



# FACT SHEET

## 90TH SPACE WING

90th Space Wing Office of Public Affairs • 5305 Randall Avenue • F. E. Warren AFB WY 82005-2266 • Phone (307) 773-3381

### Invitation to Comment on the Proposed Plan for Spill Sites 1, 3, 5, 6, and the Open Burn/Open Detonation Area at F. E. Warren Air Force Base, Wyoming

You have the opportunity to comment on the Proposed Plan for the final remedy for Spill Sites 1, 3, 5, and 6 and the Open Burn/Open Detonation Area (SS1, 3, 5, 6, & OB/OD Area). These sites are located within the Zone E investigative study area, and as a group make up Operable Unit 6 at F. E. Warren Air Force Base, Wyoming. The United States Air Force (USAF), United States Environmental Protection Agency (EPA), and Wyoming Department of Environmental Quality (WDEQ) want to hear your views about the plans for these sites. A public meeting will be held August 24, 2004 at the Little America Hotel and Resort in Cheyenne, Wyoming.

After completion of site investigations and careful study of the results, the Air Force and EPA have determined that there are no significant risks to human health and the environment at Spill Sites 1, 3, 5, and 6, and the OB/OD Area. Therefore, no cleanup is needed for the protection of human health and the environment at these sites. WDEQ concurs with this determination.

You may make comments at the public meeting. You also have until September 8, 2004 to supply written comments on the Proposed Plan or other information in the Information Repository. At the end of the comment period, the USAF, EPA, and WDEQ will review the suggestions and make a final decision about these locations. Your input on the Proposed Plan is an important part of the decision-making process. We want to hear from you and will give serious attention to what you have to say.

#### Site History and Risks

Initial investigations determined that the soils at Spill Sites 1, 3, 5, and 6 presented no significant risks to human health or the environment. A No Remedial Action, Record of Decision (ROD) for exposure to contaminants in soil at these sites was formally signed on September 12, 1995. Investigation of the groundwater beneath these sites has now been completed as well as investigations of the OB/OD Area. The following are summaries of the results of these investigations.

**Spill Site 1: The Base gasoline service station.** During the Remedial Investigation (RI) at Spill Site 1, petroleum hydrocarbons and associated contamination were detected. It is believed that these contaminants were a result of leaks from previous tanks or from overfilling occurrences. These contaminants will be further investigated and, if required, cleaned up under the WDEQ Leaking Above and Underground Storage Tank Program. Chlorinated volatile organic compounds (VOCs) were also detected at concentrations below maximum contamination levels (MCLs). A human health risk assessment determined that the low levels of chlorinated VOCs in the groundwater present no significant risks to human health or the environment. Carbon tetrachloride was also detected at low concentrations in groundwater west and south of Spill Site 1. It is believed that this contaminant is not associated with Spill Site 1 and will be further investigated under a separate Supplemental Site Investigation to assess its source and extent.

**Spill Site 3: A former disposal site for used battery acid.** This site is located under a paved parking lot on the west side of Building 338. The groundwater investigation conducted in 1999 detected VOCs, semi-volatile organic compounds (SVOCs), and metals at concentrations below applicable groundwater standards, and determined that these low levels of contaminants present no significant risks to human health or the environment.

**Spill Site 5: A former waste accumulation area.** This area was used for temporary storage of wastes generated from Base shops. Organic compounds were detected in groundwater in low concentrations during 2001 and 2002. Soil sampling conducted in 2003 verified

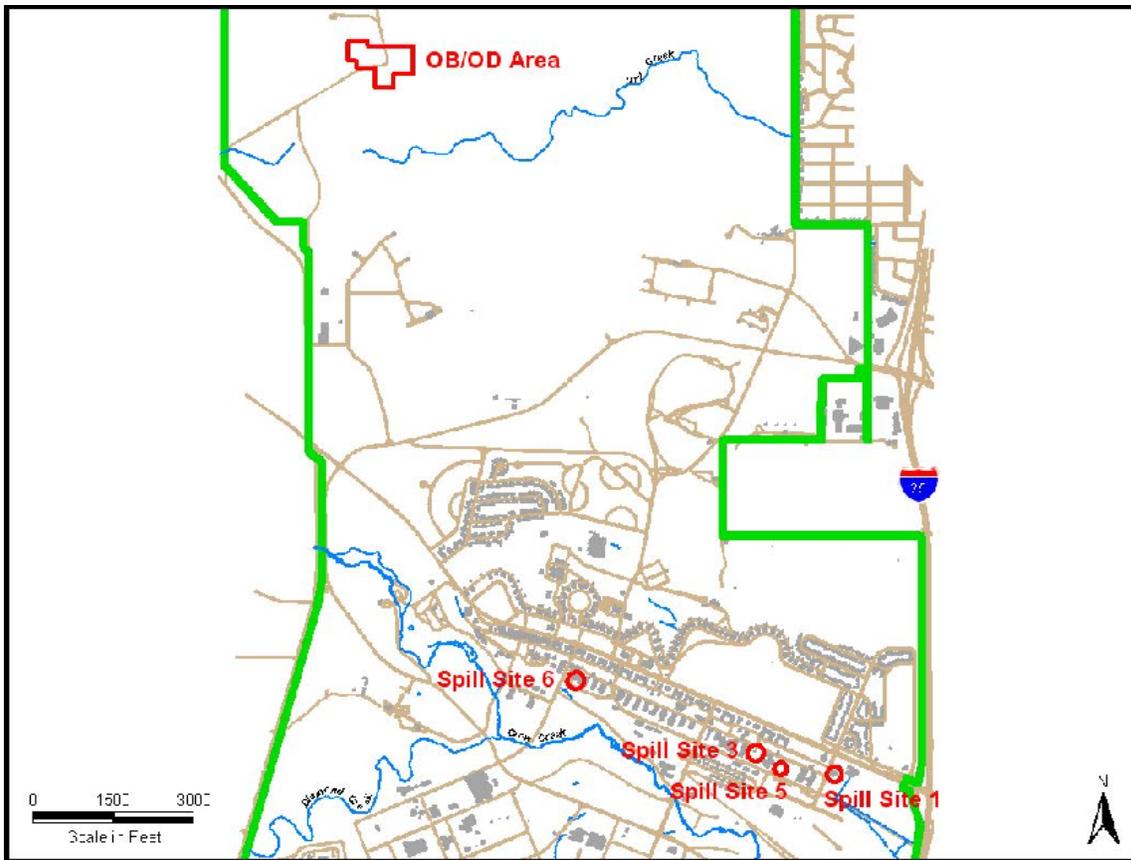
that soils are not contributing to the groundwater contamination. No significant risks to human health and the environment were identified at Spill Site 5.

