# **TEMPORARY CHANGE REQUEST**

# TCR NO.<u>TCR-QA-002,R9-001</u>

(e.g., TCR-ENG-021,R0-001)

The Temporary Change Request (TCR) Form is to be used to process <u>urgent or minor changes</u> for PPPL Policies, Organization/Mission Statements and Procedures. The TCR should be used when changes are: 1) urgent, and can not wait the 2-4 week period for Department Head review/comment, or 2) minor, and do not warrant Department Head review.

#### Person Requesting Change: Andy Morrison

Phone Ext: 2841

# Department Name: <u>Best Practices</u>

#### Document Number: <u>QA-002</u>

Revision No.: 9

# Document Title: <u>PPPL Audit Program</u>

#### **Reason for change:**

Update procedure to reflect that audit exit meetings will be held before obtaining and negotiating corrective action commitments; avoiding delays in issuing the reports and concluding audit activities.

Update to reflect change in organization names and titles.

**Change description:** (Summarize and attach changed pages, with changes clearly indicated) Moved the process steps for holding an audit closing/exit meeting before the steps for committing to corrective actions.

Updated organization names and titles in several places changing from Quality Assurance to Best Practices and Quality Assurance; changing from ESH&S to ES&H.

<b>1.</b> Does this TCR significantly alter the intent or scope of the document?	YES:	NO:X
2. Does this TCR significantly impact ES&H?	YES:	NO:X

If 1 or 2 is **YES**, Explain why the changes should not be routed for Department Head review:

Jim Graham signature on file	8/26/16		
Department/Division Head Approval	Date		
John DeLooper signature on file	9/1/16		
Head, Best Practices and Outreach/designee	Date		
Release/Effective date of this TCR: <u>9/1/16</u>			
Incorporate this TCR into next revision of this document?	VES:X NO:		

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Subject:		Effective Date:		Initiated by:
PPPL Audit Program		May 13, 2015		
			Head, Best Pr	ractices and Quality Assurance
		Supersedes:	Approved:	
		QA-002 Rev 8		
		Dated 03/28/14		
		and TCKS 1-4		Director
				TCR-QA-002,R9-001
Management	Management System (Primary): 12.00 Assurances and Improvement		nent	
Management	System Owner: H	Head, Best Practices and Outreach Department		
Management	Process: 1	12.31 QA Audits of quality management systems		

Head, Best Practices and Quality Assurance Head, Best Practices and Quality Assurance TCR-QA-002,R9-001

#### **Applicability**

**Process Owner:** 

Subject Matter Expert (SME):

This procedure is applicable to the entire Laboratory and its activities and to outside organizations or suppliers performing work for PPPL.

#### **Introduction**

The Department of Energy requirements for quality assurance at PPPL is defined in DOE O 414.1D. This document specifies two types of assessments: management and independent assessments. Management assessments are performed by line personnel with the goal of continuous improvement. Guidance on performing these assessments is provided in QA-025, Management Assessments. Independent assessments known as audits, are the responsibility of Quality Assurance. Audits are typically comprehensive evaluations of systems or programs, such as the PPPL Environmental Monitoring Plan or the PPPL Configuration Control Program.

The requirement for independent assessments is from DOE O 414.1D. This criterion specifies the following:

"(1) Plan and conduct independent assessments to measure item and service quality, to measure the adequacy of work performance, and to promote improvement.

(2) Establish sufficient authority and freedom from line management for the group performing independent assessments.

(3) Ensure persons who perform independent assessments are technically qualified and knowledgeable in the areas to be assessed."

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The frequency of an audit of a particular area is sometimes specified by regulation, DOE Orders, or internal documents; an example is the audit of the occupational radiological protection program, which is required by 10 CFR 835 to be performed every three years. When not specified, it is determined by a variety of factors including area performance, changes occurring in the area, availability of staff to perform the audit, etc.

Audits and their associated findings are tracked by QA.

