

RENOWN REGIONAL MEDICAL CENTER RENO - NEVADA



ROOFTOP
HELISTOPS
FAMILIARIZATION

VERSION 2
July 23, 2008

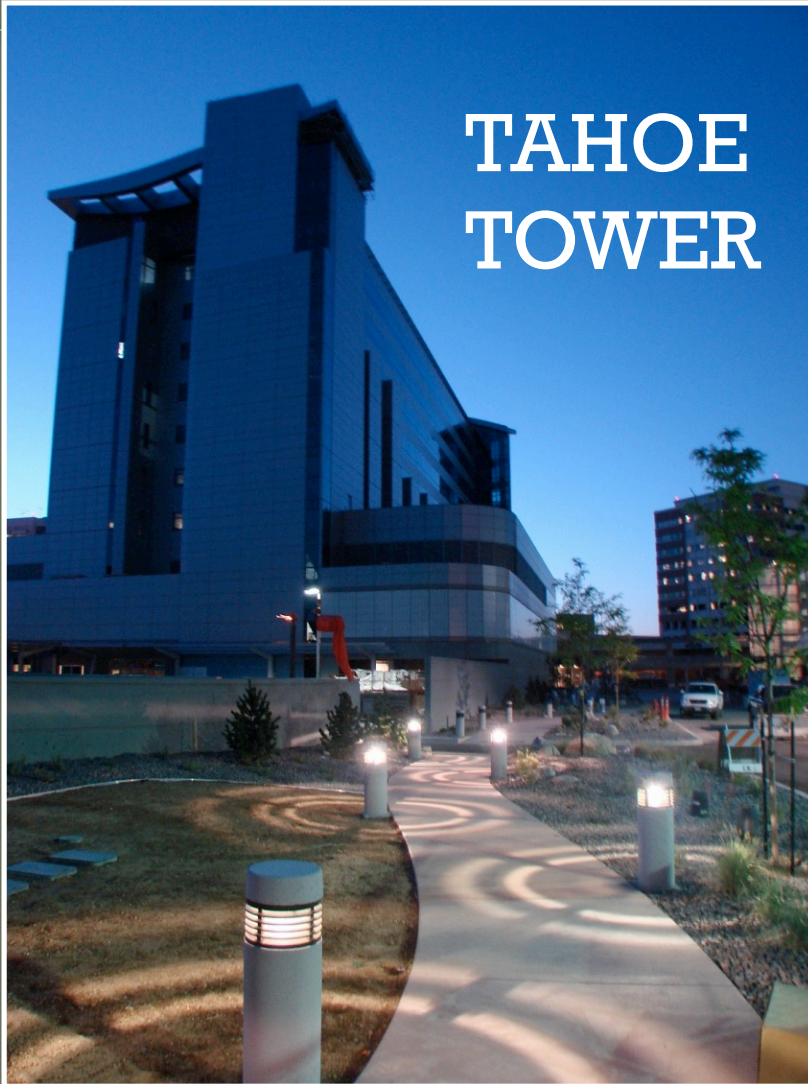
**FACILITIES
SERVICES
DEPARTMENT**

RENOWN REGIONAL MEDICAL CENTER RENO - NEVADA

THIS PRESENTATION HAS BEEN PRODUCED BY THE FACILITIES SERVICES DEPARTMENT OF RENOWN REGIONAL MEDICAL CENTER (RRMC) IN RENO, NEVADA .

IT IS INTENDED TO INTRODUCE PILOTS AND FLIGHT MANAGERS OF COMMERCIAL EMERGENCY MEDICAL SERVICE, PUBLIC SERVICE AND MILITARY HELICOPTER OPERATING ORGANIZATIONS TO NEW HELISTOP FACILITIES AT RRMC.

INTRODUCTION



TAHOE TOWER

WE HAVE A NEW BUILDING
CALLED THE TAHOE TOWER. IT
IS STATE-OF-THE ART AND IT
HAS

THREE EMS HELISTOPS !