**Spill Site 6: A waste accumulation point.** This site consisted of 55-gallon drums for temporary storage of used oil and antifreeze. No organic contaminants were observed at concentrations above MCLs or WDEQ groundwater standards during the RI. Concentrations of inorganic compounds were comparable to the range of background concentrations detected elsewhere on Base, and are not attributed to releases from installation activities. No significant risks to human health and the environment were identified for groundwater contamination at Spill Site 6.

**The Open Burn/Open Detonation (OB/OD) Area: An ordnance disposal and training site.** This area was used to dispose of excess ordnance and conduct training for personnel handling explosives. During the RI, soil contaminants detected at low concentrations from surface and subsurface soils included VOCs, SVOCs, total petroleum hydrocarbons-diesel range organics (TPH-DRO), total petroleum hydrocarbons – gasoline range organics (TPH-GRO), and dioxins/furans. An isolated zone of visibly contaminated soil was further investigated in 2003. This additional investigation resulted in the removal of this small area of contaminated soil. A human health risk assessment was accomplished and determined that the low levels of contaminants remaining at the OB/OD Area present no significant risks to human health or the environment.

#### Your Comments

No significant risks to human health or the environment were identified at the OB/OD Area or Spill Sites 1, 3, 5, and 6. Therefore, the USAF, EPA, and WDEQ believe that **no action** is needed for the protection of human health and the environment at these sites. However, before making a final decision, we want to hear what you think. We encourage you to find out more about this action and make your views and concerns known. Once the final decision is made, it will be formalized in a Record of Decision. That document will include a summary of comments received along with how these comments changed the decision that was reached.



**Tell Us What You Think**

**Location of Information Repository**



Laramie County Library  
 2800 Central Avenue  
 Cheyenne, WY 82001  
 Phone: (307) 634-3561  
 Hours: Monday – Thursday 10 a.m. to 9 p.m.  
 Friday – Saturday 10 a.m. to 6 p.m.

**The comment period runs from:**

**August 9, 2004  
 through  
 September 8, 2004**

**Submit Written Comments**



Mr. John Wright  
 Remedial Program Manager  
 90 SW/EM  
 5305 Randall Avenue  
 F. E. Warren AFB WY 82005-2266  
 Phone: (307) 773-4147  
[john.wright@warren.af.mil](mailto:john.wright@warren.af.mil)

Mr. Rob Stites (8EPR-F)  
 Environmental Protection Agency  
 999 18th Street, Ste 300  
 Denver CO 80202  
 (800) 227-8917 ext. 6658  
[stites.rob@epa.gov](mailto:stites.rob@epa.gov)

Ms. Jane Cramer  
 WDEQ RPM  
 Herschler Building, 4 West  
 122 West 25th Street  
 Cheyenne WY 82002  
 (307) 777-7092  
[jcrame@state.wy.us](mailto:jcrame@state.wy.us)

**Attend the Public Meeting**



Public Meeting:

You are invited to a meeting to hear about the Proposed Plan for Spill Sites 1, 3, 5, and 6, and the Open Burn/Open Detonation Area. At the meeting, you will be able to state your views about the sites. The meeting will be held:

**August 24, 2004  
 7:00 p.m.  
 at  
 Little America Hotel and Resort  
 Regency Room  
 2800 West Lincolnway  
 Cheyenne WY 82001**

90 SW/EM  
 5305 RANDALL AVENUE  
 F. E. WARREN AFB, WY 82005-2266

**”OFFICIAL BUSINESS”**

PRSR STD  
 U.S. POSTAGE  
 PAID  
 CHEYENNE, WY  
 PERMIT NO. 191