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TO: Toni Davidson

FROM: Geoff Tallent

CC: Workgroup Members
Melanie Preusser, Administrative Secretary

SUBJECT: 1100 Area Workgroup Site Screening

As you know, the 1100 Area Workgroup met to review the 1100 Area cleanup sites and determine which sites did and did not warrant further consideration in the 1100 Area Pre-Assessment Screen. Based on the summary information in the Draft 2 PAS, our field notes, and site photos, we came to the conclusions below.

Sites dismissed from further consideration

These sites were dismissed based on the Department of Interior Damage Assessment Procedures' five criteria for determining whether to proceed with a damage assessment. We were unable to answer "yes" to the following three questions at the corresponding sites. Sites noted with an "*" require follow-up data from EPA and USDOE.

A release of a hazardous substance has occurred. Contamination was suspected at the following sites based on anecdotal information or experience with similar sites. In the course of investigation, EPA did not find evidence of a release of hazardous substances and concluded that no remediation was warranted. Similarly, the workgroup concluded that there are no grounds for investigating natural resource injuries at following sites:

- 6652-C SSL Active Septic System
- Radar Berm and Pads
- H-52-C Surface Gas Tank Area
- 6652-C Abandoned USTs
- Pumphouse Disposal Slope
- Pumphouse Latrine 1500 Gallon Fuel Oil Storage Tank
- Pumphouse Latrine 275 Gallon Fuel Oil Storage Tank
- ALE Field Storage Building
- Mound Site Northwest of Building 6652-G
- 6652-I ALE Headquarters Septic System
- Abandoned Underground Storage Tanks*

A release of a hazardous substance has occurred - Cont.

- Missile Bunker Landfill*
- Missile Refueling Area Berm
- Acid Neutralization Pit
- Missile Maintenance and Assembly Area Acid Storage Shed
- JP-4 Fuel Pad
- Missile Bunker Drainfield
- H-52-L Surface Gas Tank Storage Area
- H-52-L NIKE Base Landfill
- Gravel Driveway Area

Natural resources . . . have been adversely affected by the release. The following sites have baseline (pre-release) conditions where natural resources are not present or provide no services. These sites are mostly inside or under buildings or parking lots.

- 1100-4 The Antifreeze Tank
- 1262 Solvent Tanks
- Elevator Doors*
- Missile Bunker Sump*

Data sufficient to pursue an assessment are readily available or likely to be obtained at reasonable cost. Many of the sites may have the potential for injury. For example, there may have been injuries before the remediation took place. Also, EPA action levels may not have fully prevented ongoing injury to sensitive species. Nevertheless, at the following sites, the workgroup concluded that the potential for injury was very small and could not be established at reasonable cost. This is essentially a "de minimus" threshold the workgroup applied to sites which were small and where baseline conditions had already disturbed the natural resources, the contaminants did not pose a great threat to natural resources, there were no significant pathways to natural resources of concern, and/or the remediation addressed much of the concern.

- 1100-1 The Battery Acid Pit
- 1100-2 The Paint and Solvent Pit
- 1100-3 The Antifreeze Degreaser Pit
- 1100-6 The discolored Soil Site
- The Ephemeral Pool*
- The Tar Flow Area*
- The Stained Sands Area
- 1240 French Drain
- 1240 Suspect Spill Area
- 6652-C SSL Inactive Septic System*
- Control Center Disposal Pits
- Missile Assembly and Test Building Inactive Septic System

Data sufficient to pursue an assessment are readily available or likely to be obtained at reasonable cost - Cont.

- Missile Bunker Discharge Ditch*
- Flammable Block Storage Shed
- Missile Maintenance and Assembly Area Paint Shed
- Missile Maintenance and Assembly Area Dry Well Drum*

As a special note, the 1100-EM-1 Groundwater was also dismissed by the workgroup under this criterion. The workgroup considered that the only lost use for the groundwater is drinking, that the City of Richland water is readily available nearby, that the contamination will break down, and that it is not likely to reach the City well fields or the Columbia River. Based on these factors, the workgroup concluded that the cost of determining the lost-use value of the groundwater was likely less than the value itself.

Sites Requiring More Information & Investigation

After dismissing the sites above, the workgroup was unable to answer "no" to the five questions at two sites:

- The Horn Rapids Landfill, and
- The Horseshoe Landfill.

These sites are large and contained high concentrations of contaminants of concern to wildlife. They also occur adjacent to areas of moderate to high quality habitat. With follow-up information from EPA and USDOE on the pre- and post-remediation concentrations and aerial extent of contamination, and any biological sampling, the workgroup will better be able to evaluate these sites.