

## ACCOUNTABILITY REPORT DUE

If Accountability is not complete, then missing staff are lost. Direct Security Supervisor to complete the Accountability Checklist now.

**Remove UNKNOWN CONDITIONS cards 1, 6, 7, and 16 from the board.**

**H**

## FAMILY INQUIRY

Ryan's wife Diane has contacted you:  
"Spouses are gathering at my house. We need to know, has anyone been hurt? Are there families we should contact? And where is Ryan?"

**G**

**Discuss with your facilitator.**

## YOUR CNO ASKS:

What is the status of the people on the plane?  
What is your plan for restoring power? What is your timeline? What do you need from me?

**F**

**Discuss with your facilitator.**

## REACTOR OPERATOR RETURNS

If a Reactor Operator (RO) is missing, that person returns to the Control Room.

The staff member has no explanation for their disappearance.

**H**

## HELICOPTER AVAILABLE

The National Guard is willing to bring any supplies you may need. Tell your facilitator what you would like them to bring. Your facilitator will tell you what supplies are available and when they will be delivered.

**E**

## NEWS CREW CALLING

A national news reporter is on the phone, asking:  
"Given this emergency, what is the danger of a nuclear accident at Three Pillars?"

Step away from your team for one minute to take the call. Be ready to discuss your response.

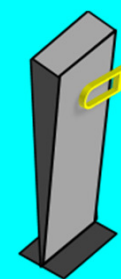
**D**

## STEAM PRESSURE CONTROL

- If RO present: that person is now missing. Steam Pressure Control is off (turn tile to green side).

- If no RO present: no change.

**G**

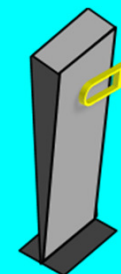


## SCBA

Wearing an SCBA provides protection from the toxic gas inhalation hazard.

Don SCBA as shown.

more on reverse

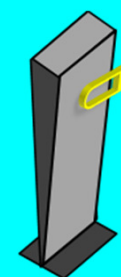


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Don SCBA as shown.

more on reverse



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Don SCBA as shown.

more on reverse

## SPENT FUEL POOL MONITORING

After spent fuel pool cooling is lost:

- Operators must periodically check pool conditions.
- Radiation Protection must periodically monitor radiological conditions.

**H**

## SPENT FUEL TEMPERATURE

- Full core offload was completed within the last 12 hours.
- Time to 200°F is 7.5 hours without spent fuel pool cooling.

**G**

**SCBA**

A protected staff member can carry two SCBA for delivery to others.

To transfer SCBA, staff members must stand together in a single space.

more on reverse

**NEW CONDITIONS**

**SHIFT MANAGER**

**H**

**P**

**SCBA**

A protected staff member can carry two SCBA for delivery to others.

To transfer SCBA, staff members must stand together in a single space.

more on reverse

**NEW CONDITIONS**

**CONTROL ROOM SUPERVISOR**

**G**

**P**

**SCBA**

A protected staff member can carry two SCBA for delivery to others.

To transfer SCBA, staff members must stand together in a single space.

more on reverse

**NEW CONDITIONS**

**SHIFT MANAGER**

**F**

**P**

**NEW CONDITIONS**

**UNIT SUPERVISOR**

**H**

**G**

**NEW CONDITIONS**

**SHIFT MANAGER**

**E**

**P**

**NEW CONDITIONS**

**CONTROL ROOM SUPERVISOR**

**H**

**E**

**NEW CONDITIONS**

**CONTROL ROOM SUPERVISOR**

**G**

**G**

**NEW CONDITIONS**

**SHIFT MANAGER**

**D**

**P**

Steam Pressure Control

**UPDATE NEEDED**

Read this card after the next staff member reaches this space.

**G**

**E**

# FRONT 17-24

## STEAM-DRIVEN TURBINE

Condition normal.  
Remove this card from the board.

Ⓒ

## ASSURED WATER SUPPLY

Condition unchanged.  
Remove this card from the board.

Ⓒ

## CORE TEMP RISING

The RO on duty in the Control Room reports that the Core Temperature is rising.  
Increase Core Temp 1 increment now.  
Increase it by 1 increment at each Assessment until the problem is solved.

Ⓒ

## WAREHOUSE RESCUE

You were not able to arrive in time to rescue Martin. He has died from loss of blood. Ed is safe.

