



**National Advanced Fire & Resource Institute**  
Managed By The U.S. Forest Service

3265 East Universal Way, Tucson, Arizona 85756  
Phone 520-799-8787 • Fax 520-799-8785 • [www.nafri.gov](http://www.nafri.gov)

**File Code:** 5100

**Date:** February 22, 2010

**Subject:** S-482 Advanced Fire Management Applications (formally known as S-580  
Advanced Wildland Fire Applications)  
March 23 – 26, 2010

**To:** S-482 Course Participant

Congratulations on your selection to attend the S-482 Advanced Fire Management Applications course to be held at the National Advanced Fire and Resource Institute (NAFRI). The course dates are March 23 – 26, 2010. Please note the course starts Tuesday morning at 0800. Enclosed you will find; the course and unit objectives, faculty assignments, course schedule.

**Course Information:**

S-482 begins Tuesday, March 23 at 0800 in the Sonoran Auditorium. The course ends at 1100 on Friday, March 26. Do not make flight reservation that will interfere with the course times.

S-482 is a Geographic Area level training course. Expect long days. You will be expected to attend the entire course for a completion certificate.

You will be provided a course binder, and various handouts. At the end of the course each participant will receive a CD with all lesson plans, most PowerPoint's, and various handouts.

**Cancellation Policy:**

If for any reason you are unable to attend the course, please let us know. Do not replace yourself.

**Logistics:**

**Course Facility**

Our facility is close to the Tucson International Airport. You can find a map of the area at [www.nafri.gov](http://www.nafri.gov).

**Place:** NAFRI

**Main Phone:** (520) 799-8787

**Address:** 3265 E. Universal Way, Tucson, AZ 85756

**Fax:** (520) 799-8785

**Travel Arrangements**

The course begins on Tuesday morning, March 23<sup>rd</sup> at 0800. Travel should be scheduled for Monday, March 22, 2010. The course ends Friday, March 26<sup>th</sup> at 1100. When making your return flight arrangements, allow at least 15 minutes from NAFRI to the Tucson International Airport by car.

**Lodging**

For a listing of hotels near NAFRI, go to the main NAFRI website (<http://www.nafri.gov>). Please mention you are with NAFRI.

The hotels and inns located in this area provide a wide variety of amenities suitable for all visitors. The hotels and NAFRI are within one mile of the Tucson airport. Most of the hotels also provide free continental breakfast. Other amenities may be provided based on the individual hotel properties. Be sure to confirm with the hotel when setting up your reservation.

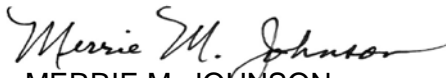
**Transportation**

If you are not renting a car, NAFRI will be providing a van shuttle service to and from the hotels as needed for the course, once in the morning and again after class in the evening. Please call the NAFRI main number (520-799-8787) to make arrangements or go online <http://www.nafri.gov> to sign up for a ride.

**Restaurants**

There are a variety of lunch options within walking distance of NAFRI.

Please contact Gladys Ross, S-482 Course Coordinator, at 520-799-8753 or by email [gmross@fs.fed.us](mailto:gmross@fs.fed.us) with any questions or concerns about the S-482 Course.



MERRIE M. JOHNSON

Director

**NWCG CURRICULUM MANAGEMENT ISSUE PAPER #107**  
**ASSIGNMENT OF COURSE NAME AND NUMBER FOR**  
**S-580 REPLACEMENT COURSE**  
**January 14, 2010**

**BACKGROUND**

The Operations and Workforce Development Committee (OWDC) reviewed the S-580 Transition Plan and supports the recommendation to move the delivery of the course from a national to a geographic level beginning in 2011 as referenced in the December 13, 2009 memo from OWDC to the S-580, Advanced Wildland Fire Applications Steering Committee.

The Steering Committee was directed to coordinate with the NWCG Development Unit and the Evaluation Unit to determine the new course name and number.

**CURRENT STATUS**

The course will be delivered in an alpha state in February 2010. The Steering Committee would like to solidify a new name and number so students taking the course can be given credit for the new course. The Steering Committee feels that a new name would better reflect the content of the course.

**RECOMMENDATION**

It is the recommendation of the Fire Use Sub-committee and the S-580 Steering Committee that the name of the course be revised to **Advanced Fire Management** Applications; the NWCG Development and Evaluation Units would like to assign **S-482** as the course number

**APPROVED** / **DENIED**  
(circle one)

**SIGNATURE**

*Rosemary Thomas*

**02/01/10**

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**OWDC Chair**

\_\_\_\_\_  
**Date**

cc: IQCS Program Lead  
Fire Environment Committee Chair  
Fire Use Sub-committee Co-Chairs

**S-482 ADVANCED FIRE MANAGEMENT APPLICATIONS**  
**March 23 – 26, 2010**  
**Tucson, Arizona**

**FACULTY ASSIGNMENTS**

**UNIT I – COURSE INTRODUCTION**

**UNIT LEADER: JOHN SEGAR**

- A. Wildland Fire in the Real World: A Professional Perspective & Expectation      Dick Markley
- B. Managing Multiple Objectives – Protection vs. Benefit      TBD

**UNIT II – POLICY AND PROGRAMMATIC DIRECTION**

**UNIT LEADER: JOHN SEGAR**

- A. Policy Update      Dick Bahr
- B. Programmatic Planning Considerations      Dave Campbell

