

KIX Early Recovery Plan

September 10, 2018



Shaping a New Journey



**KANSAI
AIRPORTS**

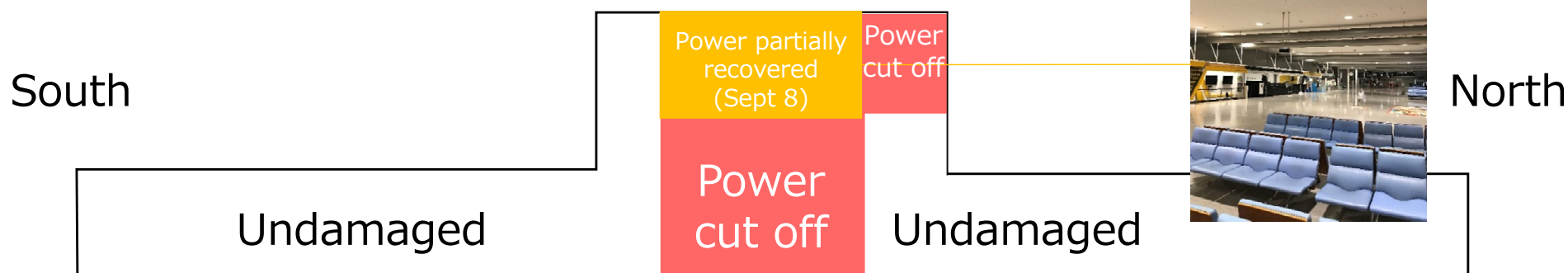
Our Early Recovery Plan

| Recovery status | (1) Emergency | ➔ (2) Tentative | ➔ (3) Full scale |
|-----------------|---|--|--|
| Time | Sept 7, 2018 (3 days after the typhoon damage) | After 1 week | TBD |
| Goal | Operation of domestic flights at T2 | <ul style="list-style-type: none"> Partial operation of international/domestic flights at T1 Full operation at T2 | <ul style="list-style-type: none"> Full operation at T1 Operation of international cargo flights |
| Details | <ul style="list-style-type: none"> Take-off and landing facilities on Phase II Island T2 Domestic T2 International (Partial operation started on Sept 8) | <ul style="list-style-type: none"> Runway A, taxiway and part of apron T1 Main Terminal <ul style="list-style-type: none"> - South check-in facilities on Level 4 - CIQ facilities T1 South Wing | <ul style="list-style-type: none"> Runway A, taxiway and entire apron T1 Main Terminal (Level 4: All check-in facilities) Entire T1 International Cargo Area |


T1 Ancillary Facilities

| No. | Date | September 7 | September 14 (After 1 week) | Efforts |
|-----|--------|---|--|--|
| 1 | Sept 7 | Lighting: partly outage Disaster prevention: flood damage (partly) AC: flood damage (partly) ES: flood damage on monitoring equipment EV: flood damage on monitoring equipment Service lane: drainage finished | Lighting: operational Disaster prevention: operational AC: partially fixed ES: operational EV: partially fixed | [Lighting, Disaster prevention] Full recovery expected on Sept 20 [AC, ES, EV] Drainage to complete Site investigations to start |


Electricity recovery situation




BHS

| No. | Date | September 7 |  September 14 (After 1 week) | Efforts |
|-----|--------|---|--|---|
| 1 | Sept 7 | T1 International <ul style="list-style-type: none"> •Departure conveyer South: Operational North: Under investigation •Arrival conveyer=> Recovery work underway T1 Domestic=>Operational | T1 International <ul style="list-style-type: none"> •Departure conveyer South: Operational North: Recovery work •Arrival conveyer=> Recovery work T1 Domestic=>Operational | <ul style="list-style-type: none"> • Clean and replace electronical parts and control devices damaged from flooding • Verify the operation of each system |

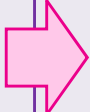
Aircraft Stand

| No. | Date | September 7 |  September 14 (After 1 week) | Efforts |
|-----|--------|---|--|---------------------------------|
| 1 | Sept 7 | Available stands: Int'l South Wing (12/15) Dom Central (6/11) Int'l North Wing (under investigation/15) Total: 18 available out of 41 | Available stands: Int'l South Wing (14/15) Dom Central (11/11) Int'l North Wing (under investigation/15) Total: 25 available out of 41 | Focus on recovery of south side |