Ⓕ

## ASSURED WATER SUPPLY STILL LEAKING

Reduce Assured Water Supply level by another increment.

Ⓔ

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Reduce Assured Water Supply level by another increment.

Ⓔ

## NRC HEADQUARTERS OPERATIONS OFFICER ASKS:

Is leaking jet fuel a threat to the emergency diesel generators? Could it potentially enter storm drains?

Ⓒ

Discuss with your facilitator.

## JET FUEL IGNITES!

An operating diesel generator or vehicle ignites leaking jet fuel, unless the fuel is previously neutralized. A catastrophic explosion results. All persons within the blast area are killed. The diesel is inoperable.

Ⓕ

## JET FUEL SAFETY DATA

- The flash point for jet fuel is 100°F.
- Apply foam to prevent jet fuel ignition.
- Apply foam to extinguish a jet fuel fire.
- Avoid personnel exposure to skin and eyes; avoid ingestion and inhalation.

Ⓐ

**DEBRIS AND JET FUEL**  
Bulldozer can clear area.  
Then remove card.

← 2 SPACES →

**DANGER:** If vehicle arrives here before Fire Brigade neutralizes jet fuel, jet fuel ignites; consult your facilitator.

**DEBRIS AND JET FUEL**  
Bulldozer can clear area.  
Then remove card.

← 2 SPACES →

**DANGER:** If vehicle arrives here before Fire Brigade neutralizes jet fuel, jet fuel ignites; consult your facilitator.

**DEBRIS AND JET FUEL**  
Bulldozer can clear area.  
Then remove card.

← 2 SPACES →

**DANGER:** If vehicle arrives here before Fire Brigade neutralizes jet fuel, jet fuel ignites; consult your facilitator.

**DEBRIS AND JET FUEL**  
Bulldozer can clear area.  
Then remove card.

← 2 SPACES →

**DANGER:** If vehicle arrives here before Fire Brigade neutralizes jet fuel, jet fuel ignites; consult your facilitator.

**DEBRIS AND JET FUEL**  
Bulldozer can clear area.  
Then remove card.

← 2 SPACES →

**DANGER:** If vehicle arrives here before Fire Brigade neutralizes jet fuel, jet fuel ignites; consult your facilitator.

## FAMILY INQUIRY

Sam's wife Diane has contacted you:  
"Spouses are gathering at my house. We need to know, how many are hurt? Are there families we should contact? And where is Sam?"

Ⓕ

Discuss with your facilitator.

## YOUR CNO ASKS:

Give me the facts straight: How are our people being affected by the toxic gas? What is your plan for restoring power? What is your timeline? What do you need from me?

Ⓔ

Discuss with your facilitator.

## HELICOPTER AVAILABLE

The National Guard is willing to bring any supplies you may need. Tell your facilitator what you would like them to bring. Your facilitator will tell you what supplies are available and when they will be delivered.

Ⓓ

## NEWS CREW CALLING

A national news reporter is on the phone, asking:  
"Given this emergency, what is the danger of a nuclear accident at Three Pillars?"

Step away from your team for one minute to take the call. Be ready to discuss your response.

Ⓒ

## NRC HEADQUARTERS OPERATIONS OFFICER ASKS:

When will you restore offsite power? How much time before the pool reaches 200 degrees? What offsite support are you expecting?

Ⓕ

Discuss with your facilitator.

## PERSONNEL SAFETY

Plant personnel are protected from gas if:

- They are wearing SCBA, or
- They remain inside the Control Room or Operations Support Center (OSC).

Available plant personnel are SCBA qualified.

Ⓐ

## TOXIC GAS DETECTION

- Chemistry department has no portable gas monitor capable of detecting this chemical.
- In gaseous form, this chemical has a distinct odor; however, odor is not reliable to detect toxic levels.

Ⓐ

## TOXIC INHALATION HAZARD

- Released chemical evaporates to clear gas.
- Chemical is in the highest category of toxicity.
- Individual reactions vary. Symptoms of exposure include airway restriction and unconsciousness.

Ⓐ

BACK 17-24

NEW CONDITIONS

CONTROL ROOM SUPERVISOR

(F)

(G)

NEW CONDITIONS

CONTROL ROOM SUPERVISOR

(C)

(P)

Steam-Driven Turbine

UPDATE NEEDED

Read this card after the next staff member reaches this space.

