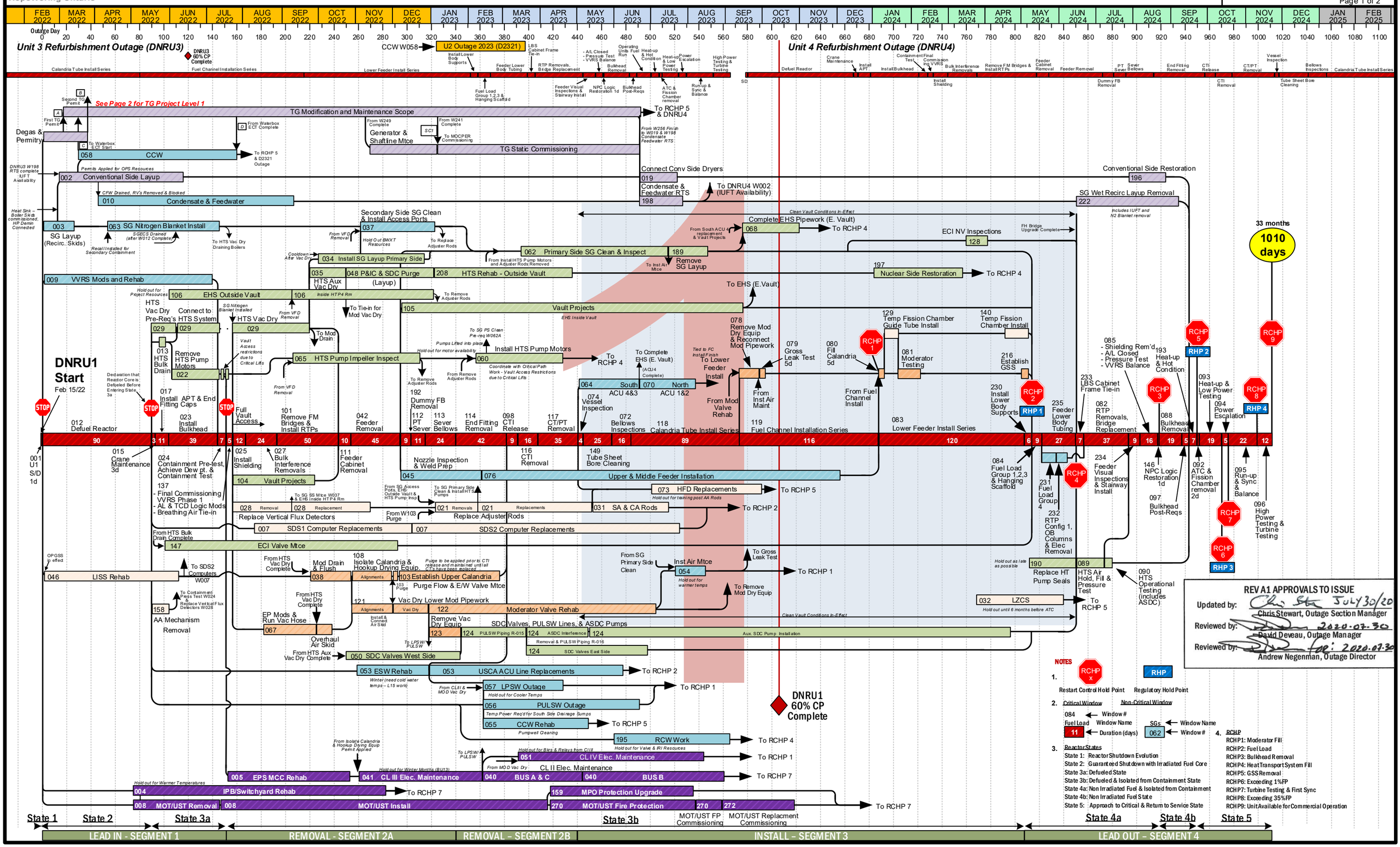
DARLINGTON REFURBISHMENT Repowering Ontario

Unit 1 Refurbishment – DNRU1 Level 1 Overview

Critical Path Windows
Electrical Windows
Moderator Windows
Turbine/Generator & Conv Layup
Reactivity Device Windows
Heat Transport System Windows
Conv Water Windows
Miscellaneous Windows

