

FROM JOYCE TIDDER (JOHN SHEPARD'S SEC.) ON 2-7-86

(TRANSMITTAL SHEET)

JOHN SHEPPARD
NCFS FIRE BEHAVIOR SPECIALIST
733-2162

SUBJECT: Amendment to NCFS MANUAL, April 1983
TO: Holder of NCFS MANUAL NO. _____
THROUGH: Line Supervisors
FROM: H. J. Green, Director

4000 - DIS
413

5 YR. PERIOD
17 (inc. Blowup)
JOHN PEARSON
NCFS
27

7	3.4
6	9.4
5	17.4
4	18.4
3	19.4
2	51.2
1	46.0

160

10 FEB 20 MAY
OCT 15 DEC 15
1977-81
SET YEAR ROUND
NORMALLY NOT
OVER A 2 RP

1-0-44
14-5
18-4
8.3%

Amendments to each SERIES are numbered on transmittal sheet you received for this amendment is in sequence. Retain this transmittal sheet until next amendment is received. Keep only the latest transmittal sheet. Place it at the front of the SERIES behind the previous one.

NEW PAGES

- 4131 - Policy (1 page)
- 4131 - Procedure (7 pages)

RE
41

- 4131 - Procedure (7 pages) 10/31/72 and 3/6/74

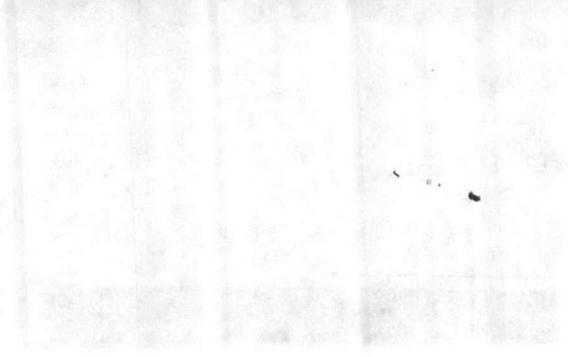
Digest

Updates policy and procedure for statewide readiness plans to reflect changes in the Division organization and use of the National Fire Danger Rating System.

H. J. Green
H. J. Green
Director

/bjt

Amendment No. 100
April 19, 1983



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4000 - DIST
4131

10 FEB 1 III III
20 MAY 2 III III III
3 III III III III III III
4 III III III III III
5 III III
1985
1 31
2 39
3 32
OCT 15 1 III III III III III
2 III III III III III III
DEC 15 3 III
4
5
3-7
9-6-44 365 days
14-5
18-4 78.3%

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Amendment No. 100
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PROJECT OPERATIONS

STATEWIDE READINESS PLAN
(Policy & Procedures)

Attachment No. 100

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...

...

...

...

FROM
JOYCE TIDDER, SEC.
(JOHN SHEPARD'S SEC.)
ON 2-7-86

(TRANSMITTAL SHEET)

JOHN SHEPARD
NCFS FIRE BEHAVIOR SPECIALIST
733-2162

SUBJECT: Amendment to NCFS MANUAL, April 1983

TO: Holder of NCFS MANUAL NO. _____

THROUGH: Line Supervisors

FROM: H. J. Green, Director

4000 - DISTRICT OPERATIONS

4131 - STATEWIDE READINESS PLANS
(Policy & Procedure)

