Poster series for Hanford NRDA public meeting

HANFORD: Natural Resource Damage Assessment and Restoration

WHAT IS NRDA? When hazardous sub-

stances are released into the environment, fish, wildlife, and other natural resources can be injured. Federal, State, and Tribal governments act as "trustees" for these resources. Trustees are responsible for identifying and quantifying injury associated with hazardous substances and for restoring the affected resources. The process for assessing injuries and planning restoration is called a Natural Resource Damage Assessment (NRDA). NRDA is guided by federal regulations. which allow Trustees to work collaboratively with those responsible for the



hazardous release.

HANFORD BACKGROUND

read release of over 400 radiological and other contaminants into the terrestrial and environments. Clean-up of the site began in the 1990s and will continue for many s. Data indicate that natural resources have been initired, and that these injuries wi es. Data indicate that natural reso le at least until final site cleanup. As clean-up efforts continue, the Hanford Natural Resource Trustee Council is conducting a natural resource damage assessment (NRDA). The goal of NRDA is to restore, replace, or acquir the one induct of partner goargene inside a provide the partner of the partner of the transport.

CURRENT ASSESSMENT PHASE

Currently, the Handon XHOA is in the injury assessment phase. The Trustees have selected studies that will identify and quantify injuries at Hanford, and these studies are desorbled in the Draft liqury Assessment Plan. Afther has assessment is complete, the Trustees will have a better understanding of the type and quantify of injuries that have occurred over time and then will be able to determine the type and quantify of injuries.

RESTORATION

Generally, restoration means restoring natural resources to the condition that would ex had the releases not occurred. An important means of accomplishing this goal is throug identification and implementation of appropriate primary and compensatory natural reso estoration projects.

 Primary restoration includes actions to restore injured resources to b ration includes actions to compensate for interim losses o

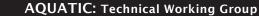
RESTORATION PLANNING TO DATE

The Trustees are developing a plan to guide restoration of Hanford's natural re have been injured as a result of contaminant releases. This restoration plan wi information on early restoration projects, ecological goals, valuation of potenti projects, and long term monitoring. The restoration plan will be revised as info

FARLY RESTORATION

sing existing information and restoration planning performed lentify early restoration projects that can be implemented pric amage assessment. Early restoration can be part of primary ensatory restoration. The Hanford Trustees believe that early Thet goals or competence of the second secon future projects.

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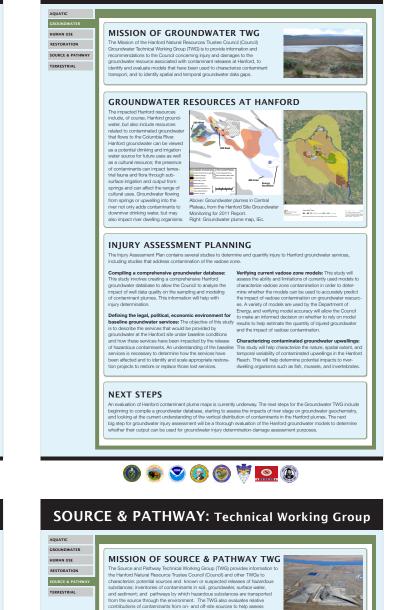


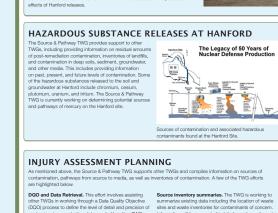


NEXT STEPS

e Restoration TWG will continue to identify, assist, and oversee restoration activities that have been approved by the uncil as part of the Handrot NRDA. They will also play a major role in writing a final Handrot NRDA Restantion Plan for uncil and public review. Additionally, the Restoration TWG will evaluate and vork with the Department of Energy to d ods for valuing restoration and establishing protocols to ensure the selected res

GROUNDWATER: Technical Working Group





ontaminant concentration data needed by other TWGs Information will be used in part to assess the nature and es trieve the information and compile it of injury to geologic resources at Hanford n the requested format, including reviewing, validating, and formatting the data per the criteria of the end user, and to the extent possible summarizing data gaps. Contaminants of cor specific locations. In

existing Hanford databases, as well as on Remed

Data needs for other TWGs. A critical function of the Source & Pathway TWG is to provide information to other VMGs regarding contex, contaminent steried data, and mas balance studies, as appropriate. In compling information for location-appeint information about contaminant source of location-appeint information about contaminant source will also be summarized about the chemistry for each will also be summarized about the chemistry for each source as the contaminant source and the contaminant source the chemistry for each will also be summarized about the chemistry for each source as the contaminant source and the chemistry for each will also be summarized about the chemistry for each source as the contaminant source the chemistry for each source and the chemistry for each the chemistry for each will also be summarized about the chemistry for each the chemistry r location-specific information about contaminant source cation, inventory, waste form, mobility, etc. that can be sed to evaluate exposure and injury (e.g. to biota). emical forms in the en

NEXT STEPS

ource & Pathway TWG will work with the Council and other TWGs to prioritize and imp Hanford injury assessment. This includes analysis of injury to geologic resources and r art information needs of other TWGs.

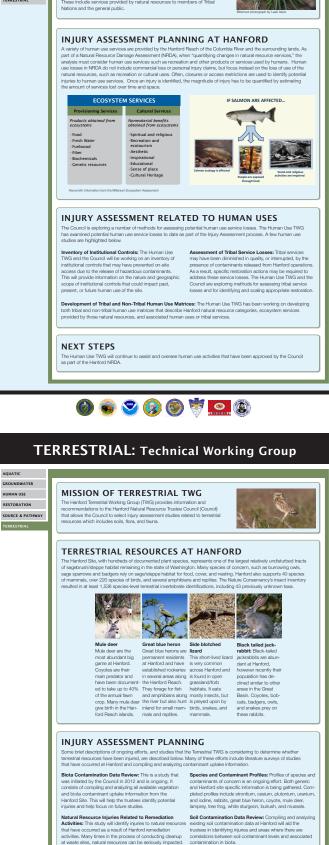
HUMAN USE: Technical Working Group



AQUATIC ROUNDWATER

MISSION OF HUMAN USE TWG





NEXT STEPS

he Terrestrial TWG will continue to identify, assist and oversee those studies that have been approved by the C art of the Hanford NRDA. The Terrestrial TWG will also play a major role in compiling and analyzing existing dat