Fueling Facility

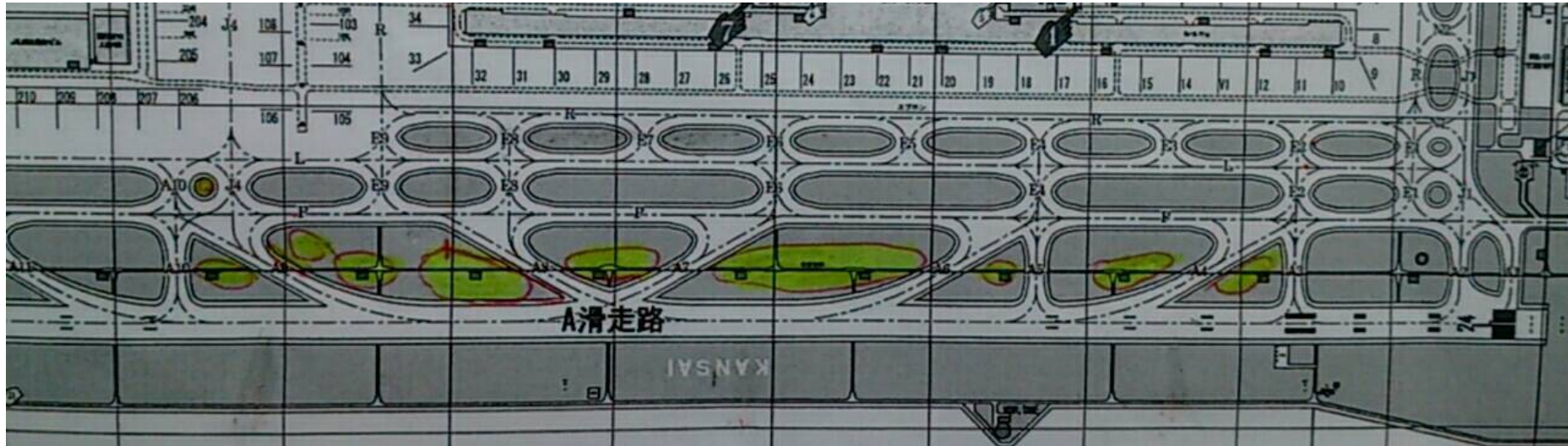
| No. | Date | September 7 |  September 14 (After 1 week) | Efforts |
|-----|--------|--|---|--|
| 1 | Sept 7 | <ul style="list-style-type: none"> • Fuel storage tanks: Operational • Hydrant facility <ul style="list-style-type: none"> • Phase I Island: Under inspection • Phase II Island: Operational • Oil tanker berth: Partially flooded areas have been restored. | <ul style="list-style-type: none"> • Fuel storage tanks: Operational • Hydrant facility <ul style="list-style-type: none"> • Phase I Island: Operational • Phase II Island: Operational • Oil tanker berth: Operational (some parts are still under repair) | <p>[Phase I Island]</p> <ul style="list-style-type: none"> • Plan to perform inspections • Inspect the safety of the facilities and the quality of fuels |

Runway A and Rain Water Drainage

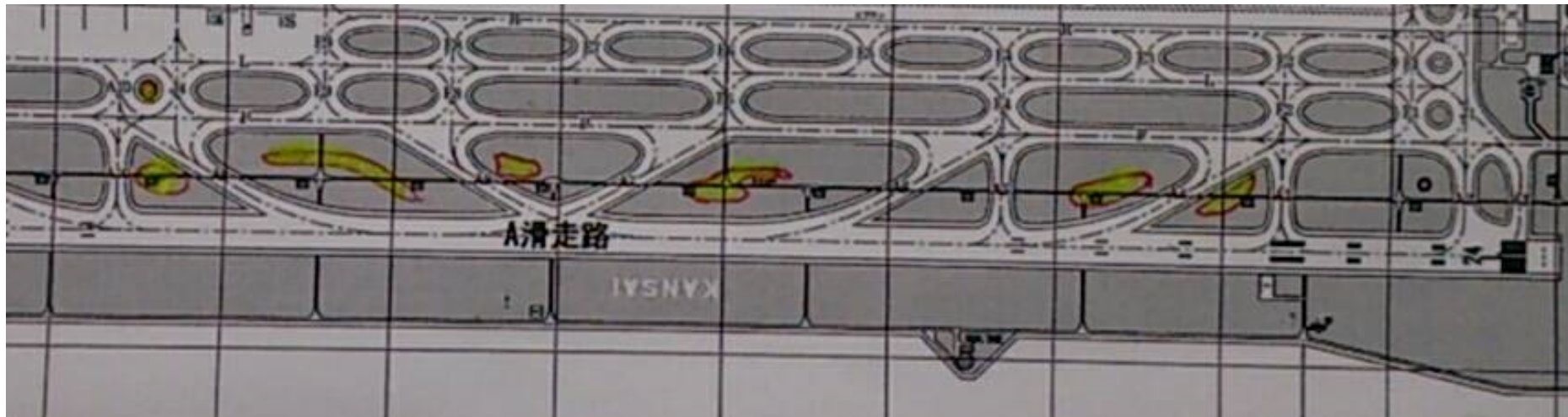
| No. | Date | September 7 |  September 14 (After 1 week) | Efforts |
|-----|--------|--|--|--|
| 1 | Sept 7 | <p>[Number of drainage facilities] 7 out of 10: In operation 3 out of 10: Under repair (Draining with the aid of pump vehicles provided by Kinki Regional Development Bureau)</p> <p>[Runway A and airfield lighting] • Pavements: Operational • Airfield lighting: partially damaged due to the flood</p> | <p>[Number of drainage facilities] 7 out of 10: In operation 3 out of 10: Recovered with provisional power source</p> <p>[Runway A and airfield lightings] • Pavements: Operational • Airfield lighting: Operational</p> | <p>[Drainage pump] • Provisional power generators under operation</p> <p>[Runway A and airfield lightings] • Surface cleaning by sweeper is ongoing. Some sweepers were borrowed from Narita Airport. Finished cleaning runway, taxiway and apron. Only some GSE roads are left uncleaned. • Recovery of damaged lighting and power source cubicle</p> |