Note that the following reports will be assigned audit numbers and tracked as indicated in this procedure as if they were audits:

- Occurrence Reporting and Processing System (ORPS) reports reference GEN-006
- Noncompliance Tracking System (NTS) reports reference GEN-006
- Root Because Analyses (RCA) reference QA-019
- Lessons Learned reference P-083
- Corrective Action Requests reference QA-012

# Definitions

Audit Area	An organizational unit of the Laboratory or outside organization to be included in the audit. Audit areas may be Divisions, Departments, Projects, PPPL as-a-whole, specific shops, suppliers, etc.
Compliance- based Audit	Audits which primarily focus on verifying adherence to DOE requirements, regulatory requirements, policies, plans, procedures, milestones, or other predetermined requirements. These audits may identify performance issues but generally only if they result from compliance issues.
Corrective Action	Measures taken to rectify problems or conditions identified in an audit and, where necessary, to preclude repetition.
External Audit	An audit of a PPPL Department, Division, Project, or Functional Area by an outside organization, typically DOE, a DOE contractor, or a state of NJ oversight organization.
Finding	The documented result of an audit or surveillance which identifies a problem in sufficient detail to enable corrective action to be taken by the organization responsible for the area included in the audit or surveillance. The finding may document non-compliances to system requirements or performance issues that have or could have the potential for significant impact on the product, process, or system from either a quality or an environmental, safety, and health perspective.

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Internal Audit	An audit performed by direct control of the La	TCR- PPPL personnel of programs boratory and within its organi	QA-002,R9-001 that are under the zational structure.
Observation	Either an anomaly that cause future problems. corrective actions or tra	does not warrant a finding or Observations do not require f acking by Quality Assurance.	a practice that could ormally specified
Observer	Individuals who are no the performance of the is implemented are def	at part of the audit team but are audit. The rules under which ined in Attachment 4.	e allowed to observe the observer position
Performance- based Audits	Audits that primarily for determine how well the and unspecified). Thes secondary concern, esp	ocus on the product, process, a ey meet the customer's and PP e audits may identify complian pecially if these issues impact	and system to PL's needs (specified nce issues as a performance.
Recommendat	ion A suggestion for impro good industry practices respond to recommend	ovement made by the audit teats. The audited organization is plations.	m usually based on not required to
Scope of Audi	t The scope of an audit s particular audit. It can included in the audit, th the time period that wi	specifies the focus, extent, and include the primary organizati he processes and activities that ll be covered.	boundary of a ons that will be t will be audited, and
Supplier Audit	An audit performed by	PPPL of a contracted Supplie	r.
Tracker	The individual assigne corrective action. For i led the audit.	d to track an audit to closure a nternal audits, this is usually t	nd to verify he individual who

# **Reference Documents**

10 CFR 835, Radiological Protection
10 CFR 851, Worker Safety and Health Program
DOE Order 414.1D, Quality Assurance
EQP-004, PPPL Institutional QA Plan
P-044, External Audits and Appraisals and PPPL Submissions to the ORPS and NTS
QA-017, PPPL Issues Tracking System
QA-019, Root Cause Analysis/Extent of Condition Analysis
QAT-001, Training for the PPPL Audit Program



#### **Procedure**

#### A. <u>Scheduling Audits</u>

#### **Responsibility** Action

Audit Program1. Requests input for the schedule for internal and supplier audits at the<br/>Assessments and Action Items meetings and from Department and<br/>Division Heads approximately two months prior to the start a fiscal<br/>year.