Amendment No. 100

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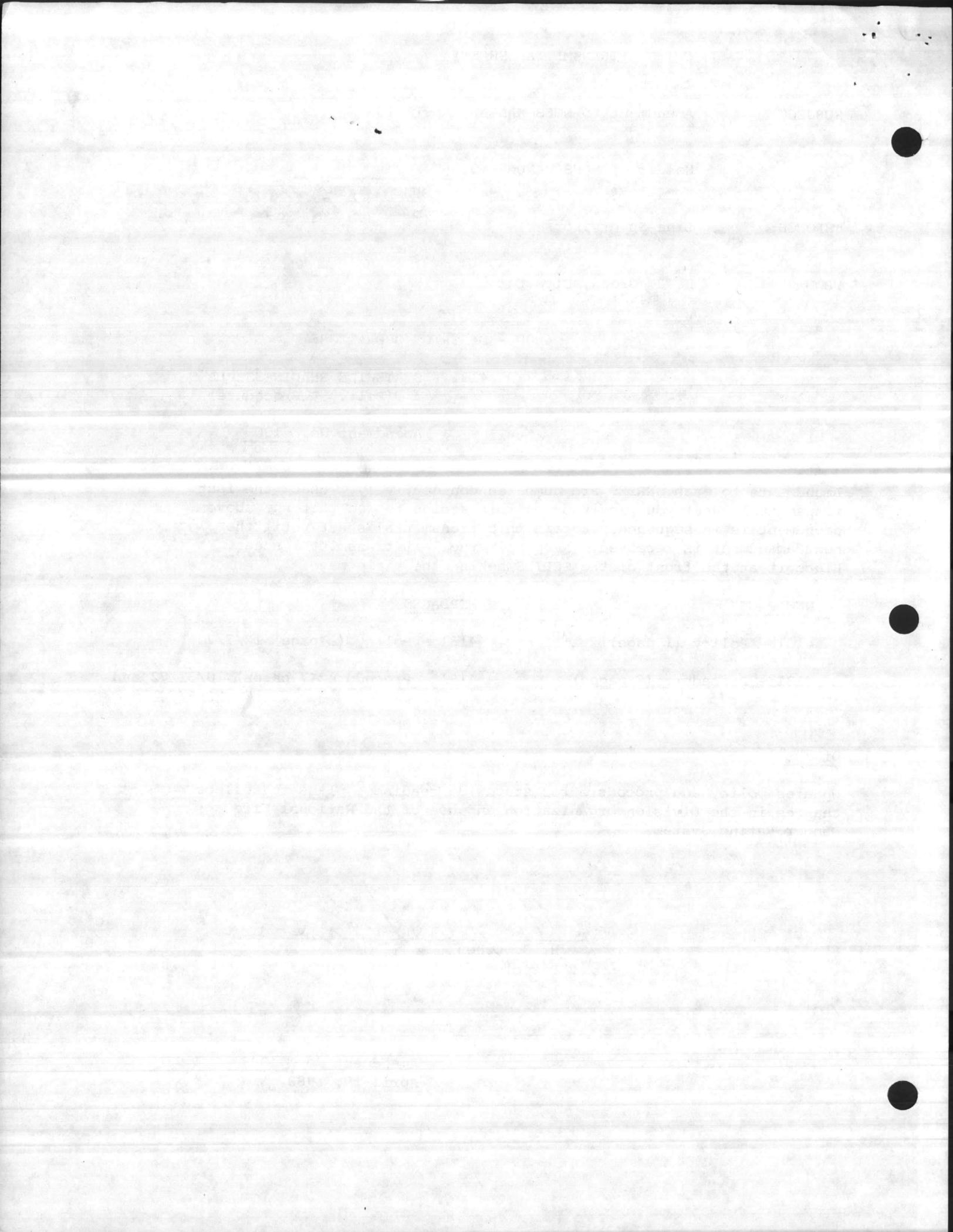
Digest

Updates policy and procedure for statewide readiness plans to reflect changes in the Division organization and use of the National Fire Danger Rating System.


H. J. Green
Director

/bjt

Amendment No. 100
April 19, 1983



April 1983

A system of seven readiness plans will be developed and used by all Districts. The purpose of readiness plans is to insure that the state of readiness is commensurate with existing fire danger and that the state of readiness is relaxed when fire danger is lessened or does not exist.

Readiness plans are used to set the appropriate degree of readiness for initial attack and support personnel and equipment. They are also used to alert the appropriate fire team of support, serve as a guide for tower manning schedules, and to set priorities in work planning.

*RALPH COLLUM
638-8048
1-14-86*

*JOHN PEARSON
CARL TURNER*

324-3633

On what

R.P.

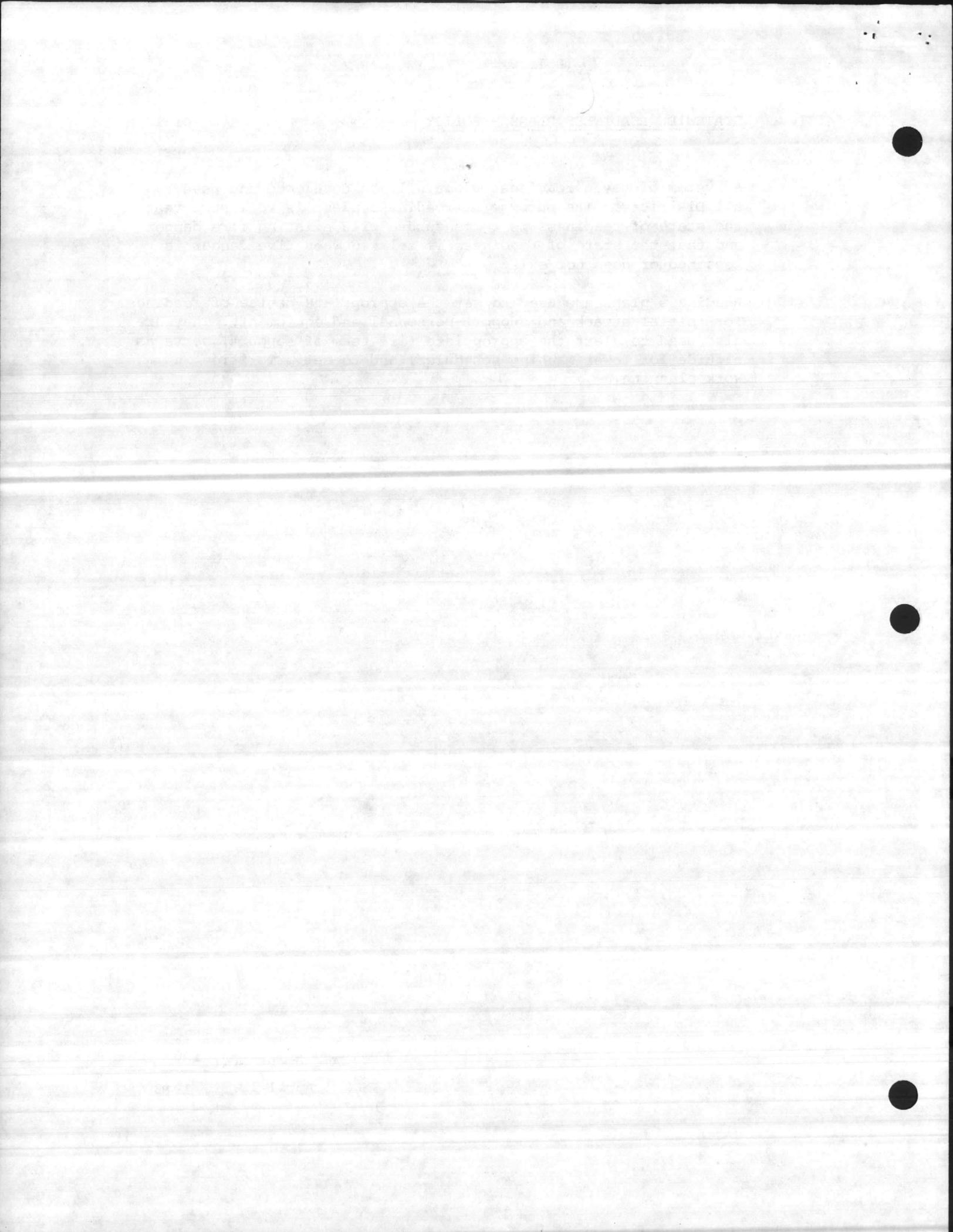
Do you get a predicted R.P. for tomorrow when you get warmer or breezier?

