitted. The report must be prepared by a licensed professional geologist or engineer.

Name, Address and License Number of the Licensed Professional Geologist or Engineer

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Salt Water Well Permit

☐ Water quality analysis of samples from a qualified laboratory. Samples are to be taken during pumping at various pumping rates. One sample each shall be taken at a pumping rate of 5 gallon per minute or less, at 50% of designed pumping rate, and at 100% of the designed pumping rate. Results to be attached include Sodium (Na), Chloride (Cl), and Total Dissolved Solids (TDS).

☐ Water quality analysis of samples from a qualified laboratory. Samples are to be taken during a 24 hour pump test at 100% of the designed pumping rate. One sample each shall be taken within the first 15 minutes of the beginning of the test, within 15 minutes of the halfway point of the test, and within 15 minutes of the end of pumping. Results to be attached include Sodium (Na), Chloride (Cl), and Total Dissolved Solids (TDS).