

**Record of Post-0403 Earthquake Recovery Work by General Affairs Department
up until April 16th, 2024**

1. Completed Work

Date	Completed Work
0403	<ul style="list-style-type: none">● "Restored hot water supply in Dormitory 4, and power supply in Dormitory 6 and Duo-Rong Community House.
0408	<ul style="list-style-type: none">● The Fire Department has completed the investigation of the incident at the Engineering Building.● Ji-Xian Community house started the online lunch reservation service; and will continuously update the operational status of the vendors on the platform.● Restored water supply in Dormitory 1.
0409	<ul style="list-style-type: none">● Restored water supply in Humanities and Social Sciences Building 1.● Completed the compilation of disaster damage.
0410	<ul style="list-style-type: none">● Completed the repair of air-conditioner system in the Library.● Cooperative vendors from the Environmental Resources Center at National Cheng Kung University have come to assess the post-disaster chemical waste cleanup process and costs in our laboratories. The assessment has been completed, and arrangements will be made for the cleanup and disposal at a later date.
0411	<ul style="list-style-type: none">● Completed the cleaning of all public spaces in the administrative and teaching buildings.● Except for two damaged water dispensers which had been sent for repair. The rest had been repaired and the supply of drinking water is now back to normal.
0412	<ul style="list-style-type: none">● The temporary electrical wiring in Engineering Building is completed.

2. Summary Working Progress

Planned to arranged for the commissioning and procurement of air conditioning equipment services for the administrative building. It is expected to complete the planning by May of 2024 and proceed with the tendering process. The estimated duration for the project is around 2-3 months.

1. Continuing waste disposal operations.
2. Tendering for the repair of light steel frames and ceilings in the teaching administrative area (excluding Library & Engineering Building II).
3. Outsourcing of post-disaster chemical waste cleanup worked.
4. Power Supply for the College of Arts: Currently, we continue to used dehumidifiers and fans to evaporate moisture on the electrical equipment. We have contacted several high-voltage electrical testing companies in Hualien multiple times on April 12th and 15th. The fastest one indicated that they would only be able to come to the school for testing on the 17th to check if the electrical equipment has been damaged by water. Follow-up actions will continue.
5. Restoration Plan for Engineering Building 1 ABC side
 - (a) Electrical Engineering: Since side D is connected in series with side A, B, and C for power supply, disconnecting the power supply of side D will cause side A, B, and C to lose power. Currently, the mechanical and electrical technicians are redesigning the circuits and proposing improvement plans to change each building to an independent circuit. It is estimated that emergency procurement and circuit alteration will take at least 3 months.
 - (b) Structural:
 - Building: Including problems such as cracked walls, deformed door leaves, and burst cooling water pipes of air conditioners. Due to the numerous damaged areas, the repair time is estimated to be more than 5 months. It has been entrusted to an architect for planning, and it will be bundled for bidding and repair.
 - After the Hualien County Architect Association and National Center for Research on Earthquake Engineering conducted inspections, they stated that the main structure of the Engineering Building 1 was not damaged in this

earthquake, only cracked brick walls and peeling paint layers, which can be repaired. As a precaution, the General Affairs Office has commissioned a structural engineer to conduct seismic assessments. The initial seismic assessment report will take at least 2 weeks to be issued after the inspection on Wednesday (the 17th).

6. Engineering Building II and The Library:

(a) Ceiling:

- The damaged locations have been inspected with the manufacturer and confirmed. Due to the need for interior decoration materials to match the original materials, the manufacturer needs to tally the quantities and order materials, which will be uniformly replaced later. For the large-scale dropping in the classrooms, the architect is responsible for designing seismic belts and seismic frames, or other construction methods. The quantity of the ceilings needed in the Engineering Building II is expected to be tallied this week.
- The library's ceiling area is too large, to avoid large-scale falling again, the architect will design seismic belts and seismic frames.

(b) Power supply for some places in the Engineering Building II: The contract manufacturer of the school stated that due to material procurement issues, it is estimated to take half a year. Due to the long restoration period affecting usage, another Taipei manufacturer was contacted on April 15th to assess other repair options.

7. Repair Progress of Dormitory I's Water Tower: One water supply pipe has been temporarily repaired. The manufacturer has completed the planning and quotation for the re-piping of the external pipes, and will start the work in a few days.

8. Renovation Project of Dormitory 3 (Male / Female)

(a) Due to the displacement of the system bathroom caused by the earthquake, the pipelines have cracked, and repairing them will take considerable time. It is feared that it may be necessary to demolish partitions for repair. To facilitate construction operations, it is necessary to evacuate residents for urgent repairs. It is expected to make every effort to complete the repairs of one building by September of this year, and then proceed to repair the other building, and complete all dormitory repairs before the second semester of 113.

(b) For the urgent repair of ceilings and toilets, the manufacturer has been commissioned to conduct pipeline inspections and confirmations, and it is expected to complete all room inspections (300 rooms) by the end of work on Friday (the 19th), and then proceed with disaster urgent repair procurement.

9. New Chemistry Building: While checking of space requirements of the College of Science and Engineering, project management and engineering bidding operations are being carried out simultaneously.