Don't know 1-17-86

R.P. 2

*1430
1700*

Depending on R.P.



(Procedure)

4131 - STATEWIDE READINESS PLANS - PROCEDURE

4131 *

April 1983

4131.1 Definition - Readiness plans are action plans that will provide a degree of readiness commensurate with fire danger. The objective is to reduce cost of fire suppression plus fire losses to a minimum.

4131.2 Setting Readiness Plans

4131.21 The District Forester is responsible for the effective use of readiness plans in his District. Daily setting of readiness plans will normally be delegated to the District Operations Officer.

4131.22 The District Operations Officer may consult the District Staff and County Rangers as necessary before setting readiness plans.

4131.23 It will be permissible to divide a District into zones and operate on different readiness plans when local conditions warrant.

4131.24 All readiness plans are based on the worst fire conditions expected in the district or zone during the day.

4131.3 Factors to be Considered in Setting Readiness Plans

4131.31 Hazard - hazard is the influence of weather and fuel conditions on the rate of combustion and rate of spread. The degree of hazard is measured by the Burning Index.

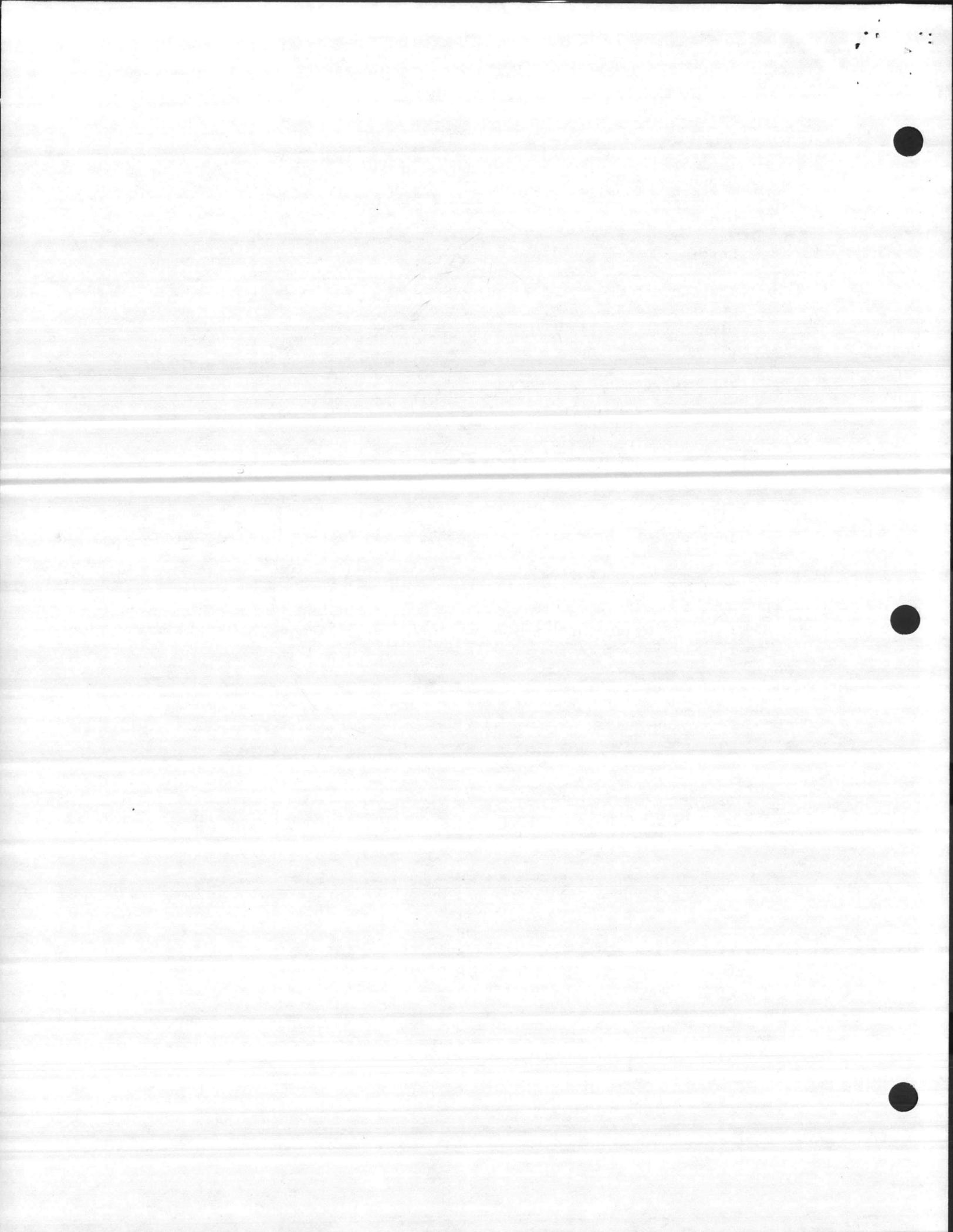
(1) Fire danger readings should be used as a indicator of the degree of hazard of the day through use of the readiness plan curves or burning index. The indicated plan day should then be modified as necessary after considering risk and capability.

