

**ATTACHMENT B5**

**QUALITY ASSURANCE PROJECT PLAN REQUIREMENTS**

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## ATTACHMENT B5

### QUALITY ASSURANCE PROJECT PLAN REQUIREMENTS

#### 1 B5-1 Quality Assurance Project Plans

2 Prior to management, storage, or disposal of a generator/storage site's TRU mixed waste at  
3 WIPP, the Permittees shall require that each participating site develops and implements a  
4 quality assurance project plan (**QAPjP**) that addresses all the applicable requirements specified  
5 in Waste Isolation Pilot Plant waste analysis plan (**WAP**) in Permit Attachment B. The  
6 Permittees will approve QAPjPs from all generator/storage sites that intend to send TRU mixed  
7 waste to the Waste Isolation Pilot Plant. The Permittees shall ensure that these QAPjPs include  
8 the qualitative or quantitative criteria for determining whether waste characterization program  
9 activities are being satisfactorily performed. The Permittees shall also ensure that QAPjPs  
10 identify the organization(s) and position(s) responsible for their implementation. Additionally, the  
11 QAPjPs shall also reference site-specific documentation that details how each of the required  
12 elements of the characterization program will be performed.

13 The Permittees shall ensure that prior to the implementation of characterization activities at  
14 participating sites, standard operating procedures (**SOPs**) were developed for all activities  
15 which affect the quality of the waste characterization program elements specified in the WAP.  
16 For the purposes of the quality assurance program, the term SOP refers to any site-specific  
17 implementing document. Compliance with SOPs will ensure that tasks are performed in a  
18 consistent manner that results in achieving the quality required for the quality assurance  
19 program. The organization, format, content, and designation of SOPs shall be described in the  
20 QAPjPs. Site-specific SOPs related to sampling and analysis will be reviewed for consistency  
21 with the QAPjP according to the Permittees' Audit and Surveillance Program specified in Permit  
22 Attachment B6.

#### 23 B5-2 Document Review, Approval, and Control

24 The Permittees shall ensure that the preparation, issuance, and change to documents that  
25 specify quality requirements or prescribe activities affecting quality for the transuranic mixed  
26 waste characterization program elements specified in the WAP be controlled to assure that  
27 correct and current documents are used and referenced. The QAPjPs shall include a document  
28 control format consisting of a unique document identification number, current revision number,  
29 date, and page number which will be placed on the individual pages of the document. All quality  
30 documents for the waste characterization program shall be reviewed prior to approval and  
31 issuance by qualified and independent individuals. The QAPjP review shall consider the  
32 technical adequacy, completeness, and correctness of the QAPjP, and the inclusion of and  
33 compliance with the requirements established by the WAP (Permit Attachment B). The  
34 Permittees shall ensure that appropriate QAPjP approval is indicated by a signature and date  
35 page included in the front of each document.

36 At a minimum, the Permittees shall ensure that revisions to documents that implement the  
37 requirements of the WAP are denoted by including the current revision number on the document

1 title page, the revised signature page, and each page that has been revised. Only revised  
2 pages need to be reissued. Changes to documents, other than those defined as editorial  
3 changes or minor changes, shall be reviewed and approved by the same functional  
4 organizations that performed the original review and approval, unless other organizations are  
5 specifically designated in accordance with approved procedures. Editorial or minor changes  
6 may be made without the same level of review and approval as the original or otherwise  
7 changed document. The following items are considered editorial or minor changes:

- 8 ● Correcting grammar or spelling (the meaning has not changed)
- 9 ● Renumbering sections or attachments
- 10 ● Updating organizational titles
- 11 ● Changes to nonquality-affecting schedules
- 12 ● Revised or reformatted forms, providing the original intent of the form has not  
13 been altered
- 14 ● Attachments marked "Example," "Sample," or exhibits that are clearly intended to  
15 be representative only

16 A change in an organizational title accompanied by a change in the responsibilities is not  
17 considered an editorial change. Changes to the text shall be clearly indicated in the document.  
18 ~~The Permittees shall provide the QAPjP for each site and all revisions to NMED upon approval~~  
19 ~~by the Permittees.~~

20 The Permittees shall ensure that QAPjPs include a detailed description of the reporting and  
21 approval requirements for changes to approved QA documents and SOPs, including procedures  
22 for implementing changes to these documents. All members of the site project staff are  
23 responsible for reporting any obsolete or superseded information to the site project manager. All  
24 site-specific changes shall be evaluated and approved by the site project manager and the site  
25 project QA officer before implementation. The site project manager shall notify the appropriate  
26 personnel and the affected documents shall be revised as necessary. The site project manager  
27 shall also be responsible for notifying the DOE field office of the changes. The Permittees shall  
28 ensure that changes that affect performance criteria or data quality, such as sample handling  
29 and custody requirements, sampling and analytical procedures, quality assurance objectives,  
30 calibration requirements, or QC sample acceptance criteria comply with the WAP (Permit  
31 Attachment B) and shall not be made without prior approval of the Permittees. **Prior to shipment**  
32 **of TRU mixed waste, the Permittees shall provide the approved QAPjP for each site, and all**  
33 **approved revisions, to the New Mexico Environment Department.**