SAFETY

THIS BRIEFING IS INTENDED TO ENLIST YOUR SUPPORT TO HELP US OPERATE OUR HELISTOPS SAFELY.

MAJOR SECTIONS ARE:

- DESCRIPTION OF THE HELISTOPS
- OPERATIONS PROCEDURES
- POLICIES & PROCEDURES

SAFETY

**SEVERAL FACTORS MAKE IT
ESPECIALLY IMPORTANT TO
FOCUS ON HELICOPTER SAFETY
AT RRMC**

SAFETY

1ST.

WE HAVE A VERY ACTIVE HELICOPTER OPERATING ENVIRONMENT – THERE ARE SEVERAL LANDINGS EACH DAY



SAFETY

VERY ACTIVE – SEVERAL LANDINGS EACH DAY

2ND.

THERE ARE
NUMEROUS USERS

- CARE FLIGHT
- CAL STAR 3/6
- MOUNTAIN LIFE FLIGHT
- LIFE FLIGHT – STANFORD
- ACCESS AIR
- REACH
- ENLOE FLIGHT CARE
- WASHOE COUNTY SHERIFF
- NAS FALLON
- CHP

SAFETY

VERY ACTIVE – SEVERAL LANDINGS EACH DAY

NUMEROUS USERS

3RD.

WE HAVE MULTIPLE LANDING AREAS

SAFETY

VERY ACTIVE – SEVERAL LANDINGS EACH DAY

NUMEROUS USERS

MULTIPLE LANDING AREAS

4TH.

HIGH DENSITY ALTITUDE – HIGH WINDS – FREEZING TEMPS. AND LOW VISIBILITY ARE SOMETIMES PART OF RENO'S OPERATING ENVIRONMENT.

SAFETY

FURTHER, MANY OF YOU HAVE BEEN OPERATING INTO PICKETT PARK. KEEP IN MIND THAT THERE IS A HIGHER RISK OF INCIDENT DURING TRANSITIONAL PERIODS. THESE NEXT FEW MONTHS, AS WE MAKE CHANGES, ARE CRITICAL.