(G)

(E)

NEW CONDITIONS

SHIFT MANAGER

(E)

(G)

NEW CONDITIONS

SHIFT MANAGER

(B)

(P)

Assured Water Supply

UPDATE NEEDED

Read this card after the next staff member reaches this space.

(G)

(E)

NEW CONDITIONS

SHIFT MANAGER

(D)

(G)

NEW CONDITIONS

UNIT SUPERVISOR

(A)

(P)

NEW CONDITIONS

CONTROL ROOM SUPERVISOR

(G)

(E)

NEW CONDITIONS

SHIFT MANAGER

(C)

(G)

UNKNOWN CONDITIONS

When any staff member reaches this space, turn this card over.

21

(P)

RESCUE OUTCOME

Read this card after a First Responder attempts a rescue.

(F)

(E)

NEW CONDITIONS

CONTROL ROOM SUPERVISOR

(B)

(G)

UNKNOWN CONDITIONS

When any staff member reaches this space, turn this card over.

20

(P)

NEW CONDITIONS

CONTROL ROOM SUPERVISOR

(E)

(E)

NEW CONDITIONS

SECURITY SUPERVISOR

(A)

(G)

UNKNOWN CONDITIONS

When any staff member reaches this space, turn this card over.

19

(P)

NEW CONDITIONS

CONTROL ROOM SUPERVISOR

(E)

(E)

NEW CONDITIONS

TECHNICAL SUPERVISOR

(A)

(G)

UNKNOWN CONDITIONS

When any staff member reaches this space, turn this card over.

18

(P)

NEW CONDITIONS

CONTROL ROOM SUPERVISOR

(E)

(E)

NEW CONDITIONS

UNIT SUPERVISOR

(A)

(G)

UNKNOWN CONDITIONS

When any staff member reaches this space, turn this card over.

17

(P)

NEW CONDITIONS

CONTROL ROOM SUPERVISOR

(E)

(E)

# FRONT 9-16

## AFTERSHOCK

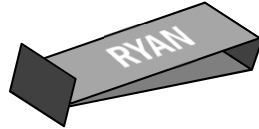
The Administration and Emergency Diesel Generator Buildings have collapsed. Any staff members in these buildings are trapped and require rescue from First Responders.

D

RYAN



Ryan is here, and is injured. A First Responder is required for rescue.



Position Ryan here, as shown, to indicate that he cannot move until rescued.

**DEBRIS FROM SWITCHYARD**  
Bulldozer can clear area.  
Then remove card.

← 2 SPACES →

## HELICOPTER AVAILABLE

The National Guard is willing to bring any supplies you may need. Tell your facilitator what you would like them to bring. Your facilitator will tell you what supplies are available and when they will be delivered.

C

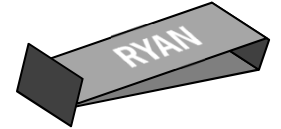
**DEBRIS**  
Bulldozer can clear area.  
Then remove card.

← 2 SPACES →

RYAN



Ryan is here, and is injured. A First Responder is required for rescue.



Position Ryan here, as shown, to indicate that he cannot move until rescued.

**DEBRIS FROM SWITCHYARD**  
Bulldozer can clear area.  
Then remove card.

← 2 SPACES →

## SECURITY OFFICER INJURED

Sam, who has recently returned to work after back surgery, is in pain and unable to walk.

Remove Sam from duty.

First Responders can treat Sam's pain only. Sam cannot return to duty.

B

**DEBRIS**  
Bulldozer can clear area.  
Then remove card.

← 2 SPACES →

**DEBRIS FROM SWITCHYARD**  
Bulldozer can clear area.  
Then remove card.

← 2 SPACES →

## NEWS CREW CALLING

A national news reporter is on the phone, asking: "Given this emergency, what is the danger of a nuclear accident at Three Pillars?"

Step away from your team for one minute to take the call. Be ready to discuss your response.

A

**DEBRIS**  
Bulldozer can clear area.  
Then remove card.

← 2 SPACES →

## EARTHQUAKE DAMAGE

Significant structural damage to the **ADMINISTRATION BUILDING** is visible from here.