- 2. Proposes fiscal year audit schedule based on the following:
  - The received input,
  - The list of required and recommended audits found at <u>http://www-local.pppl.gov/qa/QAReqd\_RecAudits/Req-RecAud-Current.pdf</u>
  - Potential problem areas as identified in other systems such as performance indicators or occurrence reports,
  - Areas that are determined to have the greatest impact or risk on short-term and long-term Laboratory goals,
  - And other areas for which an audit would be beneficial, employing a graded approach.
- 3. Meets with manager(s) of potential areas to be audited to discuss benefits of the proposed audit. If determined to be value added, discusses the type (performance-based, compliance-based, or combination), scope, general criteria for the audit, and timing. Solicits suggestions for the audit team composition, ideally consisting of representative(s) from the area(s) to be audited as well as customers served by the audited area (a). The responsibilities of the representative are to:
  - Serve as an escort for the audit team within his or her home organization,
  - Serve as an independent auditor for audit activities that do not involve his or her home organization,
  - Observe the problems identified by the audit team, work to correct any misconceptions, and work within the home organization to correct the identified problems,
  - Maintain open communications with his or her management so that they are aware of the progress of the audit,
  - Perform a level of organizational self-assessment.

Note, in order to assure the independence required by DOE O 414.1D, QA reserves the right to make the final decisions regarding the audits to be performed, their objectives, and the audit team members.

				1
PPPL	PRINCE' PHYSICS	FON PLASMA S LABORATORY	PROCEDURE	No. QA-002 Rev 9 Page 5 of 11
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Audit Progran	n 4.	Assigns Lead Audit	ors for each audit. Usually lea	d auditors are from
wanager		Best Practices and C with line manageme appropriate qualific areas covered by 10 10 CFR 851, Worke by qualified PPPL I	Quality Assurance can select of ent approval as long as the em- ations and experience to lead CFR 835, Occupational Radi er Safety and Health Program, Lead Auditors.	ther PPPL employees ployees have the the audit. Audits of ation Program, and must be performed
Head, Best Practices and Quality Assura	5. ance	Transmits proposed and Outreach.	fiscal year schedule to the He	ad, Best Practices
Head, Best Practices and Outreach	6.	Approves and issues Supervisors and par	fiscal year audit schedule (in ticipating team members and	itial and revisions) to DOE/PSO.

# B. <u>Conducting Internal Audits</u>

In the performance of audits, auditors should never go into non-office areas, e.g., research areas, without escorts knowledgeable about the area. Before entering the area, auditors must read and sign any associated Job Hazard Analyses.

Although the steps below indicate that the formal exit meeting is conducted after the audited organization proposes any corrective action, if the optional meeting discussed in step 20 is held to discuss the report and if the proposed corrective actions received after this meeting are acceptable to the audit team, a formal exit meeting is not required.

# **Responsibility** Action

Head, Best Practices and Quality Assurance	1.	Assures all audit team members are trained prior to the start of the audit. See section G.
Audit Team Leader/ Audit Team	2.	Compiles a history of area to be audited by reviewing previous audit, occurrence, accident, inspection, and nonconformance reports.
	3.	<ul> <li>Determines requirements for area to be audited. Typical sources include:</li> <li>Safety Analysis Reports (SARs)</li> <li>Safety Assessment Documents (SADs)</li> <li>DOE Orders and Regulations</li> <li>PPPL Procedures and Policies</li> <li>Federal and state laws and regulations</li> </ul>