(2) Fire weather forecasts should be considered in estimating hazard and can be used to predict fire danger readings; therefore, they can be used as a guide for predicting readiness plans for tomorrow. Prediction of atmospheric instability, erratic fire behavior, or the presence of an adverse wind profile should be given careful consideration when setting readiness plans.

4131.32 Risk - risk is the chance of a fire starting as determined by the presence and activity of people or lightning. Deviation from normal should be taken into consideration when setting readiness plans. Readiness plans may be adjusted up or down depending on the degree of risk. This must be a judgment by the Operations Officer and must be weighted by him. Typical deviations from normal risk are:

* Amendment No. 100

April 19, 1983



(1) Increased/decreased people activity in hazardous areas, such as hunting, fishing, debris burning, military maneuvers, and incendiary activities

(2) Dry lightning storms

4131.33 ^(Z) Capability - readiness plans are designed with the assumption that the full capability of the unit is available; consequently, the plan may be increased when any loss of capability occurs. Capability is reduced by equipment breakdown, loss of personnel through exhaustion, or off-station assignment. The readiness plan may be adjusted to compensate for this loss in ability to respond. This is a judgment determination by the Operations Officer.

4131.4 Readiness Plans

4131.41 Readiness Plan One - No appreciable fire activity

(1) Little or no chance of fire occurring

(2) Mandatory activities:

a. No mandatory activities required

(3) Permissible activities:

a. Leave and all non-fire assignments

No Restriction

4131.42 Readiness Plan Two - Occasional fire activity

(1) Fire suppression within the county organization capability

(2) Mandatory activities:

a. Initial attack equipment ready for dispatch

b. Sufficient county personnel on station to provide a successful initial attack

c. All on-duty district fire control personnel in communications

(3) Permissible activities:

a. Leave and non-fire assignments on a selective basis

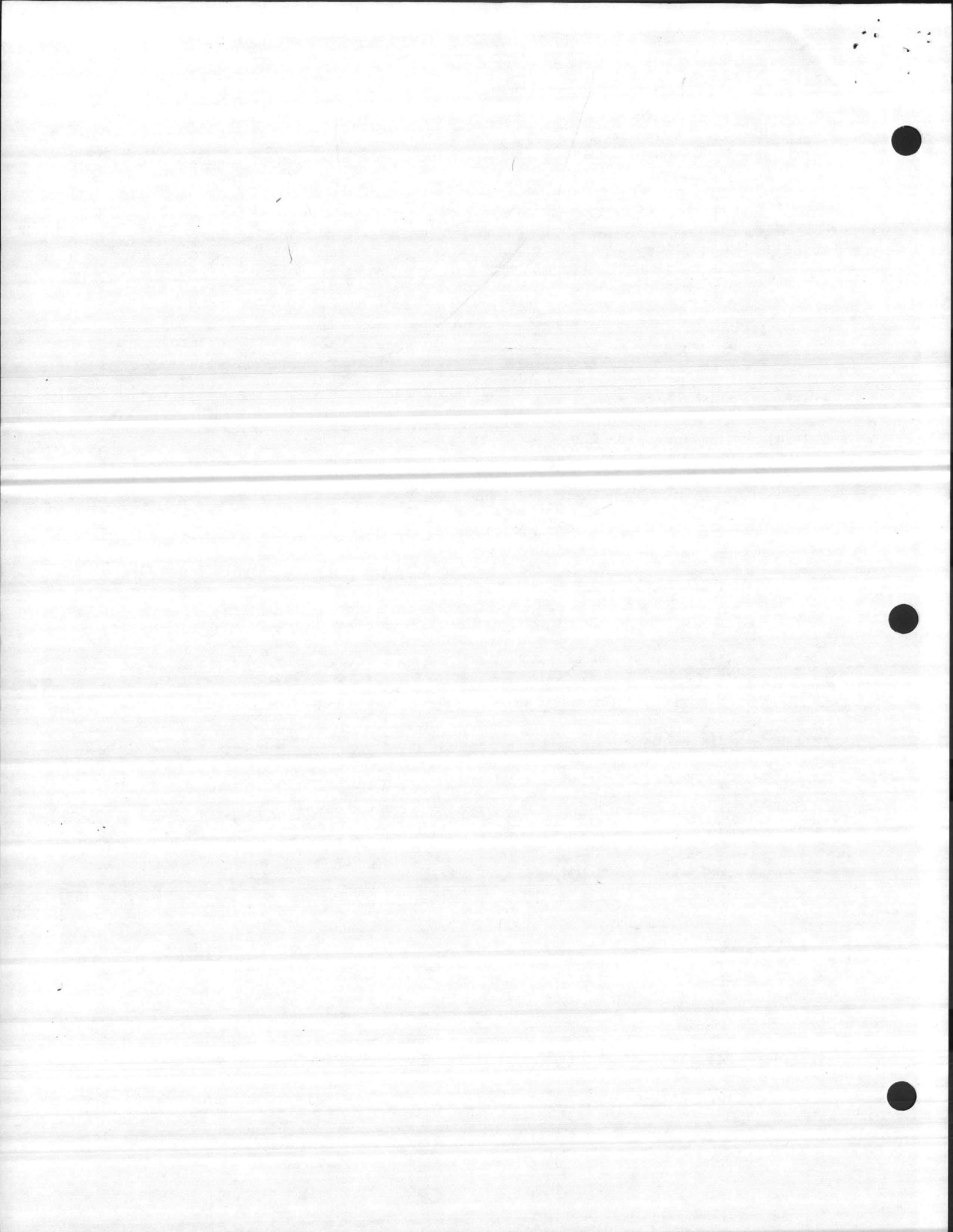
b. Availability for outside activity at the discretion of Field Supervisor

No Restriction

4131.43 Readiness Plan Three - Moderate fire season activity

(1) Fire suppression usually within the County capability but necessary district support available if needed

*No Restriction
TOWERS AMMMA*



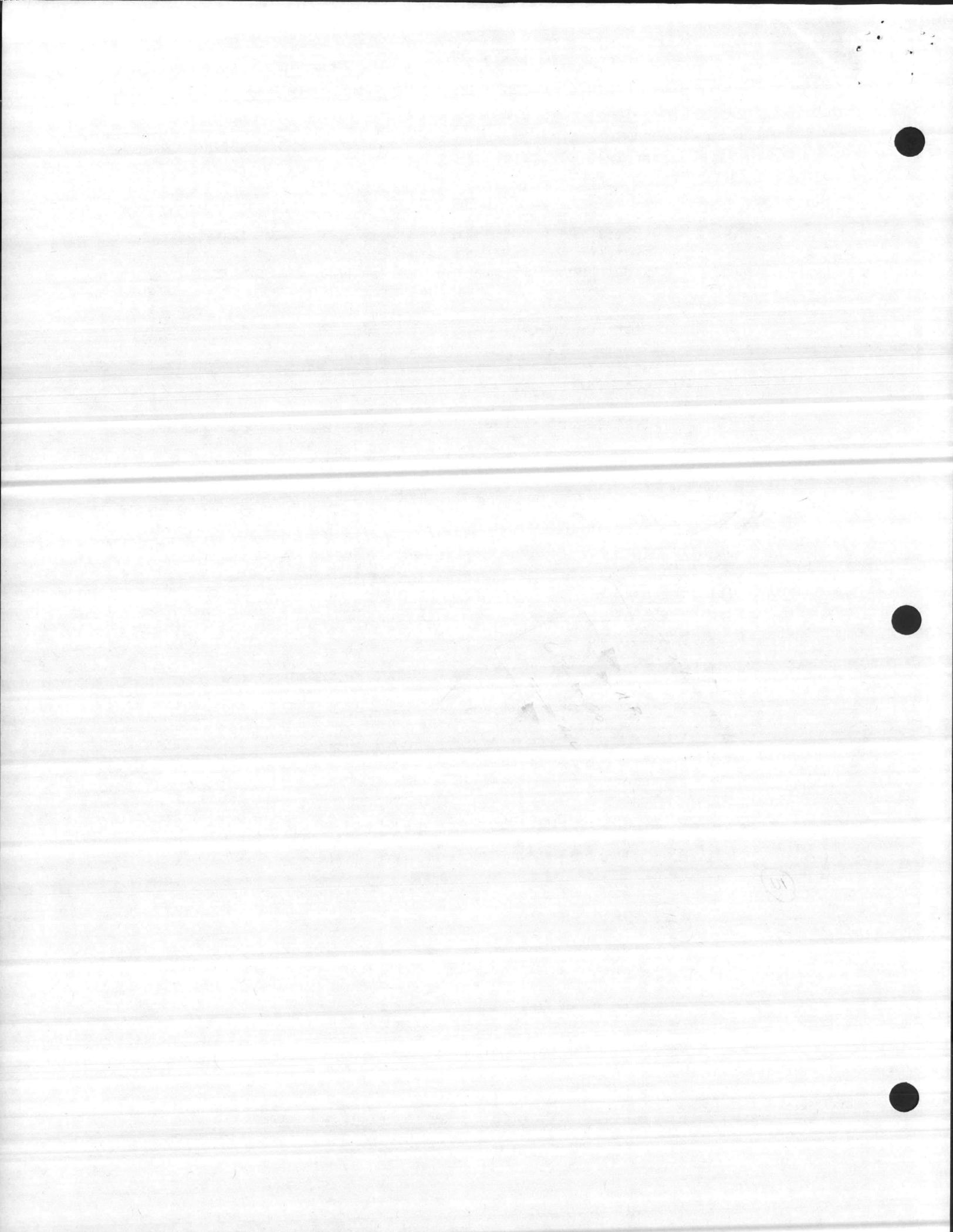
- (2) Mandatory activities:
 - a. County initial attack organization ready for dispatch
 - b. District support equipment available for dispatch. District personnel and other county personnel as needed should be available for fire control assignment during that part of the day when fires are most likely to occur
 - c. District Operations Room manned
 - d. Weather forecast relayed to all county units and cooperators daily
- (3) Permissible activities:
 - a. Leave on a limited basis and at the discretion of the responsible Field Supervisor
 - b. Available for outside activity at the discretion of Field Supervisor