**DEBRIS**  
Bulldozer can clear area.  
Then remove card.

← 2 SPACES →

**NO ACCESS**  
**DOWNED POWER LINES**

12

## EARTHQUAKE DAMAGE

Significant structural damage to the **DIESEL GENERATOR BUILDING** is visible from here.

**DEBRIS**  
Bulldozer can clear area.  
Then remove card.

← 2 SPACES →

**NO ACCESS**  
**DOWNED POWER LINES**

11

**NO ACCESS**

There is severe earthquake damage to the Diesel Generator Building. The doors will not open and the generators are not operating.

10

**DEBRIS**  
Bulldozer can clear area.  
Then remove card.

← 2 SPACES →

**NO ACCESS**  
**DOWNED POWER LINES**

10

Condition normal.  
Remove this card from the board.

**DEBRIS**  
Bulldozer can clear area.  
Then remove card.

← 2 SPACES →

**DEBRIS FROM SWITCHYARD**  
Bulldozer can clear area.  
Then remove card.

← 2 SPACES →

**UNKNOWN CONDITIONS**

When any staff member reaches this space, turn this card over.

16



**UNKNOWN CONDITIONS**

When any staff member reaches this space, turn this card over.

16



**NEW CONDITIONS**

**SHIFT MANAGER**



**UNKNOWN CONDITIONS**

When any staff member reaches this space, turn this card over.

15



**UNKNOWN CONDITIONS**

When any staff member reaches this space, turn this card over.

15



**NEW CONDITIONS**

**SHIFT MANAGER**



**UNKNOWN CONDITIONS**

When any staff member reaches this space, turn this card over.

14



**UNKNOWN CONDITIONS**

When any staff member reaches this space, turn this card over.

14



**NEW CONDITIONS**

**SECURITY SUPERVISOR**



**UNKNOWN CONDITIONS**

When any staff member reaches this space, turn this card over.

13



**UNKNOWN CONDITIONS**

When any staff member reaches this space, turn this card over.

13



**NEW CONDITIONS**

**SHIFT MANAGER**



**NO ACCESS  
DOWNED POWER LINES.**

12



**UNKNOWN CONDITIONS**

When any staff member reaches this space, turn this card over.

12



**UNKNOWN CONDITIONS**

Read this card after a staff member reaches this space.

12



**NO ACCESS  
DOWNED POWER LINES**

11



**UNKNOWN CONDITIONS**

When any staff member reaches this space, turn this card over.

11



**UNKNOWN CONDITIONS**

Read this card after a staff member reaches this space.

11



**NO ACCESS  
DOWNED POWER LINES**

10



**NO ACCESS  
UNTIL FURTHER NOTICE  
DOWNED POWER LINES**

Turn over when instructed to do so.

10



**NO ACCESS**

There is severe earthquake damage to the Diesel Generator Building. The doors will not open and the generators are not operating.

10



**UNKNOWN CONDITIONS**

Read this card after a staff member reaches this space.

9



**NO ACCESS  
UNTIL FURTHER NOTICE  
DOWNED POWER LINES**

Turn over when instructed to do so.

9



**UNKNOWN CONDITIONS**

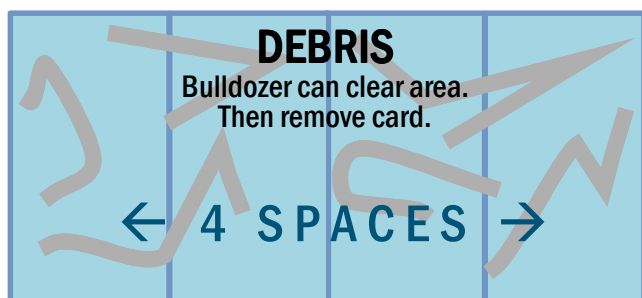
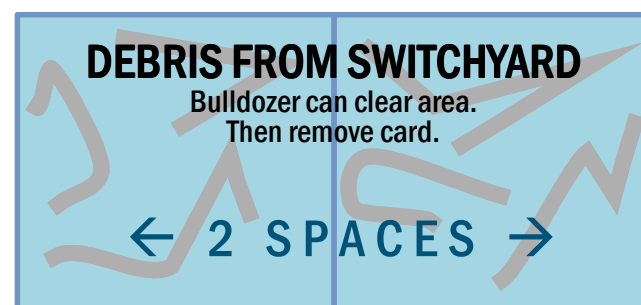
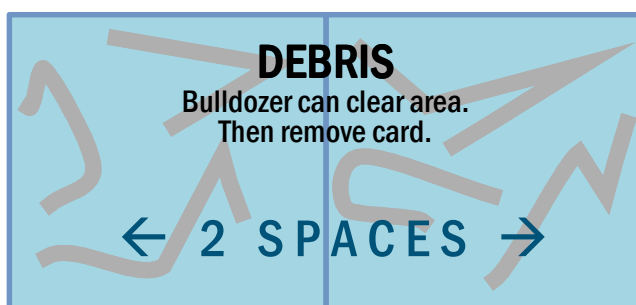
Read this card after a staff member reaches this space.