OUR GOAL IS TO MOVE YOU FROM PICKETT PARK TO
OUR NEW LOCATION



3 HELISTOPS – HERE THEY ARE

ROOFTOP
N

ROOFTOP
S

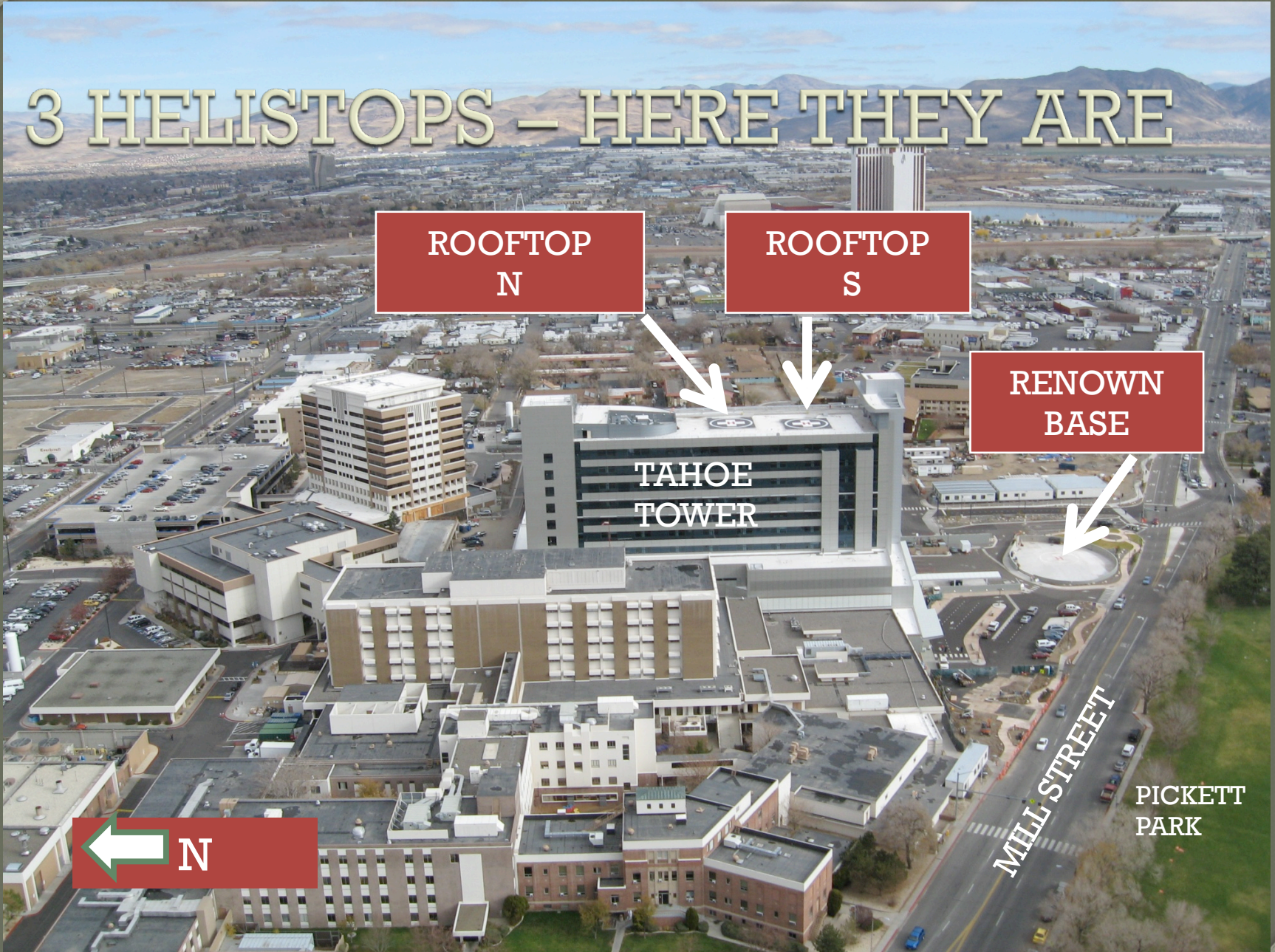
RENOWN
BASE

TAHOE
TOWER

← N

MILL STREET

PICKETT
PARK



RENOWN BASE



THE GRADE LEVEL HELISTOP – RENOWN
BASE - IS FOR THE USE OF OUR BASED
PROGRAM - CARE FLIGHT

ROOFTOP 'N' AND ROOFTOP 'S'

THESE ARE FOR CAREFLIGHT AS WELL
AS OTHER COMMERCIAL EMS
OPERATORS, PUBLIC SERVICE AND
MILITARY MEDICAL (SAR) OPERATORS.



DESIGNS ARE CONSISTENT
WITH FAA A/C 150/5390-2B

EACH HAS A
WEIGHT CAPACITY
OF 12,000 LBS



**PRIMARY
FEATURES**

2 - NON-STOP ELEVATORS TO ED

PRIMARY STAIR EXIT

BROOM-TEXTURED
CONCRETE ON FOAM
INSULATION

EMERGENCY
EXIT

GURNEYWAY

N



NEARLY
SIMULTANEOUS
OPS

EL = 4,654' MSL

65'

90'

40'

TOUCHDOWN AND LIFTOFF AREA = 40'
FINAL APPROACH AND TAKEOFF AREA = 65'
SAFETY AREA = 90'