4131.44 Readiness Plan Four - Normal fire season activity

- (1) The need for district support probable. Fire suppression within the district organization capability. Air tankers and helicopters available at the discretion of the Regional Forester
- (2) Mandatory activities:
 - a. Entire county organization on station and ready for dispatch
 - b. District organization available as needed for fire control assignment
 - c. District Operations Office manned by Operations Officer
 - d. All district support equipment ready for dispatch
 - e. Weather forecasts relayed to all county units and cooperators daily
 - f. District report readiness plan to Regional Forester, Operations Officer, or other designated member of the Regional Staff, and Central Office Operations Officer when Readiness Plan Four is set
 - g. Regional Operations Room manned or Regional Forester or other designated Regional Staff person remain in communications
 - h. Central Office Operations Officer in communications

No RESTRICTION

*NCRS expect
3 to 4 fires/day*



(3) Permissible Activities:

- a. Leave only on a limited basis and at the discretion of the responsible Field Supervisor
- b. Outside assignments at the discretion of the Field Supervisor

4131.45 Readiness Plan Five - Severe fire conditions

1. PPO to authorized embes only
2. Smoking & swimming fires in fireproofed areas only under supervision of NCO

(1) Fire suppression within district capability with full regional air support available

(2) Mandatory activities:

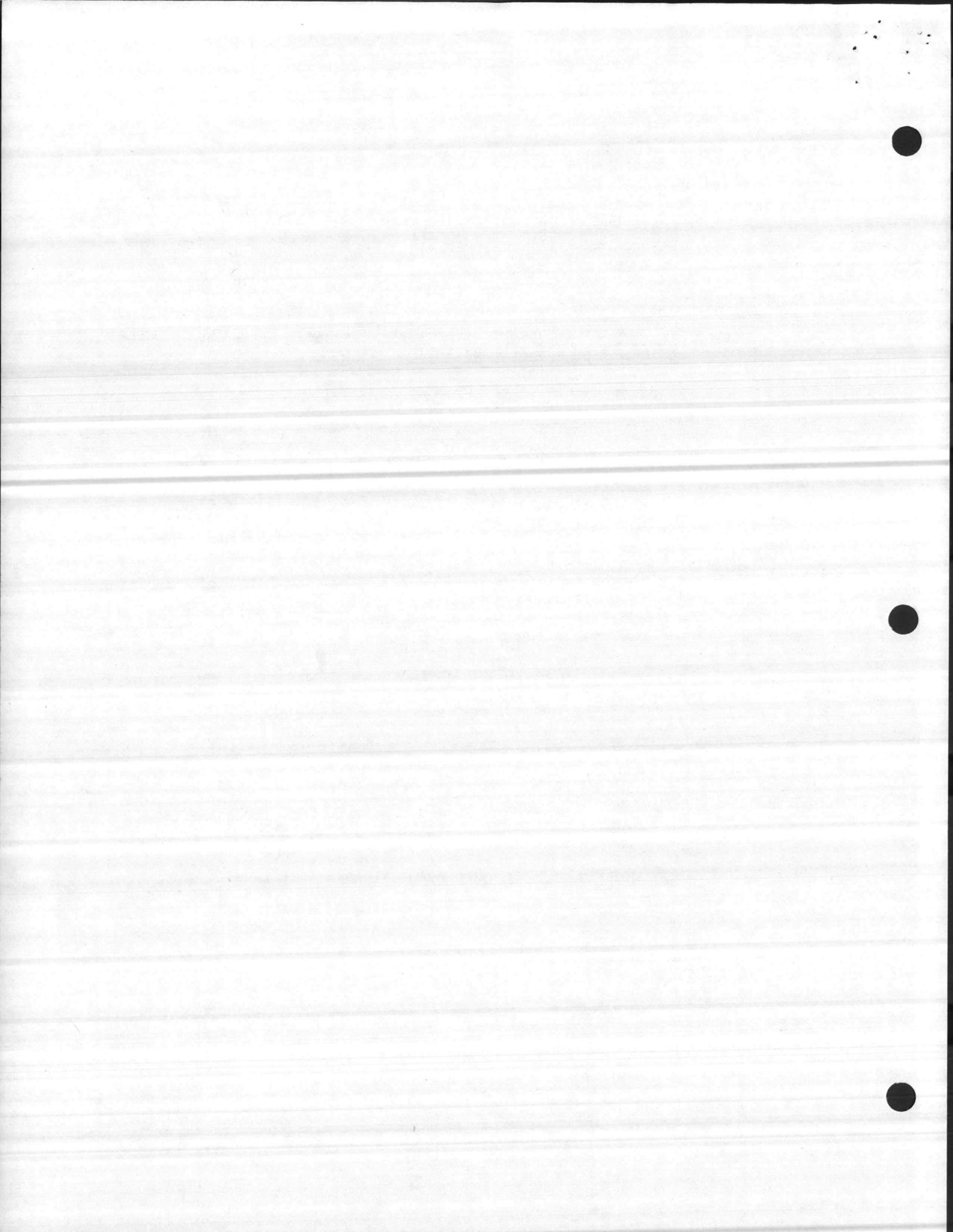
- a. All district personnel and regional air support personnel committed to fire control assignments
- b. District Operations Officer notify Regional Forester, Regional Operations Officer, or other designated Regional Staff person, Central Office Operations Officer, and all cooperators when Plan Five is set