9

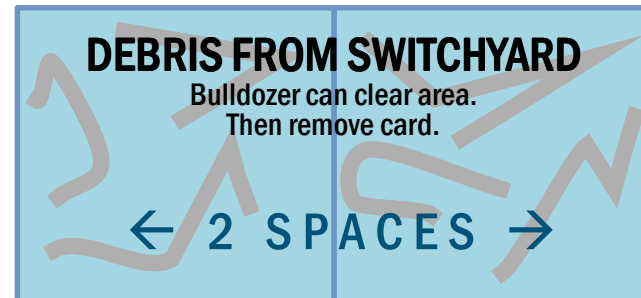
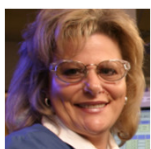


# FRONT 1-8

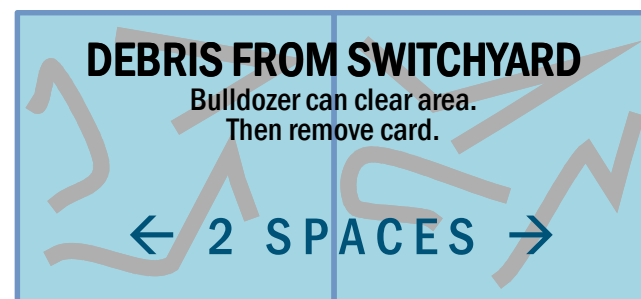
Condition normal.  
Remove this card from the board.



**TERRI**  
Terri is working here, and she is safe. She was unaware of the emergency.  
Position Terri here.



**RICK**  
Rick is here, and he is safe.  
Position Rick here.



**ED** **MARTIN**  
The warehouse has collapsed with Ed and Martin inside. First Responders required for rescue.  
Position them here as shown.

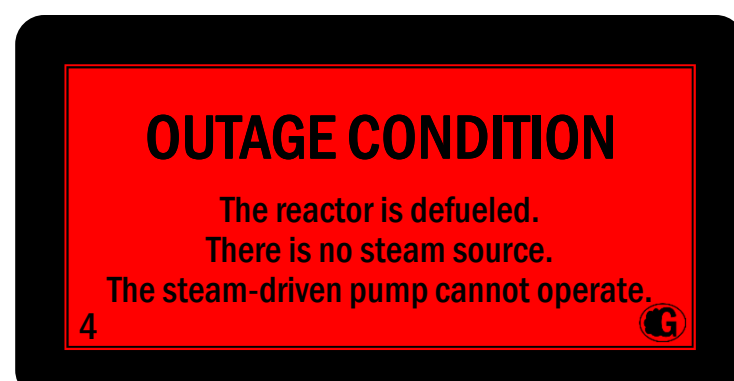


Condition normal.  
Remove this card from the board.

**AVAILABILITY OF EDG #2**  
Maintenance workers can reassemble EDG #2.  
Position one EM and one MM here to perform the repair.

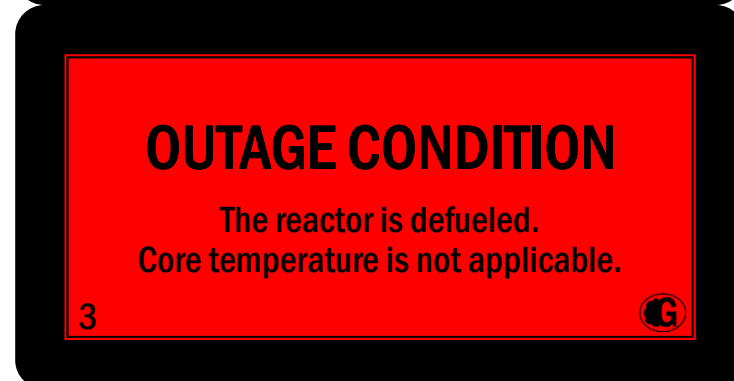
**TANK LEAKING**  
The Condensate Storage Tank has been damaged by the earthquake. Water Supply levels are lower than expected. Set the Water Supply level indicator to the half-empty position.

