Figure 5.1 – Fuel Bundle

28 FUEL ELEMENTS PER FUEL BUNDLE

End View

1 Zircaloy Bearing Pad
2 Zircaloy Fuel Cladding
3 Zircaloy End Support
4 Uranium Dioxide
5 Can/lb Graphite Interlayer
6 Interelement Spacer
7 Zircaloy End Cap
8 Pressure Tube
9 Calandria Tube

FUEL BUNDLE DIMENSIONS :
OUTSIDE DIAMETER = 100mm
LENGTH = 495mm

FUEL BUNDLE WEIGHT = 24.57 Kg
Figure 5.3
Module Storage Cask

MODULE STORAGE CASK DIMENSIONS:-
WIDTH = 2.120m
DEPTH = 2.419m
HEIGHT = 3.550m

MODULE STORAGE CASK WEIGHTS:-
EMPTY = 60,000 Kg
FULLY LOADED = 70,000 Kg
(384 FUEL BUNDLES)
Figure 5.4 – Fuel Basket

FUEL BASKET DIMENSIONS:
OUTSIDE DIAMETER = 1070mm
HEIGHT = 560mm

FUEL BASKET WEIGHTS:
EMPTY = 450 Kg
FULLY LOADED = 1924 Kg
(60 FUEL BUNDLES)
Figure 5.5
Basket Storage Cask

WEIGHTS :
EMPTY = 30,200 Kg
FULLY LOADED = 43,700 Kg
Figure 5.8 – Irradiated Fuel Transportation Cask (Complete with Impact Limiter)