The purpose of notification is to discuss the general fire situation, mutual problems, possibility of additional help needs, and outlook for need of cooperator crews

- c. Regional Operations Room manned by an Operations Officer in Region One and other Regions have designated Staff person in communications
- d. Central Office Operations Officer in communications and Operations Room personnel on standby. Operations Room manned on weekends and holidays
- e. Central Office notify the Fire Weather Forecaster when Plan Five is set
- f. Public fire warnings issued at district level

(3) Permissible activities:

- a. Emergency leave only
- b. Outside assignments at the discretion of the Field Supervisor



4131.46 Readiness Plan Six - Critical fire conditions

(1) Need for regional support probable with full regional support available. Effective control of all fires within regional capability

(2) Mandatory activities:

a. All district and regional personnel committed to fire control assignments

b. District Operations Officer alert Regional Operations Officer, (or Regional Forester/designated Regional Staff person), all cooperators, and Central Office Operations Officer daily by telephone and appraise them of the fire situation when Plan Six is set.

The purpose of notification is to discuss the general fire situation, mutual problems, possibility of additional help needs, and outlook for need of cooperator crews.

c. Central Office Operations Room manned by Operations Officer

d. Central Office Operations Officer notify Fire Weather Forecaster when Plan Six is set

e. A project fire team will normally be alerted when a district goes to Plan Six. The appropriate short team(s) will be alerted when requested by the Regional Forester. The Central Office Operations Officer will discuss the situation with the Regional Forester or the District concerned and determine if the appropriate project fire or short team should be alerted for possible dispatch.