Condition normal.  
Remove this card from the board.



Condition normal.  
Remove this card from the board.

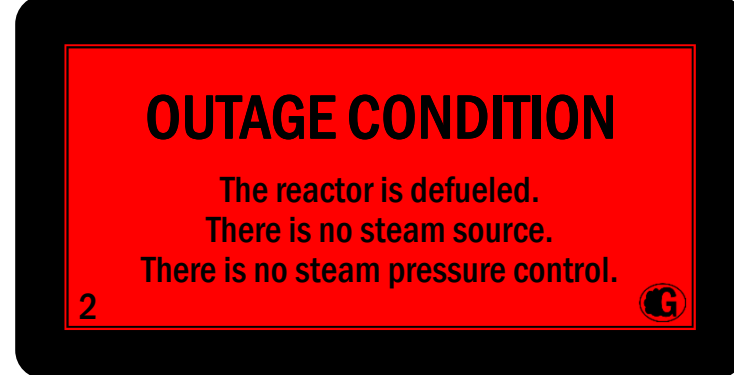
Condition normal.  
Remove this card from the board.



**RICK**  
Rick is here. His leg is bleeding and he is unconscious. First Responders required for rescue.  
Position Rick here as shown.



Condition normal.  
Remove this card from the board.



Condition normal.  
Remove this card from the board.

**MIKE**  
Mike is here getting supplies, and he is safe.  
Position Mike here.



**TERRI**  
Terri is here getting supplies.  
Position Terri here.



# BACK 1-8

## UNKNOWN CONDITIONS

Read this card after a staff member reaches this space.

8



## NO ACCESS

UNTIL FURTHER NOTICE

## DOWNED POWER LINES

Turn over when instructed to do so.

8



## UNKNOWN CONDITIONS

Read this card after a staff member reaches this space.

8



## UNKNOWN CONDITIONS

Read this card after a staff member reaches this space.

7



## UNKNOWN CONDITIONS

When any staff member reaches this space, turn this card over.

7



## UNKNOWN CONDITIONS

Read this card after a staff member reaches this space.

7



## UNKNOWN CONDITIONS

Read this card after a staff member reaches this space.

6



## UNKNOWN CONDITIONS

When any staff member reaches this space, turn this card over.

6



## UNKNOWN CONDITIONS

Read this card after a staff member reaches this space.

6



## UNKNOWN CONDITIONS

Read this card after a staff member reaches this space.

5



## UNKNOWN CONDITIONS

When any staff member reaches this space, turn this card over.

5



## UNKNOWN CONDITIONS

Read this card after a staff member reaches this space.

5



## OUTAGE CONDITION

The reactor is defueled.  
There is no steam source.  
The steam-driven pump cannot operate.

4



## UNKNOWN CONDITIONS

When any staff member reaches this space, turn this card over.

4



## UNKNOWN CONDITIONS

Read this card after a staff member reaches this space.

4



## OUTAGE CONDITION

The reactor is defueled.  
Core temperature is not applicable.

3



## UNKNOWN CONDITIONS

When any staff member reaches this space, turn this card over.

3



## UNKNOWN CONDITIONS

Read this card after a staff member reaches this space.

3



## OUTAGE CONDITION

The reactor is defueled.  
There is no steam source.  
There is no steam pressure control.

2



## UNKNOWN CONDITIONS

When any staff member reaches this space, turn this card over.

2



## UNKNOWN CONDITIONS

Read this card after a staff member reaches this space.

2



## UNKNOWN CONDITIONS

Read this card after a staff member reaches this space.

1



## UNKNOWN CONDITIONS

When any staff member reaches this space, turn this card over.

1



## UNKNOWN CONDITIONS

Read this card after a staff member reaches this space.

1

