

Research Study of Planning for Longer Life and Stock Management

Year of research	2009~2011	Appropriate stock management
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(Purpose)

Regarding Stock Management(SM) of sewerage facilities that consults on management of facilities, overlooking the whole them, “Basic Way of Thinking of Stock Management in the Sewage-works (a plan)” was published in March, 2008. There are several cities which are consulting on SM based on this document. This study aimed to clear up concrete procedure and means for SM of whole sewerage facilities, and to reveal relationship between SM and planning for longer life.

(Results)

Draft of “Manual for Stock Management Means of sewerage facilities (draft)” that was consisted main volume and reference materials volume was drawn up. Pre-implementation, setting of target and PDCA cycle of Stock Management Flow is shown Figure-1.

【Main Volume】

- Briefing SM
- Pre-implementation
 - This item was set as a process that should be prepared before studying PDCA cycle of management.
 - Future long-term reconstruction demand and introduction effect were studied using past data.
- Comments for PDCA
 - Prioritization of work by risk analysis was positioned, taking the trend of International Conference on Asset Management of Water and Sewer Service into account.
 - Conducting efficient and effective inspection, investigation and reconstruction/repair was shown.
 - Procedure of planning that consist of long term (more than 20~30 years) plan and short term (about 5 years) detail plan (planning for longer life) were explained.

【Reference Materials Volume】

- Pre-implementation Volume
- Sewer-pipe Management Volume
- Facilities of Treatment Plant, Pump Station Management Volume

(future subject)

Part for financial resource management such as accounting means isn't included in SM. Because financial resource management is important matter for municipality, it's necessary to expand into asset management.

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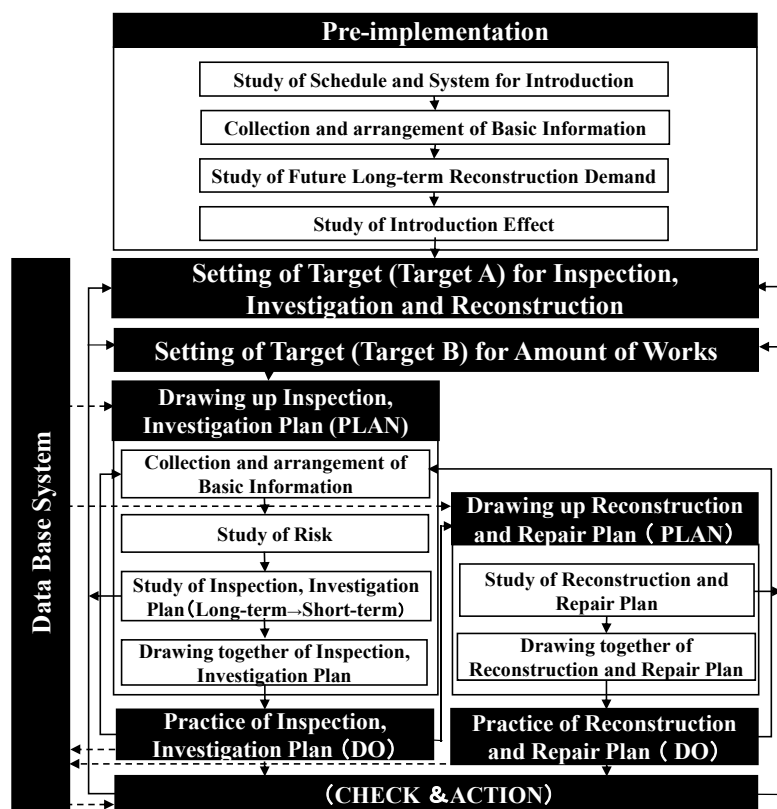


Figure-1 Pre-implementation, setting of target and PDCA cycle of Stock Management Flow

Key words	Planning for Longer Life, Stock Management, Risk, ISO/TC224
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