4. Reviews appraisal history gathered in step 2 and identifies areas of concern.

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Audit Team Leader/ Audit Team	5.	Identifies proposed (POCs). If a perform indicators of a succe audit, these POCs sh audit schedule ident compliance-based, o	and specific performance obj nance-based audit, these POC essful system or program. If a hould reflect the requirements tifies the type of audit, perform or both.	ectives and criteria 's should reflect the compliance-based s for the program. The mance-based,
	6.	Meets with manage audited to clarify th that specify the requ performance-based, and criteria to be us	r(s) responsible for programs e purpose of the audit. Determ airements for the program or s obtains agreement on the per ed for the audit.	or systems being nines the documents system. If the audit is formance objectives
	7.	Develops audit plan sampling is availabl QA web page.	and checklists, when require le in internal QA Division pro	d. Guidance on ocedures found on the
Lead Auditor	8.	Transmits prelimina responsible for the p be modified during	ary audit checklists, when req programs or systems being au the audit as additional inform	uired, to the manager(s) dited. Checklists may ation is obtained.
	9.	Issues Audit Notific distribution. Condu- last opportunity to r	cation Form (attachment 1). Ir cts the entrance meeting. The review the purpose and scope	nclude DOE/PSO on entrance meeting is the of the audit.
Audit Team	10.	Performs audit. Dis individual interview QA website.	tributes the Interviewee Survey red during the audit. This for	ey Form to each m is available on the
Lead Auditor	11.	During the performation areas informed of the Periodic debriefings the audit. Debriefing the managers of the m	ance of the audit, keeps mana he status of the audit and any p s are held to assure open comp gs may be either in person or audited areas.	gers of the audited potential findings. munications throughout via email as desired by
	12.	When necessary, in ongoing activities th observed action, e.g the discrepant cond discrepancies. Thes identified in step 6.	forms the appropriate PPPL line that should be corrected before before the subcontractor lea itions result in more serious o e are not necessarily the same	ne manager of any completion of the ves the site or before r multiple managers as the ones
Lead Auditor	13.	Discusses potential with the Head, Best this be performed in within a specified ti	occurrence reporting or Price Practices and Quality Assura a timely manner since such i me frame.	Anderson concerns nce. It is important that items must be reported

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Head, Best Practices and Quality	14. Brings potential occ attention of appropr	TCR-QA-002,R9-001 14. Brings potential occurrence reporting or Price Anderson concerns to th attention of appropriate PPPL management.		
Assurance Audit Team	15. Generates draft of the identified that could preferable that they finding, assigns pro Prioritization Form,	he audit report. When multipl potentially result from the same be documented on the same f posed priority using Attachm and classifies it by type per A	e problems are ame root cause, it is finding form. For each ent 2, Audit Finding Attachment 3.	
Lead Auditor	16. Provides draft copie Audit Manager and	es of the audit report and asso to the Head, Best Practices a	ciated findings to the nd Quality Assurance.	
Audit Program Manager and Head, Best Practices and Quality Assurance	n 17. Reviews draft repor program requiremer	t for completeness, clarity, ar nts. Provides comments to au	nd adherence to audit dit team.	
Audit Team	18. Updates audit repor report and associate programs or system the Head, Best Prac the Head, Best Prac discuss the report pr	t based on feedback and prov d findings to the manager(s) is s being audited; the Deputy I tices and Outreach; the Audit tices and Quality Assurance.	ides draft copies of the responsible for the Director for Operations; Program Manager; and Offers to meet and e corrective actions.	
Program/Syste Manager(s)	em 19. Reviews draft repor feedback to the Lea	t and associated findings for a d Auditor.	accuracy. Provides	
Audit Team	20. Reviews any feedba feedback. Updates a	uck and responses. Responds a nudit report, as necessary.	to originator of the	
Lead Auditor	21. Schedules formal ex and incorporated in audit team, Deputy Outreach, and Head dialog on the conter no further concerns meeting. This decisi	kit meeting after comments of the final report. Invites Progr Director for Operations, Head , Best Practices and Quality A at of the report has occurred a or issues are identified, step 2 ion must be documented in th	c concerns are resolved ram/System Manager(s), d of Best Practices and Assurance. If adequate s a result of step 20 and 20 can serve as the exit the final audit report.	
	22. Conducts exit meeti actions. Obtains sig	ng, if necessary. Summarize natures on audit report.	s results and follow-up	

