

FACT SHEET

Former Prescott Sportsman's Club Shooting Range Prescott National Forest



US Department of
Agriculture

Forest Service

July 2016

ENGINEERING EVALUATION AND COST ANALYSIS (EE/CA)

INTRODUCTION

The USDA Forest Service conducted a removal site investigation (RSI) and prepared a risk assessment and EE/CA for the former Prescott Sportsman's Club (PSC) Shooting Range located northwest of the City of Prescott. The purpose of the RSI is to identify the extent of lead released to range soils and drainage sediment. The purpose of the risk assessment is to identify potential risks from lead associated with the range to adjacent residences, site visitors, and the environment. The EE/CA evaluated the extent of contamination associated with past range operations, and evaluated potential alternatives to decrease risks to human health and the environment.

SITE HISTORY and CURRENT CONDITIONS

The former PSC Shooting Range is located in the Prescott National Forest northwest of Prescott, Arizona about 1/3 mile northeast of Iron Springs and North Granite Basin Roads.



Firing Line at PSC Shooting Range

The PSC Shooting Range began operating in 1957 under a special use permit on Forest Service land. The permit expired in December 2014. The Site is comprised of firing and target lines, a 50 yard pistol range, 100 yard small caliber range, 200 yard large caliber range, and overall range backstop.



Shooting Range and Adjacent Homes

SITE INVESTIGATION

Current sampling activities included collection of soil samples from trenches cut into range berms and range floor and sediment samples from sediment collection basins and drainage channels.



Sampling Trenches in 50 yard Berm

SITE EVALUATION

Field and laboratory results showed that soil from all of the berms and backstop has levels of lead greater than Arizona Residential Soil Remediation Levels. The risk to public health is moderate since there are residences next to the range and high for birds and small burrowing animals. Stormwater runoff containing lead has been controlled by sediment collection basins. Groundwater in deep aquifers would not be impacted by lead due to confining layers. Drinking water for adjacent residences is provided by the City of Prescott.



Sediment Collection Basin

REMOVAL ACTION ALTERNATIVES

Several removal action alternatives (cleanup plans) were evaluated to reduce risk to adjacent residents and site visitors and to the environment. Alternatives evaluated include:

- Excavation of soil and sediment containing lead, on-site treatment, and off-site disposal.
- Excavation of soil and sediment containing lead, and off-site treatment and disposal.

RECOMMENDED ALTERNATIVE

The recommended alternative in the EE/CA is to excavate soil and sediment containing lead, stabilization of lead by mixing Portland cement into soil, and hauling all soil off-site to a landfill in Arizona. Generation of dust would be monitored at the property line. Water would be used to control dust during excavation and mixing.

The remaining berms and range features would be removed, and the land contoured to improve the view from adjacent residences. Sediment collection basins would be used to control runoff to drainages. The water well would be closed. Existing fencing would be repaired and extended to control cattle access during vegetation restoration.

THE NEXT STEP

The Forest Service is requesting public comments on the removal action cleanup plans and the recommended cleanup plan as described in the EE/CA. The EE/CA is available at:

Ms. Sarah Tomskey, District Ranger
Prescott National Forest
344 S. Cortez Street
Prescott, Arizona 86303
(928) 443-8000
Monday-Friday, 8:00 a.m. – 4:30 p.m.

Anne Fischer, On-Scene Coordinator
Tonto National Forest
2324 E. McDowell Road
Phoenix, Arizona 85006
(602) 225-5389
Monday-Friday, 8:00 a.m. – 4:30 p.m.

The EE/CA is also available online on the Prescott National Forest's webpage.
<http://www.fs.usda.gov/prescott/>



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