

ABSTRACT

Appraisal of Community Swimming Pool (CSP) Facilities Maintenance Management Practices of the Ministry of Sport of Trinidad and Tobago (TTMoS)

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Maintenance is a major issue in the public sector and like the rest of the world; most sporting facilities in Trinidad and Tobago suffer from inadequate physical conditions. It is therefore crucial for the TTMoS to have an effective maintenance management plan so as to ensure the health, safety and welfare of all stakeholders.

In this thesis, a maintenance management appraisal was undertaken to review, analyse and recommend improvements in maintenance performance efficiency and effectiveness at the Community Swimming Pools under the purview of the TTMoS, based on nine (9) key elements for effective maintenance management.

Data was gathered from both primary and secondary sources such as questionnaires, interviews, observation, books, journals and websites.

A Maintenance Measurement Performance Framework/Audit Grading Scheme was developed and utilised in assessing the effectiveness of the maintenance management practised by the TTMoS. The analysis of data

was also accomplished via the measurement of central tendency, One Sample T-Test, Analysis of Variance (ANOVA), cross-tabulation analysis, pairwise comparison and prioritisation matrix.

From the literature reviewed and the data collected it was found that the TTMoS's main maintenance strategy was unplanned Corrective Maintenance. The effectiveness level of the maintenance management practised by the TTMoS was at Level 2 – Development, and in order to make significant development in its maintenance management practices, the following key elements required substantial improvements;

- Policy Deployment and Organisation;
- Maintenance Approach;
- Human Resource Management; and
- Financial Aspect.

Keywords: Varendra Rambox; Maintenance Management; Ministry of Sport of Trinidad and Tobago.