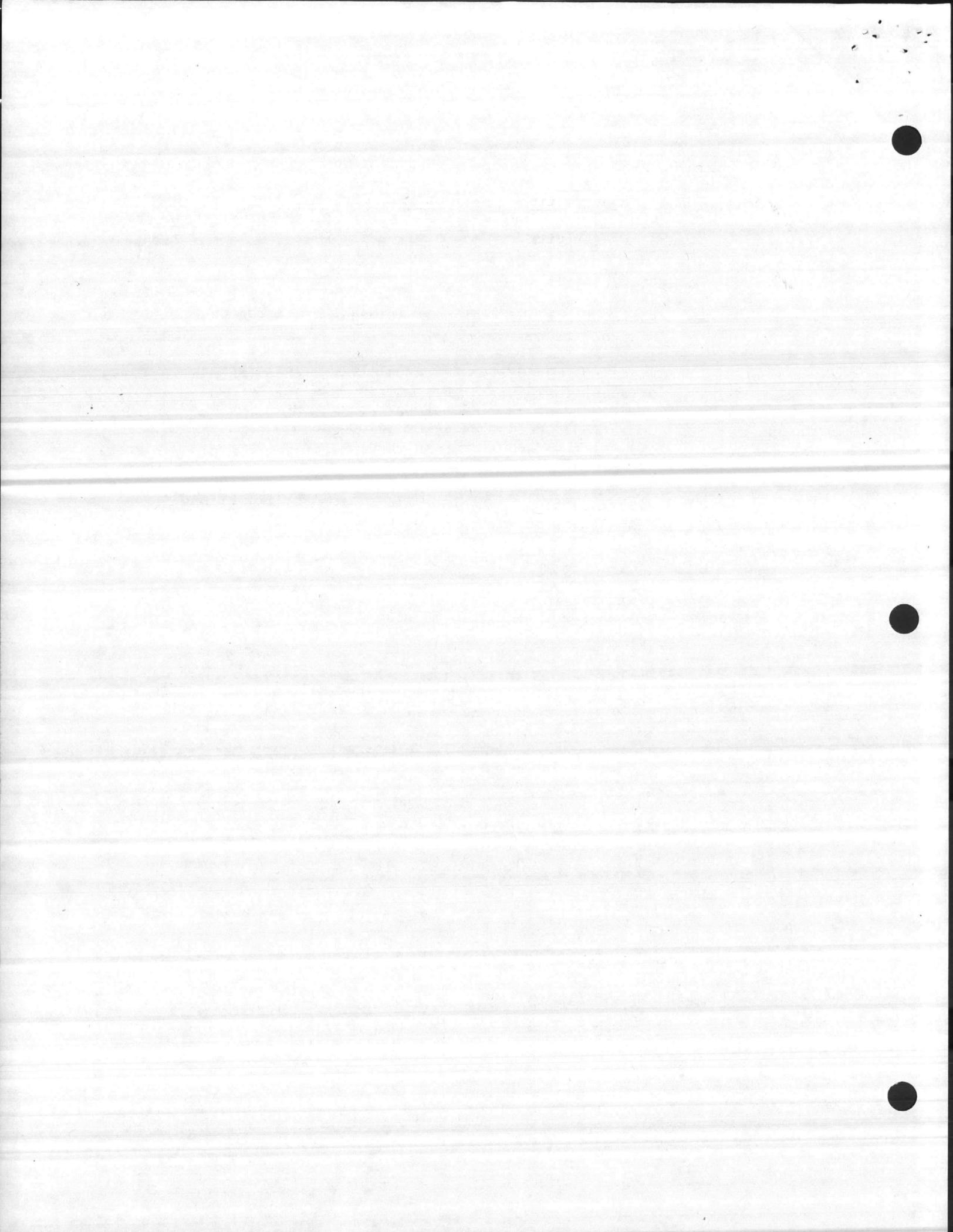
f. District Operations Officer will alert their respective district forestation crews when Readiness Plan Six is set. Crew assignments will be dictated by district needs.

g. All regional support equipment ready for dispatch

(3) Permissible activities:

a. Emergency leave only

*1. No fire or cooking
2. No swimming pools
3. No smoking*



4131.47 Readiness Plan Seven - Extreme fire conditions

*1. suspend training activities
2. after two days bring in troops*

(1) Probable that assistance from outside the Region may be needed to effectively control fires

(2) Mandatory activities:

- a. All NCFS personnel available for fire control assignments
- b. District Operations Officer alert Regional Operations Officer, Regional Forester, all cooperators, and Central Office Operations Officer daily by telephone and appraise them of the fire situation when Plan Seven is set.

The purpose of notification is to discuss the general fire situation, mutual problems, possibility of additional help needs, and outlook for need of cooperator and forestation crews.

- c. Central Office Operations Room manned by Operations Officer
- d. Central Office Operations Officer notify Fire Weather Forecaster when Plan Seven is set
- e. Central Office Operations Officer will contact each Field Office concerning alert of Project Fire Team and appropriate short teams on each Plan Seven Day

(3) Permissible activities:

- a. Emergency leave only

4131.48 Blow-Up Alert

same as BP 7

At any point after extensive drying has taken place, there is a possibility that blow-up fire conditions could develop. The development of these conditions depend upon a combination of certain factors being present at the same time. These factors are a high Energy Release Component, low relative humidity or fine fuel moisture, atmospheric instability, adverse wind profile, and a sufficient concentration of available fuel. It is emphasized that all of these conditions must be present for Blow-Up conditions to exist. Because of the different possible combinations of these factors, the prediction of whether or not a blow-up condition exist is based on the judgment of an individual.



1955
1956



The adverse wind profile is the triggering factor in a Blow-Up Alert. This weather phenomena may cover the state or be restricted to a given area. When all of the following conditions exist in a given area, and when an adverse wind profile is reported or predicted, a blow-up alert will be activated:

- (1) The Energy Release Component is high enough to indicate that there is sufficient available fuel
- (2) The Relative Humidity is low enough to provide dangerous fine fuel moisture
- (3) Predicted instability or the presence of unstable atmospheric conditions

The following procedure will be used by each district affected by the blow-up alert to activate the "Blow-Up Alert."

- (1) Notify all NCFS personnel by radio
- (2) Use only the following words:
"BLOW-UP CONDITIONS EXIST, DISTRICT READINESS PLAN SEVEN"
- (3) Notify Cooperators by telephone
- (4) Notify Regional Headquarters and Central Office

When the "Blow-Up Alert" is activated, the alert will remain in effect one full day after the last Adverse Profile was detected, or precipitation, or a marked change in the weather conditions occur.