Revision A1
July 30, 2020



REV A1 APPROVALS TO ISSUE

Updated by: Chris Stewart, Outage Section Manager — July 30/20

Reviewed by: David Deveau, Outage Manager — 2020-07-30

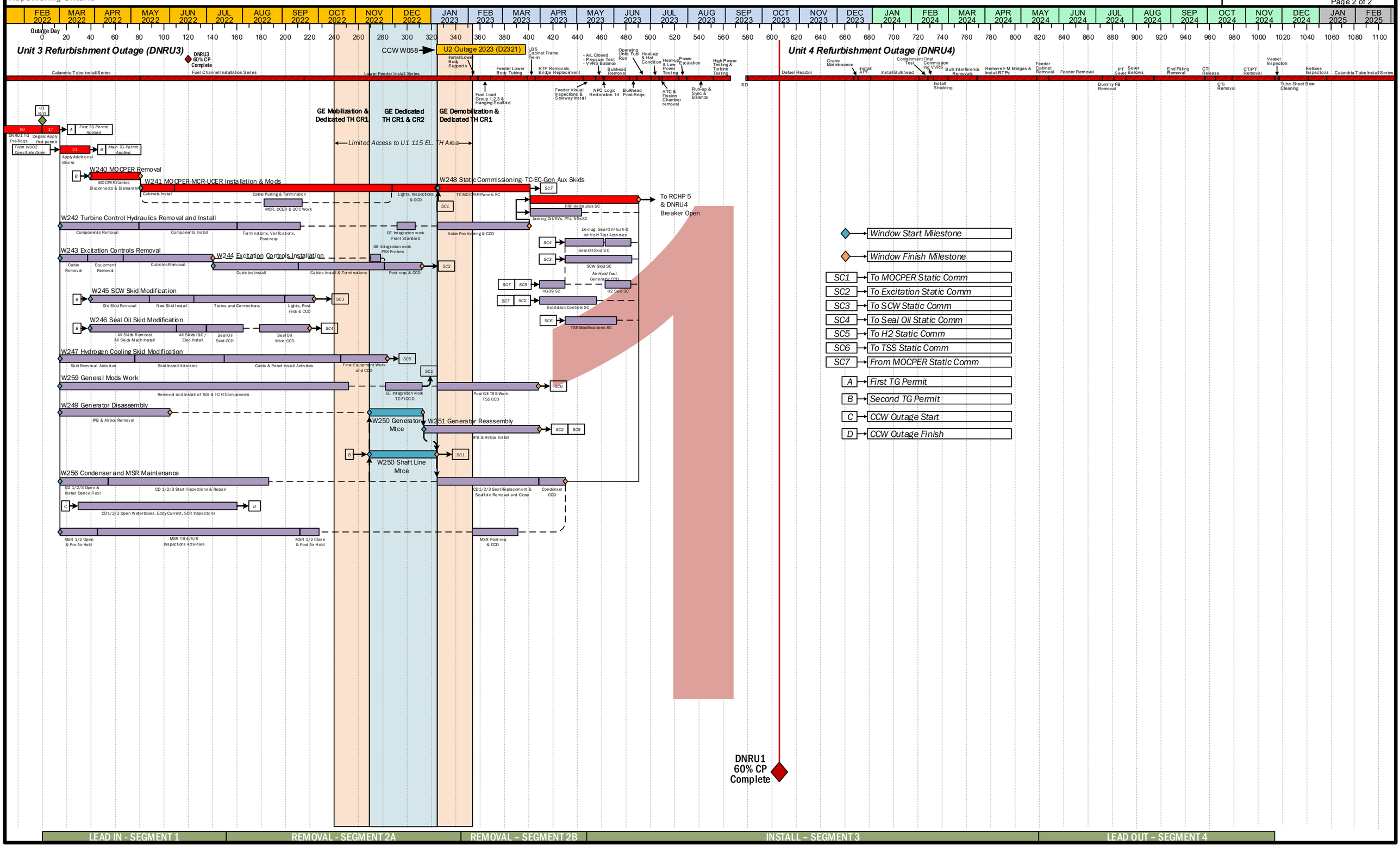
Reviewed by: Andrew Negenman, Outage Director — for: 2020-07-30

NOTES

1. RCHP x — Restart Control Hold Point; RHP — Regulatory Hold Point
2. Critical Window / Non-Critical Window
   084 ← Window #
   Fuel Load — Window Name; SGs — Window Name
   11 ← Duration (days); 062 ← Window #
3. Reactor States
   State 1: Reactor Shutdown Evolution
   State 2: Guaranteed Shutdown with Irradiated Fuel Core
   State 3a: Defueled State
   State 3b: Defueled & Isolated from Containment State
   State 4a: Non Irradiated Fuel & Isolated from Containment
   State 4b: Non Irradiated Fuel State
   State 5: Approach to Critical & Return to Service State
4. RCHP
   RCHP1: Moderator Fill
   RCHP2: Fuel Load
   RCHP3: Bulkhead Removal
   RCHP4: Heat Transport System Fill
   RCHP5: GSS Removal
   RCHP6: Exceeding 1% FP
   RCHP7: Turbine Testing & First Sync
   RCHP8: Exceeding 35% FP
   RCHP9: Unit Available for Commercial Operation

DARLINGTON REFURBISHMENT Repowering Ontario

Unit 1 Refurbishment – DNRU1 Level 1 Overview – TG Project

Critical Path Windows | Turbine/Generator & Conv Layup | GE Generator & Shaft Line Maintenance

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