

TRI-PARTY AGREEMENT

Change Notice Number
TPA-CN- 0779

TPA CHANGE NOTICE FORM

Date:
March 27, 2017

Document Number, Title, and Revision:
DOE/RL-2009-80, Investigation Derived Waste Purgewater Management Work Plan, Rev 0.

Date Document Last Issued:
September 2009

Approved Change Notices Against this Document: TPA-CN-325, TPA-CN-442, TPA-CN-466, TPA-CN-528, TPA-CN-552, TPA-CN-564, TPA-CN-574, TPA-CN-670

Originator: Bill Barrett

Phone: 373-3985

Description of Change:

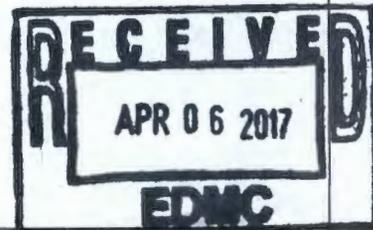
Allow for purgewater managed at the Modular Storage Units to be decanted and shipped to the Effluent Treatment Facility for treatment and disposal.

M.W. Cline and E. Laija agree that the proposed change modifies an approved workplan/document and will be processed in accordance with the Tri-Party Agreement Action Plan, Section 9.0, *Documentation and Records*, and not Chapter 12.0, *Changes to the Agreement*.

The following text to be added to page 9, in new section 4.2.7, Removal of Excess Purgewater:

"During particularly wet seasons, or increased well drilling activity, purgewater levels within the Modular Storage Units may rise faster than the normal rate of evaporation. In these instances, in order to maintain the required freeboard of greater than 24.4 cm (9.6 inches), purgewater may need to be decanted and shipped to the Effluent Treatment Facility."

Text to be added is indicated in double underline.



Note: Include affected page number(s) 9

Justification and Impacts of Change:

There may be conditions during the operation of the Modular Storage Units such that the purgewater levels would be higher than the freeboard requirement. The work plan currently allows for decanting to another unit at approximately 12 inches. However, during unseasonably wet weather, or otherwise increased drilling activities generating more purgewater than is typical, purgewater may be sent to the Effluent Treatment Facility for treatment and disposal to maintain the freeboard height greater than 24.4 cm (9.6 inches). This would allow for the levels within the MSUs to be maintained at a safe limit without risk of over-topping and spilling.

Approvals:

M.W. Cline
DOE Project Manager

3/27/2017
Date

Approved Disapproved

E. Laija
EPA Project Manager

3/28/2017
Date

Approved Disapproved

N/A
Ecology Project Manager

Date

Approved Disapproved

If a leak is found in the primary liner and/or repairs are required, a pump will be available to transfer purgewater contents from one Modular Storage Unit to another. Piping and hoses will be capable of extending from one Modular Storage Unit to any one of the other units.

4.2.5 Tank Truck Transfers

Purgewater is transferred, by gravity through a drain hose, from the tanker truck to the Modular Storage Units. A splash pan will be used to support purgewater discharges into each Modular Storage Unit. After transfer of purgewater, tanker trucks are either directly returned to be used in support of well activities or they are parked in established areas. Tanker trucks that are not directly returned to be used in support of well activities and that contain quantities of dangerous or mixed waste that exceed those identified in WAC 173-303-160 will be parked in established areas that provide containment capable of collecting and holding spills and leaks. Containment will be provided for such tanker trucks with sufficient capacity to collect and hold all liquid remaining within the tank. A plat showing the location of the purgewater truck parking area is attached.

4.2.6 Inter-unit Transfers

Inter-unit transfers between Modular Storage Units may be performed if leaks are detected in the primary liner, or if imminent failure of a unit is detected. An inter-unit transfer will be performed by connecting piping to a system that transfers the contents from the leaking unit to another one unit, as necessary. Inter-unit transfers may also occur for the purpose of removing contaminant residuals from purgewater (e.g. by filter skid).

4.2.7 Removal of Excess Purgewater

During particularly wet seasons, or increased well drilling activity, purgewater levels within the Modular Storage Units may rise faster than the normal rate of evaporation. In these instances, in order to maintain the required freeboard of greater than 24.4 cm (9.6 inches), purgewater may need to be decanted and shipped to the Effluent Treatment Facility.

5 Safety and Health Management and Controls

All emergency planning and preparedness activities for this project will be consistent with planning and preparedness actions taken by other Hanford Site contractors and similar projects. Activities will be in a manner that ensures the health and safety of workers and the public and the protection of the environment in the event of an abnormal incident during removal action activities.

5.1 Emergency Management

The contractor's Emergency Management Program (including preparedness, planning, and response) contains the administrative responsibilities for compliance with DOE/RL-94-02, *Hanford Emergency Response Plan*, and all applicable DOE Orders. The Emergency Management Program establishes a coordinated emergency response organization capable of planning for, responding to, and recovering from industrial, security, and hazardous material incidents. Emergency action plans for contractor-managed hazardous facilities identify the capabilities necessary to respond to emergency conditions, provide guidance and instruction for initiating emergency response actions, and serve as a basis for training personnel in emergency actions for each facility.

The emergency response actions within the emergency action plan are provided for recognizing incidents and/or abnormal conditions, initiating protective actions, and making the proper notifications. Emergency response for this project will include Nuclear Regulatory Commission notification for reportable quantity releases and On-Scene Coordinator notification for other emergency situations.