Runway A and Water Drainage

Sept 7
PM



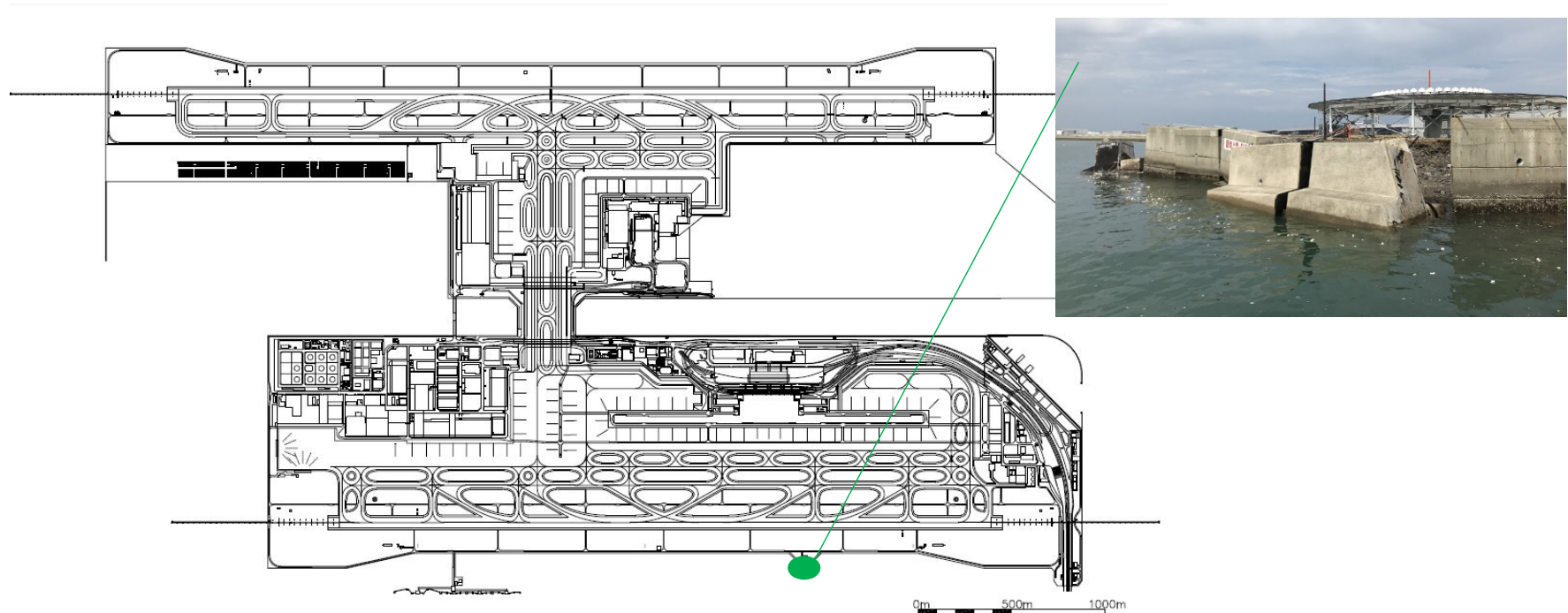
Sept 8
AM




No water pooling as of the evening of Sept 10

Sea Wall


| No. | Date | September 7 | September 14 (After 1 week) | Efforts |
|-----|--------|------------------------------------|---|---------|
| 1 | Sept 7 | Partially collapsed (see below) | Tentatively recovered by installing sandbags and filter units | |



Clean Center

| No. | Date | September 7 |  September 14 (After 1 week) | Efforts |
|-----|--------|--|---|---------|
| 1 | Sept 7 | Incineration of wastes restarted on September 6 upon recovery of gas service | | |

Water Treatment Center

| No. | Date | September 7 |  September 14 (After 1 week) | Efforts |
|-----|--------|-------------|---|---------|
| 1 | Sept 7 | Operational | | |