

# 1.Start

2.Chek what happened outside.

3.Accroding to the situation, move on the right direction (4,11,17).

## 4. Snow piled up on the floor.

5. Checking precipitation accumulation

6. Accumulation of Snow :  $\leq 2.5\text{cm}$

If it is within a given range

Yes: checking the temperature

If temperature:  $< -10^{\circ}\text{C}$

yes : operating a sand truck(light), Go to End

no : checking next temperature standard

If temperature:  $-10^{\circ}\text{C} \sim -5^{\circ}\text{C}$

yes : operating a salt truck(light), Go to End

no : checking next temperature standard

Temperature:  $> -5^{\circ}\text{C}$

No Action Required. Go to End

NO : checking next height standard

7. Accumulation of Snow :  $2.6 \sim 5.0 \text{ cm}$

If it is within a given range

Yes: checking the temperature

If temperature:  $< -10^{\circ}\text{C}$

yes : operating a sand truck(Normal), Go to End

no : checking next temperature standard

If temperature:  $-10^{\circ}\text{C} \sim -5^{\circ}\text{C}$

yes : operating a salt truck(Normal), Go to End

no : checking next temperature standard

Temperature:  $> -5^{\circ}\text{C}$

No Action Required. Go to End

NO : checking next height standard

#### **8. Accumulation of Snow : 5.1 ~ 15.0 cm**

If it is within a given range

Yes: checking the temperature

If temperature:  $< -10^{\circ}\text{C}$

yes : operating a snow plow truck and sand truck(Normal), **Go to End**

no : checking next temperature standard

If temperature:  $-10^{\circ}\text{C} \sim -5^{\circ}\text{C}$

yes : operating a snow plow truck and salt truck(Normal), **Go to End**

no : checking next temperature standard

Temperature:  $> -5^{\circ}\text{C}$

yes : operating a snow plow truck, **Go to End**

NO : checking next height standard

#### **9. Accumulation of Snow : 15.1 ~ 45.0 cm**

If it is within a given range

Yes: checking the temperature

If temperature:  $< -10^{\circ}\text{C}$

yes : operating two snow plow trucks and a sand truck(Normal), **End**

no : checking next temperature standard

If temperature:  $-10^{\circ}\text{C} \sim -5^{\circ}\text{C}$

yes : operating two snow plow trucks and a salt truck(Normal), **Go to End**

no : checking next temperature standard

Temperature:  $> -5^{\circ}\text{C}$

yes : operating two snow plow trucks, **Go to End**

NO : checking next height standard

#### **10. Accumulation of Snow : $\geq 45.1$ cm**

State of emergency (Organize army and other jurisdiction support), **Go to End**

# 11. Ice piled up on the floor.

## 12. Checking precipitation accumulation

### 13. Accumulation of ice $\leq 3\text{mm}$ .

If yes, no action required. **Go to End**

Else, check the next standard of height.

### 14. Accumulation of ice ranging between $3.1\text{mm} - 5\text{mm}$ .

If yes, check the temperature zones ,

For Temperature :  $< -10$

If yes, 1 normal sand truck required for help **Go to End**

Else, check the next temperature zone.

For Temperature :  $-10$  to  $-5$

If yes, 1 normal salt truck required for help **Go to End**

Else, check the next temperature zone.

For Temperature :  $> -5$

If yes, No action required. **Go to End**

Else, end.

Else, jump to the next standard of height.

### 15. Accumulation of ice ranging between $5.1\text{mm}-15\text{mm}$

If yes , check the temperature zones ,

For Temperature :  $< -10$

If yes, 2 heavy sand trucks required for help . **Go to End**

Else, check the next temperature zone

For Temperature :  $-10$  to  $-5$

If yes, 2 heavy salt trucks required for help . **Go to End**

Else, check the next temperature zone

For Temperature :  $> -5$

If yes, 1 heavy salt truck required for help . **Go to End**

Else, end

Else , jump to the next standard of height .

### 16. Accumulation of ice ranging $\geq 15.1\text{mm}$

State of Emergency : Army and other jurisdiction support needed. **Go to End**

## 17. Snow and ice piled up together.

### 18. Checking precipitation accumulation

#### 19. Accumulation of Snow and Ice : $\leq 2.5\text{cm}$

If it is under or same with 2.5

Yes: No Action Required , **Go to End**

No: checking next height standard

#### 20. Accumulation of Snow and Ice : 2.6 ~ 5.0 cm

If it is within a given range

Yes: checking the temperature

If temperature:  $< -10^{\circ}\text{C}$

yes : operating a snow plow truck and sand truck(light), **Go to End**

no : checking next temperature standard

If temperature:  $-10^{\circ}\text{C} \sim -5^{\circ}\text{C}$

yes : operating a snow plow truck and salt truck(light), **Go to End**

no : checking next temperature standard

Temperature:  $> -5^{\circ}\text{C}$

yes : operating a snow plow truck

NO : checking next height standard

#### 21. Accumulation of Snow and Ice : 5.1 ~ 15.0 cm

If it is within a given range

Yes: checking the temperature

If temperature:  $< -10^{\circ}\text{C}$

yes : operating a snow plow truck and sand truck(heavy), **Go to End**

no : checking next temperature standard

If temperature:  $-10^{\circ}\text{C} \sim -5^{\circ}\text{C}$

yes : operating a snow plow truck and salt truck(heavy), **Go to End**

no : checking next temperature standard

Temperature:  $> -5^{\circ}\text{C}$

yes : operating a snow plow truck and salt truck(normal), **Go to End**

NO : checking next height standard

#### 22. Accumulation of Snow and Ice : 15.1 ~ 45.0 cm

If it is within a given range

Yes: checking the temperature

If temperature:  $< -10^{\circ}\text{C}$

yes : operating two snow plow trucks and a sand truck(heavy), **Go to End**

no : checking next temperature standard

If temperature:  $-10^{\circ}\text{C} \sim -5^{\circ}\text{C}$

yes : operating two snow plow trucks and a salt truck(heavy), **Go to End**

no : checking next temperature standard

Temperature:  $> -5^{\circ}\text{C}$

yes : operating two snow plow trucks and a salt truck(light), **Go to End**

NO : checking next height standard

### **23. Accumulation of Snow and Ice : $\geq 45.1$ cm**

State of emergency(Organize army and other jurisdiction support) , **Go to End**

## **24. End**