N



HELISTOP LIGHTING

RED
OBSTRUCTION
LIGHTS AT KEY
LOCATIONS

LIGHTING

FLUSH
PERIMETER
LIGHTS

SHIELDED
FLOOD LIGHTS

A LIGHTED
WIND
INDICATOR



OTHER FEATURES

LANDING AREAS AND
GURNEYWAYS ARE
HEATED

WATER
AND
POWER ARE
AVAILABLE

ALL LIGHTS
ARE
PHOTOCELL
ACTIVATED



**GURNEYWAY
LIGHTS**



**TIE-DOWN
HARDPOINTS**



POWER

**WE HAVE VIDEO
MONITORING**

**AND MAINTENANCE
LIGHTS IN CASE YOU
NEED THEM**



FIRE EXTINGUISHERS



20A:
160B

20A:
160B

4 + 2

THERE ARE SIX FIRE EXTINGUISHERS – FOUR SMALL ONES AND TWO VERY LARGE ONES.

OPERATIONS

1. AUTHORIZATION
2. FLIGHT PROCEDURES
3. PATIENT TRANSFERS
4. IRREGULAR OPERATIONS
5. SAFETY COMMUNICATIONS

1. AUTHORIZATION

WE HAVE A PROCEDURE FOR
GRANTING PERMISSION TO USE OUR
HELISTOPS

ITS GOALS ARE:

- HIGHEST LEVEL OF SAFETY
- RECOGNIZE SPONSOR RESPONSIBILITY
- FACILITATE COMMUNICATIONS

1. AUTHORIZATION

WE ASK FAR 135 OPERATORS TO PROVIDE:

- COPY OF OPERATING CERTIFICATE
- CONTACT INFORMATION (FLT. MGRS.)
- MODELS OF HELICOPTERS

1. AUTHORIZATION

*WE ASK PUBLIC SERVICE AND MILITARY
OPERATORS TO PROVIDE:*

- CONTACT INFORMATION (FLT. MGRS.)
- MODELS OF HELICOPTERS

1. AUTHORIZATION

WE ASK ALL OPERATORS TO UPDATE OUR
RECORDS WHEN MODELS OF
HELICOPTERS AND FLIGHT MANAGERS
CHANGE

1. AUTHORIZATION

FAR 135 OPERATORS/TRAINING

THE LATEST VERSIONS OF OUR STANDARDS OF PRACTICE AND OF THIS POWERPOINT PRESENTATION ARE ON THE FOLLOWING WEBSITE:

WWW.RENOWN.ORG

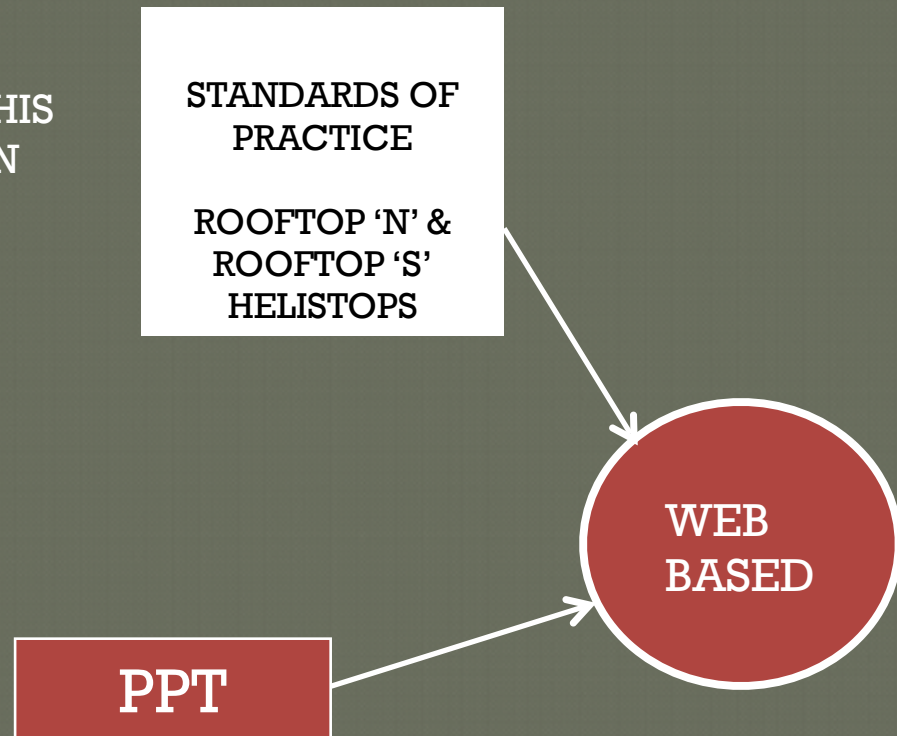
Enter helicopter in the search box

STANDARDS OF
PRACTICE

ROOFTOP 'N' &
ROOFTOP 'S'
HELISTOPS

WEB
BASED

PPT



1. AUTHORIZATION

**RRMC WILL PROVIDE LETTERS
AUTHORIZING USE**

WHY THE PROCESS?

1. AUTHORIZATION

1

WE MUST MANAGE OUR HELISTOPS RESPONSIBLY. TO DO SO WE WILL MAINTAIN POSITIVE CONTROL OVER THOSE WHO ARE ALLOWED TO USE THEM.

2

THIS EFFORT WILL ALSO PROVIDE AN EFFICIENT AND EFFECTIVE COMMUNICATIONS CONDUIT TO LET YOU KNOW ABOUT CLOSURES, RESTRICTED OPERATIONS, ALTERATIONS, CHANGES TO POLICIES AND PROCEDURES AND SAFETY ALERTS.

2. FLIGHT PROCEDURES

- ARRIVAL – ON STATION - DEPARTURE
- “HOT” LOADING/UNLOADING
- REMAINING ON STATION
- SIMULTANEOUS OPERATIONS
- NOISE CONTROL

2. FLIGHT PROCEDURES

ARRIVAL

PREFERRED APPROACH IS EAST TO WEST

CONTACT REMSA DISPATCH ON "MED 5" – 10 MINUTES
OUT – PROVIDE LOCATION

DISPATCH WILL ASSIGN A MED CHANNEL, PROVIDE
KNOWN TRAFFIC, ADVISE OF AVAILABLE HELISTOP
(ROOFTOP N OR ROOFTOP S) AND PROVIDE A
"PATCH" TO RRMC

2. FLIGHT PROCEDURES

ON STATION

CONTACT DISPATCH WITH PHONE NUMBER.

FREQUENCY OF OPERATIONS MAY REQUIRE CLEARING OF HELISTOP WITHOUT MEDICAL CREWS.

COORDINATE ON 123.025

2. FLIGHT PROCEDURES

DEPARTURES

NOTIFY DISPATCH BY PHONE OR RADIO PRIOR TO ENGINE START.

NOTIFY DISPATCH ON ASSIGNED MED CHANNEL PRIOR TO TAKEOFF - WITH INTENTIONS.

NOTIFY WHEN CLEAR OF AREA (3-5 MILES)

2. FLIGHT PROCEDURES

**“HOT” LOADING/UNLOADING IS
PRE-APPROVED:**

WHEN PILOTS DETERMINE THAT PATIENT OR FLIGHT
CONDITIONS REQUIRE THEM.

2. FLIGHT PROCEDURES

REMAINING ON STATION

PLEASE LIMIT YOUR STAYS TO THAT WHICH IS NECESSARY TO SERVE YOUR PATIENTS.

PROVIDE A CELL PHONE NUMBER TO REMSA DISPATCH WHILE YOU ARE ON SITE.

2. FLIGHT PROCEDURES

SIMULTANEOUS OPERATIONS

OUR HELISTOPS ARE DESIGNED TO ACCOMMODATE NEARLY SIMULTANEOUS OPERATIONS. PLEASE PLAN YOUR LANDINGS AND TAKEOFFS ACCORDINGLY.

WE RECOMMEND AT LEAST $\frac{1}{2}$ MILE SEPARATION.

