

# **RX – 341 Prescribed Fire Plan Preparation**

## **Student Pre-Course Material**

Complete the following personal information and questions and bring them to class or submit them as directed by the lead instructor or course coordinator.

To complete the Pre-Course Material you will need access to the following items:

[Interagency Prescribed Fire Planning and Implementation Procedures and Reference Guide, PMS 484](#)

[Prescribed Fire Summary and Final Complexity Worksheet, PMS 424-1](#)

[Prescribed Fire Complexity Rating System Guide, PMS 424](#)

[BehavePlus](#)

## PART 1 - TRAINEE INFORMATION

PLEASE ANSWER THE FOLLOWING QUESTIONS IN THE SPACE PROVIDED

1. How would you like your name to appear on the training certificate?

---

2. What is your correct business mailing address and telephone number?  
Please include the name of the agency you work for.

---

---

---

3. List your job title and highest prescribed fire qualification.

---

4. List your duties associated with prescribed fire planning and implementation.

---

---

---

Use the Interagency Prescribed Fire Planning and Implementation Procedures Reference Guide to answer questions 1- 16

1. List three uses for prescribed fire?
2. A prescribed fire plan requires \_\_\_\_ elements and \_\_\_\_ appendices.
3. Identify three items that need to be included in the contingency plan.
4. Name two documents where you can derive prescribed burn objectives?
5. List the three required signatures for prescribed fire plans.
6. Describe the purpose of the Agency Administrator Ignition Authorization and the Prescribed Fire GO/NO-GO CHECKLIST.
  - A.
  - B.
7. What is the purpose of the technical review?
8. Who is responsible for authorizing the prescribed fire plan?
9. What elements of the prescribed plan may be modified on the day of the burn?
10. List three responsibilities of a FEMO.

11. Do prescribed fire plans require a site review by the technical reviewer?
12. Can a type 3 burn boss (RXB3) implement a moderate complexity burn?
13. Can a person who prepares a prescribed fire plan also serve as the technical reviewer for that plan?
14. What information should be covered in the funding section of a prescribed fire plan?
15. List at least three items that should be identified in the smoke management section of the prescribed burn plan.
16. What should you monitor on the day of the burn?

Use the Prescribed Fire Complexity Rating Systems Guide to answer questions 17 – 20

17. What's the purpose of the complexity rating process?
18. What are the 3 factors of the complexity rating system?
19. When do you complete the preliminary rating for complexity analysis in prescribed fire plan preparation?

20. What signatures are required to finalize the complexity analysis?

Consult local resources to answer questions 21 – 24

21. What organization is responsible for enforcing air quality regulation in your state?

22. Briefly describe the procedure for acquiring an air quality permit in your state.

23. What are the work rest guidelines for prescribed fire?

24. What policy document provides direction for your agency to conduct prescribed burning?

Use the Wildland Fire Incident Management Field Guide (PMS 210) to answer questions 25

25. What are the production rates of a type 3 dozer in fuel model 9 on a 40% slope?

Use the following conditions and BehavePlus to answer questions 26 -29.

Fuel Model 2  
 1 hour fuel moistures 4-16, steps of 2  
 10 hour fuel moisture: 7  
 100 hour fuel moisture: 8  
 Live fuel moisture: 150  
 Mid-flame windspeed: 0-20, steps of 4  
 Wind Vector: Upslope (0)  
 Slope: 15%  
 Tree Height: 60 Ft  
 Species: Ponderosa Pine  
 Crown Ratio: 60%  
 Bark thickness: 0.7”  
 Air temp: 75 F

26. What are the predicted limits for wind speed if you want to limit flamelengths between 2 and 8 feet?

Complete the table below and highlight all appropriate answers.

1 – h	Midflame Wind Speed					
Moisture	mi/h					
%	0.0	4.0	8.0	12.0	16.0	20.0
4						
6						
8						
10						
12						
14						
16						

27. What are the predicted limits for wind speeds and fuel moistures if you want to limit scorch height to 40 feet or less?

Complete the table below and highlight all appropriate answers.

1 - h	Midflame Wind Speed					
Moisture	mi/h					
%	0.0	4.0	8.0	12.0	16.0	20.0
4						
6						
8						
10						
12						
14						
16						

28. Which is more limiting to your burn window, Scorch or Flame Length? Explain.