Risk Level (System-assessed): HIGH | Trend: ↑ Increasing | AI Confidence: 78%

Primary Drivers: Drainage saturation, extreme rainfall

PM Note:
This section is designed to give decision-makers an immediate understanding of urgency and confidence.

Key Risk Indicators

- Drainage Capacity Usage: 92%
- Active Pumps: 451 / 522 (≈ 86%)
- Affected Areas: 4
- Active Alerts: 6

PM Note:
Indicators are aggregated and pre-selected to support fast decision-making, not analysis.

AI Risk Interpretation

Based on current system load, rainfall intensity, and historical incident patterns, the AI estimates a high likelihood of localized flooding within the next 90 minutes if no intervention is taken.

Key Drivers:
- Pump utilization nearing capacity
- Rapid rainfall accumulation

PM Note:
This interpretation prioritizes decision relevance over technical model details.

Suggested Next Step → Review AI Recommendations and Response Options

PM Note: The system guides attention without triggering automatic actions.

Do you want to get some recommendations from AI? Yes No

The Recommendation Card

AI provides options →As an decision assistant

Plan A (Conservative)

>Action Item:
1.Turn on A-03 A-04 B-01 Pump Station
2.Evacuate the people within 200 meters of the dangerous location
>Impact:
1.Lower the average water level by 0.5 meters
2.Lowest the impact to individuals
>AI Confidence:91%
★★★★★

Accept and Execute

Alter Options

Ignore the message

Plan B (Balanced)

>Action Item:
1.Turn on A-03 Pump Station
2.Evacuate the people within 50 meters of the dangerous location
>Impact:
1.Lower the average water level by 0.2 meters
2.Lower the impact to individuals
>AI Confidence:71%
★★★★☆

Accept and Execute

Alter Options

Ignore the message

Plan C (Aggressive)

>Action Item:
1.Turn on A-03 Pump Station
2.Send warning message to people live in dangerous location
>Impact:
1.Lower the average water level by 0.2 meters
2.Lower the impact to individuals
>AI Confidence:54%
★★☆

Accept and Execute

Alter Options

Ignore the message

PM Note:Decision-maker is responsible for the decision.AI provide different options.

Confirm the Decision:Plan A

Count of Running Pump Station: − 3 +

Evacuation area (radius) : − 50 +

Reason Input(Must)
Please input the reason of Change

By clicking "Execute", you confirm the modification and assume the relevant legal and ethical responsibilities

Confirm & execute Cancel

Confirm the Decision:Plan B

Count of Running Pump Station: − 3 +

Evacuation area (radius) : − 50 +

Reason Input(Must)
Please input the reason of Change

By clicking "Execute", you confirm the modification and assume the relevant legal and ethical responsibilities

Confirm & execute Cancel

Confirm the Decision:Plan C

Count of Running Pump Station: − 3 +

Evacuation area (radius) : − 50 +

Reason Input(Must)
Please input the reason of Change

By clicking "Execute", you confirm the modification and assume the relevant legal and ethical responsibilities

Confirm & execute Cancel

Effectiveness Metrics

Goal of Predction

The estimated water level is expected to drop by 0.5 meters

Real Situation

The user manually modified it to Plan A and activated four pumping stations

Final Result

The actual water level dropped by 0.6 meters

PM Note:If the actual effect is better than the AI prediction, it indicates that human "situation judgment" has played a key role in this case

Decision Audit Trail

19:20 [System Signal]Risk Trigger: Water level exceeds Warning Line (HIGH)

19:25 [AI Assistant Advice]Plan A:Activate 3 pumping stations;AI Confidence:91%

19:28 [Manual modification]Activate 3→ 4 pumping stations;Reason:A-03 Pump Station is repairing

20:00 [System Closed Loop]Goal Achieved:Water level decline:0.5m;Manager Evaluation:Satisfied