2. FLIGHT PROCEDURES

NOISE CONTROL

AS WE HAVE STATED, OUR FACILITY IS VERY BUSY. PLEASE LIMIT OPERATIONS IN THE VICINITY TO NECESSARY TRAINING AND OPERATIONS REQUIRED FOR PATIENT SERVICE.

3. PATIENT TRANSFERS

PATIENT TRANSFERS

ARRIVALS ARE MET BY 2 RENOWN STAFF MEMBERS WHO HAVE BEEN TRAINED ON HELICOPTER PROTOCOL. YOU MUST SPECIFICALLY REQUEST A NURSE OR MEDICAL TECHNICIAN.

4. IRREGULAR OPERATIONS

- CLOSURES
- WINDOW WASHING
- DEVIATIONS TO AIRPORT
- INOPERABLE HELICOPTERS

CLOSURE PROCEDURE

An aerial photograph of a city, likely Salt Lake City, showing a dense urban area with various buildings and streets. In the foreground, a large rooftop helipad is visible, featuring two helistops. Each helistop is marked with a white 'H' on a dark circular background. Both helistops are crossed out with large, bright yellow 'X' panels, indicating they are closed. The background shows a cityscape with mountains in the distance under a cloudy sky.

IF WE CLOSE ONE OR BOTH OF OUR HELISTOPS WE WILL PHONE AND/OR EMAIL THOSE OPERATORS WHO HAVE BEEN GRANTED PERMISSION TO USE OUR HELISTOPS. WE WILL ALSO MARK CLOSED HELISTOPS WITH YELLOW PANELS.

4. IRREGULAR OPERATIONS

WINDOW WASHING

WHEN OUR WINDOWS ARE BEING WASHED REMSA
DISPATCH MAY ASK YOU TO LIMIT APPROACHES AND
DEPARTURES TO ONE SIDE OF THE TOWER.

4. IRREGULAR OPERATIONS

DEVIATIONS TO AIRPORT

THERE MAY BE TIMES WHEN DEVIATIONS TO RENO'S AIRPORT ARE NECESSARY DUE TO INCLEMENT WEATHER OR FACILITY CLOSURES.

WHEN THIS OCCURS PLEASE COORDINATE WITH REMSA DISPATCH.

4. IRREGULAR OPERATIONS

INOPERABLE HELICOPTERS

WE EXPECT THAT IF YOU EXPERIENCE A MECHANICAL FAILURE THAT YOU WILL TAKE NECESSARY STEPS TO SOLVE THE PROBLEM SO THAT YOU CAN RETURN YOUR AIRCRAFT TO SERVICE. OUR POLICY IN THIS REGARD IS THAT YOU DO SO.

HELISTOP OPERATIONS

SAFETY IS EVERYONE'S BUSINESS

- **OUR SAFETY HOTLINE IS 775.982.7777**
- **WE HAVE A SAFETY/SECURITY COMMITTEE**
- **INSPECTIONS WILL BE CONDUCTED ROUTINELY**
- **FOD CONTROL IS EXPECTED OF EVERYONE**

HELISTOP OPERATIONS

PLEASE REPORT INOPERABLE
EQUIPMENT AND UNSAFE OR EVEN
QUESTIONABLE CONDITIONS.

YOUR COMMUNICATIONS WILL BE GIVEN
HIGH PRIORITY.

SUMMARY

- HELICOPTER OPERATIONS AT RENOWN REGIONAL MEDICAL CENTER ARE FREQUENT AND SOMETIMES INTENSE.
- SAFETY IS VITAL. IT REQUIRES A TEAM EFFORT AND VIGILANCE BY ALL INVOLVED.
- HELP US FINE TUNE OUR PROCEDURES AND THIS PRESENTATION BY PROVIDING FEEDBACK.

SUMMARY

THANK YOU
FOR YOUR ATTENTION TO THIS TRAINING
PRESENTATION.

RRMC
FACILITIES SERVICES DEPARTMENT