**UNIT IIIa – RISK INFORMED DECISION MAKING PROCESS**

**UNIT LEADER: JOHN SEGAR**

- A. Information Gathering
  - Cultural Resources and Tribal Resource concerns      Bill Gillespie
  - Smoke Management      Ron Sherron
  - T & E Species      Brenda Smith
  - Wilderness vs. Non-Wilderness      Kendall Clark
  - Weather, Climate and Fuels      Marlana Hovorka
  - Geography and Land Ownership      Marlana Hovorka
  - Impacted and Interested Communities      Heidi Schewel

**UNIT IIIb – RISK INFORMED DECISION MAKING PROCESS**

**UNIT LEADER: EMILY IRWIN**

- A. Decision Analysis Tools      Joe Scott
  - B. Risk Assessment      Joe Scott/Marlana Hovorka
  - C. Analysis      TBD
  - D. Developing a Course of Action      Ashley Sites/Chris Marks
  - E. Analysis of Results and Validation      Dave Bartlett
  - F. Application/Decision      Jacque Buchanan
  - G. Evaluation      Dave Bartlett
- Exercise Briefing      Mary Taber

**UNIT IV – OPERATIONAL APPLICATION**

**UNIT LEADER: MARY TABER**

A. Building an IAP

Mark Petroni

B. Operational Risk Assessment – Safety Message

Andy Mitchell

C. Exercise

Byron Bonney/Gary Phillips/Marlana Hovorka

**UNIT V – EVALUATION AND CLOSEOUT**

**UNIT LEADER: DICK BAHR**

Exam

Cadre

Professional, Personal Perspective

Dick Bahr

COURSE CLOSEOUT – EVALUATIONS

Dick Bahr

# NATIONAL ADVANCED FIRE & RESOURCE INSTITUTE

## S-482 ADVANCED FIRE MANAGEMENT APPLICATIONS

Tuesday – March 23

0800 – 0830 - Course Opening – Welcome, Introductions Dick Bahr

UNIT I – COURSE INTRODUCTION Unit Leader: John Segar

0830 – 0920 - A. Wildland Fire in the Real World:  
A Professional Perspective & Expectation Dick Markley

0930 – 1020 - B. Managing Complex Fires – Balancing Protection Objectives and  
Resource Objectives to Achieve Land Management Goals TBD

- Multiple strategies
- Remote Areas
- Special Management Areas
- Cross-boundary coordination

UNIT II – POLICY AND PROGRAMMATIC DIRECTION  
Unit Leader: John Segar

1030 – 1130 - A. Policy Update Dick Bahr

1130 – 1230 - LUNCH

1230 – 1350 - B. Programmatic Planning Considerations Dave Campbell

UNIT IIIa – RISK INFORMED DECISION MAKING PROCESS  
Unit Leader: John Segar

1400 – 1700 - A. Information Gathering

Cultural Resources and Tribal Resource concerns	Bill Gillespie
Smoke Management	Ron Sherron
T & E Species	Brenda Smith
Wilderness vs. Non-Wilderness	Kendall Clark
Weather, climate and fuels	Marlena Hovorka
Geography and Land Ownership	Marlena Hovorka
Impacted and Interested Communities	Heidi Schewel

# NATIONAL ADVANCED FIRE & RESOURCE INSTITUTE

## S-482 ADVANCED FIRE MANAGEMENT APPLICATIONS

Wednesday – March 24

### UNIT IIIb – RISK INFORMED DECISION MAKING PROCESS

Unit Leader: Emily Irwin

0800 – 0900	-	A. Decision Analysis Tools	Joe Scott
0910 – 1010	-	B. Risk Assessment	Joe Scott/Marlana Hovorka
1020 – 1130	-	C. Analysis	TBD
1130 – 1230	-	LUNCH	
1230 – 1405	-	D. Developing a Course of Action	Ashley Sites/ Chris Marks
1415 – 1505	-	E. Analysis of Results and Validation	Dave Bartlett
1515 – 1550	-	F. Application/Decision	Jacque Buchanan
1600 – 1650	-	G. Evaluation	Dave Bartlett
1650 – 1700	-	EXERCISE BRIEFING	Mary Taber

# NATIONAL ADVANCED FIRE & RESOURCE INSTITUTE

## S-482 ADVANCED FIRE MANAGEMENT APPLICATIONS

Thursday – March 25

### UNIT IV – OPERATIONAL APPLICATION

Unit Leader: Mary Taber

0800 – 0850 - A. Building an IAP Mark Petroni

0900 – 0950 - B. Operational Risk Assessment – Safety Message Andy Mitchell

1000 – 1200 - C. EXERCISE Byron Bonney/Gary Phillips/Marlana Hovorka

1200 – 1300 - LUNCH (Cadre)

1300 – 1600 - C. EXERCISE Byron Bonney Gary Phillips/Marlana Hovorka

#### Coaches:

1. Wayne Cook
2. Mark Petroni
3. Diane Hutton
4. Andy Mitchell
5. Ashley Sites
6. Dave Bartlett
7. Chris Marks
8. Brett Fay
9. Cyndi Sidles
10. Chip Collins

1500 - 1630 - Presentations/WFDSS Entry Byron Bonney/Gary Phillips/Marlana Hovorka

1600 – 1700 - Debrief Exercise/School Solution/Discussion Byron Bonney/Gary Phillips

# NATIONAL ADVANCED FIRE & RESOURCE INSTITUTE

## S-482 ADVANCED FIRE MANAGEMENT APPLICATIONS

Friday – March 26

### UNIT V – EVALUATION AND CLOSEOUT

Unit Leader: Dick Bahr

0800 – 0900 - Exam

Cadre

0900 - Grade exam

0900 – 1000 - Professional, Personal Perspective

Dick Bahr

1010 – 1100 - Course Closeout – Evaluations

Dick Bahr