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	MEMORANDUM FOR:	Dan Martin,	Section Leader	WFord & rf	JOICEVES
		URPS		MFliegel	
				PDR	
	FROM:	Myron Flied	gel, Section Lead	er MYoung	
		WMGT		KJackson	
				in denson	
	SUBJECT:	PROGRESS OF	WMGT GENERIC UM	TRAP AND UR PROJECTS	
	This letter summarizes the status of three generic projects and their importance to the UR program, so they can be continued by the newly expanded Uranium Recovery Projects Section. In addition to generic projects such as Title II site Alternate Concentration Case studies, the DOE Water Protection Plan, and various DOE guidance documents, there are some projects of generic importance that are in various stages of development which have never entered into the formal tracking system. A description of these projects, their importance and status follows.				
	stability and on by DOE contractor effects of tailin proposed plan of significant conce identify how reclaccomplish this, Grand Junction Drageneric and site in formulating the be kept inform should it be requared. The second projectovers and liners or liners having encountered at the was held on September laborator parameters of as consensus on how it was agreed that describing the resident and the second projectovers and liners or liners having encountered at the was held on September laborator parameters of as consensus on how it was agreed that describing the resident in the second projector in t	contaminant tr s in several s gs salts have action was to rn and (2) if amation activi we have asked, aft Remedial A specific sense is question an ed of progress ired, we are r t deals with t , when project specified hydr e Canonsburg s mber 22, 1986, y or insitu te built covers a this issue sho t laboratory t sults of this	the effects of tailings salts on pile and cover ransport. This potential problem was identified studies of UMTRAP sites. The significance of the not been addressed by DOE or by NRC. Our (1) determine if this is a problem of it is determined to be a significant problem, ities should be conducted. In order to , in draft comments transmitted to DOE on the Action Plan, that this issue be addressed in a e. Tin Mo (geochemistry) has been instrumental nd following it through. It is recommended that s through the resolution of this issue. Further, ready to provide his assistance. the measurement of hydrologic parameters for ted ground water impacts are dependent on covers rologic characteristics. This issue was first site. A meeting between the NRC technical staff , to begin work on this issue. At question is ests are more reliable in determining hydrologic and liners. The staff has not reached a ould be resolved. Until resolution is reached, tests should continue to be used. A memo meeting, with recommendations, is in		
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preparation. Resolution of this issue has application at UMTRAP sites, Title II sites, and Low Level Waste sites.

The third project attempts to address the issue of establishing excursion criteria for ground water monitoring at licensed UMTRAP sites. At the present time DOE "Guidance For UMTRA Project Surveillance and Maintenance" (Section 4.4, page 63) requires the collection of one year of ground water monitoring data after reclamation activities are complete. This data will become the new baseline water quality data for the site. The guidance requires that ground water continue to be monitored and, if significant increases in ground water pollution are identified, a more intensive compliance ground water monitoring program be implemented. The compliance monitoring program would define the extent of contamination and be used to determine the appropriate response. However, to accomplish this, ground water quality monitoring parameters will have to be identified and excursion criteria established. At this time the NRC has not developed guidance on how to identify and set excursion criteria at UMTRAP sites. Further, personal conversations with DOE personnel and contractors indicate that they have not formulated such guidance. The first need for this will occur at the Canonsburg site in 1987.

While no guidance currently exists to address this issue in UMTRAP, other UR programs have or will have to develop similar guidance. Title II sites will set indicators using concepts of indicator parameters and Alternate Concentration Limits as defined by RCRA. Uranium in situ leach mines have also had to define excursion criteria. In the past, in situ leach criteria appear to have been set on a site by site basis with no consistency. However, some guidance for in situ leach facilities can be found in NUREG/CR-3967, "An Analysis of Excursions at Selected In Situ Uranium Mines in Wyoming and Texas" (pages 34-42). The UMTRA program may wish to reference this past experience in developing its guidance.

Should you have any questions please contact William Ford (74697).

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Myron Fliegel, Section Leader WMGT