

**Before each flight**, fill out one card and bring it with your rocket to the RSO

**F** Name: \_\_\_\_\_  
**L**  
**I** NAR#/TRA#: \_\_\_\_\_  
**E** Cert Flight   
**R**



**R** Name: \_\_\_\_\_ **New River Valley Rocketry**  
**O** First Flight  Kit \_\_\_\_\_ Plan  Original   
**C** Color \_\_\_\_\_ 2-Stage  3-Stage  Cluster   
**K** Length \_\_\_\_\_ Dia. \_\_\_\_\_ Wt. \_\_\_\_\_ CP \_\_\_\_\_ CG \_\_\_\_\_  
**E** **ENGINES:** # Type Delay EX? **RECOVERY Method(s):**  
\_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_   Parachute  Helicopter  
\_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_   Streamer  Glider  
**T** \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_   Tumble  Altimeter  
 Other (Explain Below)

Comments \_\_\_\_\_

Rod  1/8"  3/16"  1/4" Rail  1010  1515  Unistrut  
RSO \_\_\_\_\_ PAD# \_\_\_\_\_

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I have reviewed the safety code and present my rocket to the RSO for inspection. I have conducted a preliminary safety check and my initials verify that this rocket meets these requirements:

**ROCKET:**

- ✓ sound construction, mechanical integrity body tube, fins, nose cone
- ✓ fins well attached, should be able to lift loaded rocket up by any fin
- ✓ rod/rail guidance appropriate for rocket weight & initial thrust
- ✓ guides not too far apart, aligned, ideally 2-4 calibers spanning the CP/CG

**RECOVERY:**

- ✓ Positive attachment at all points, quick links tight
- ✓ Shock cord intact, no fraying, burns or cuts
- ✓ Streamer or parachute and lines are intact with no holes, cuts or burns
- ✓ Recovery wadding installed to protect recovery device
- ✓ Nose cone fit is secure but not too tight to prevent deployment
- ✓ Number & size of shear pins (if used) correct for ejection charge

**ALTIMETER, IF EQUIPPED**

- ✓ drogue and main settings set as appropriate for rocket and conditions
- ✓ e-match continuity verified at the pad
- ✓ can be disarmed at the pad if needed
- ✓ battery voltage is at least 9v or enough to fire recovery initiator

**MOTOR:**

- ✓ Rocket motor is certified with TRA or NAR (commercial launch only)
- ✓ motor meets 5:1 T/W minimum or 35 f/s at end of rod/rail
- ✓ positive motor retention in place
- ✓ motor delay is correct for mass and conditions

Fliers Initials \_\_\_\_\_

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