

**Sampling and Testing of M28 Propellant Grains
Downloaded from M67 Rocket Motor Assemblies Final
Report - Section 1 - Umatilla Chemical Depot; Section 2 -
Pine Bluff Chemical Activity (Paperback)**

**Sampling and Testing of M28 Propellant Grains
Downloaded from M67 Rocket Motor Assemblies**

Section 1 – Umatilla Chemical Depot

Section 2 – Pine Bluff Chemical Activity

FINAL REPORT

Larry Sotsky
Bishara Elmasri
Theodore Dolch
Henry Grau
Nathan Zink

U.S. Army Armament Research, Development and
Engineering Center

Rose Pesce-Rodriguez

U.S. Army Research Laboratory

16 February 2006

Filesize: 5.52 MB

Reviews

This publication is very gripping and interesting. We have go through and so i am confident that i am going to planning to read through yet again again in the foreseeable future. You are going to like how the blogger write this ebook.

(Dr. Thaddeus Turner PhD)

**SAMPLING AND TESTING OF M28 PROPELLANT GRAINS
DOWNLOADED FROM M67 ROCKET MOTOR ASSEMBLIES FINAL
REPORT - SECTION 1 - UMATILLA CHEMICAL DEPOT; SECTION 2 - PINE
BLUFF CHEMICAL ACTIVITY (PAPERBACK)**

DOWNLOAD



Createspace Independent Publishing Platform, United States, 2013. Paperback. Book Condition: New. 279 x 216 mm. Language: English . Brand New Book ***** Print on Demand *****.The Umatilla Chemical Agent Disposal Facility (UMCDF), Umatilla, Oregon has had fires in the Explosive Containment Rooms (ECRs) during the shearing operation of GB M-55 rockets. Additionally, the Pine Bluff Chemical Agent Disposal Facility (PBCDF, Pine Bluff, Arkansas) has also had fires in their ECRs (Table 1). These M55 rockets are small field units designed and built in the early 1960 s. The warheads were filled with the chemical agent Sarin (GB). These rockets have been stored awaiting destruction as outlined in the Chemical Weapons Convention, signed in 1993 and ratified in 1997. The Chemical Materials Agency (CMA) formed an ECR Rocket Fire Working Group to better understand what was causing the fires. The group consisted of several organizations and subject matter experts to assist the United States Army during the investigation. At the request of the CMA, (Edgewood, MD), ARDEC (Picatinny Arsenal, NJ) was tasked to perform compositional analyses, compatibility, and sensitivity (friction, impact and electrostatic discharge) testing to determine if the M28 propellant is a possible root cause of the fires experienced during demilitarization operations at UMCDF and PBCDF. CMA developed a plan to separate the warhead section from the rocket motor section on nine rockets in storage at UMCD and nine rockets at PBCA. The rocket motor sections were sent to Picatinny Arsenal where they were further disassembled, inspected, and sampled in a controlled manner. The rocket propellant was examined for migration of nitroglycerine, loss of stabilizer and other signs of degradation and increased sensitivity.

-  [Read Sampling and Testing of M28 Propellant Grains Downloaded from M67 Rocket Motor Assemblies Final Report - Section 1 - Umatilla Chemical Depot; Section 2 - Pine Bluff Chemical Activity \(Paperback\) Online](#)
-  [Download PDF Sampling and Testing of M28 Propellant Grains Downloaded from M67 Rocket Motor Assemblies Final Report - Section 1 - Umatilla Chemical Depot; Section 2 - Pine Bluff Chemical Activity \(Paperback\)](#)

See Also



Do Monsters Wear Undies Coloring Book: A Rhyming Children s Coloring Book (Paperback)

Createspace Independent Publishing Platform, United States, 2015. Paperback. Book Condition: New. Mark Smith (illustrator). 279 x 216 mm. Language: English . Brand New Book ***** Print on Demand *****.A #1 Best Selling Children s Book...

[Save PDF »](#)



From Out the Vasty Deep (Paperback)

Createspace Independent Publishing Platform, United States, 2015. Paperback. Book Condition: New. 279 x 216 mm. Language: English . Brand New Book ***** Print on Demand *****.Love, ghosts, mystery and a sense of impending horror are...

[Save PDF »](#)



The Yellow Wallpaper (Paperback)

Createspace Independent Publishing Platform, United States, 2015. Paperback. Book Condition: New. 279 x 216 mm. Language: English . Brand New Book ***** Print on Demand *****.A journal of the descent into madness of a woman...

[Save PDF »](#)



Twitter Marketing Workbook: How to Market Your Business on Twitter (Paperback)

Createspace Independent Publishing Platform, United States, 2016. Paperback. Book Condition: New. Workbook. 279 x 216 mm. Language: English . Brand New Book ***** Print on Demand *****.Twitter Marketing Workbook 2016 Learn how to market your...

[Save PDF »](#)



Victory (Paperback)

Createspace Independent Publishing Platform, United States, 2015. Paperback. Book Condition: New. 279 x 216 mm. Language: English . Brand New Book ***** Print on Demand *****.It seemed Earth was a rich and undefended planet in...

[Save PDF »](#)