The condition of the domestic waters which has a limited depth of water can inhibit the cruise of LPG / Ammonia Tanker as the distribution of transportation equipment LPG / Ammonia. This is due to draft restrictions that must be met in order for the ship can operate even though the load conditions are not optimal. To avoid this, the ship must have a primary measure of the right to distribution in shallow draft conditions remain optimal. Dealing with the problem, a calculation methodology to generate draft with the limit of the optimum main dimension of the NPV of it’s views, which is expected in full. Having made progress, the methodology was applied to the problems that occurred due to silting of the river which belongs PT.PUSRI ammonia vessels operating in the Musi river. With the help of the foregoing methodology, carried out various scenarios due to the variation of draft and speed as the main measure of consideration due to anchoring as determinants draft scenarios and speed optimizations.

**Keywords:** Limited draft, LPG / ammonia, and optimizations.