Assessment Brief

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| Module Code and Title: |  Project and Asset Management |
| Assignment title: | Application of Whole Life Asset Management to Environmental Infrastructure |
| Assignment type: | Major |
| Set Date |  |
| Submission Date: |  |
| Submission Place: | VLE – Blackboard Turnitin Assignment |
| Feedback Date: |  |
| Type of Feedback: | Individual and Generic |

Learning outcomes

On successful completion of the assignment, the student will be able to:

1. Understand whole life asset management.
2. Appreciate the specific challenges to environmental assets in a whole life context.

Task

Infrastructure systems face growing pressure from a variety of sources. In many cases, there are aging infrastructure issues to contend with. Write a report explaining how the application of whole-life asset management can improve the decision-making and performance of environmental infrastructure assets (water, wastewater, solid waste, etc) and help reduce some of the emerging risks to these asset systems.

**(4000 words main text)**

Note: This answer should demonstrate how benefits are derived from the application of asset management on an environmental related asset. You can use single or multiple case material to support your answer. This project is about your ability to demonstrate an understanding of whole –life asset management in an environmental context. There must be a clear reflection on how asset management approaches help your answer. In addition to the lectures look at ISO55000, or AAMCOG to develop your understanding of the concepts you need to consider. You can also choose to answer the question by picking a single type of asset system such as water supply. You can choose to develop an asset management approach for system/organisation of your choice. The alternate approach is to take an existing asset management case and review the process from the context of standards.

It is important you reflect on the case material. Copy pasting of case material does not answer the question. You must reflect on the elements of asset management that are present in the case. (Good or bad)

**Work to be submitted via the VLE as a single document.**

Assessment Criteria

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| Section | Criteria | Contribution |
| Section A – Introduction (5%) | Clear aims, structure, and logic | Clarity of aim and logic |
| Section B – (90%) | Development of the argument – context and understanding. Demonstrate you understand whole life concepts and can apply them in an environmental context.There should be a reflection on strategies, plans, performance and risk. | Case background (20%)Asset Management Policy (10%)SAMP (30%)CI/Maintenance/Demolish (20%)Risk appreciation (20%) |
| Report (5%) | References and Language | References (70%)Language (30%) |