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Lead Auditor	23.	Issues the report. If report is issued.	there are no findings, the audi	t is closed when the
		Note: Copies of all a Practices and Outrea Protection Division, the appropriate Dep If there are ES&H r Head, ES&H and th	audit reports are transmitted to ach, for informational purpose , for review of ORPS and NTS uty Director. elated findings, a copy of the r e Chairperson, ES&H Executi	the Head, Best s; to the Head, Site report ability; and to report is issued to the ve Board.
Program/Syste Manager(s)	em 24.	Provides feedback t management respon	o Quality Assurance by providues section of the audit report.	ling words for the
Quality Assurance	25.	Tracks open finding	s in the PPPL Issues Tracking	System (QA-017). TCR-QA-002,R9-001
Program Syste Manager(s)	em 26.	Proposes corrective Passive language sh proposed corrective resolve the finding a from recurring, the the corrective action to be completed.	action for each finding within ould be avoided in all correcti action must include both the o and the preventive action to pr name of the individual respons as, and the date that the correct	10 working days. ve actions. The corrective action to eclude the finding sible for implementing tive action is scheduled
		Note: When extensiv action impacts mult manager should cor action plan that incl representation from Champions, etc.)	ve corrective actions are neces iple processes and/or departm usider conducting a peer revie ludes responsible line manage appropriate safety committee	ssary or the corrective ents, the responsible w of the corrective rs as well as s (e.g., Safety TCR-QA-002,R9-001
Responsible Department/ Division Head	27. I	Determines, for high required per QA-01 required, then the per the individual(s) assign part of the corrective the root cause analy the audit itself.	h priority findings, if a formal 9. Note that if a formal root ca erformance of this analysis alo signed to do the analysis and th e actions for the audit. Any ac sis are added to the QA tracking	root cause analysis is use analysis is ng with the name of ne due date becomes tions resulting from ng system as part of
Deputy Direct for Operations	or 28.	Approves determina	ation for formal root cause ana	lysis.

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Audit Team	29.	Evaluates to what exists that lead to the with the Program/Synthematics the action.	xtent the proposed corrective ne finding. Discusses potentia ystem Manager(s) who has ul	action addresses the al weaknesses, if any, timate responsibility for
Lead Auditor	30.	Escalates unresolve necessary.	d corrective action(s) up the r	nanagement chain, if
	31.	Evaluates the effect Documents the eval Manager(s) and the	iveness of the audit using the uation and distributes to the I Head of Best Practices and Q	survey forms as input. Program/System Quality Assurance.
Audit Program Manager	n 32.	. Closes Audit when	all Corrective Actions are clo	sed.

# C. <u>Conducting Audits of Suppliers</u>

Note that in the steps below the term "supplier" refers to any outside organization being audited.

<u>Responsibility</u>	Action
Audit Team	1. Develops audit plan, notification, and checklist.
	<ul> <li>Typical planning documents include:</li> <li>Statements of Work and Specifications and referenced documents</li> <li>Previous audits of the same supplier performed by PPPL or other DOE Laboratories, if available.</li> </ul>
	Planning for the audit should involve the Procurement Quality Assurance (PQA) individual assigned to the procurement, the Princeton Technical Representative, and the Subcontract Administrator/Buyer.
Lead Auditor	2. Determines with Subcontract Administrator or Buyer how the audit notification, checklist, and eventual audit report should be issued to the supplier. Options are either Lead Auditor issues it directly to the supplier with a copy to Procurement or Procurement issues it directly to the supplier.
	3. Issues the audit notification per the decision of C.2, including the PQA representation, the PQA Program Manager, and to the PPPL Princeton Technical Representative (PTR). Copies of the preliminary checklist to be used for the audit should be attached to the notification.

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		4. Performs audit. During the performance of the audit, keeps the supplier informed of the status of the audit and any potential findings.				
Audit Team	4.					
	5.	Conducts exit me audit to present th	eeting with the supplier at the audit results and verify any	he conclusion of the draft findings.		
	6.	Reviews draft report with the PTR, Subcontract Administrator Buyer, the PQA Representative associated with the subcontract, a the PQA Program Manager.				
	7.	Issues the report p findings, informs corrective actions issue. Copies of the PQA Program M safety, or health Board.	ber step 2 within 15 working d is the Supplier that a respon- is required within 30 working the report are also sent to the P anager, and, if the audit address issues, the Chairperson of t	ays to the Supplier. If nse of the proposed of days of the date of TR, Procurement, the resses environmental, the ES&H Executive		
Lead Auditor	8.	Interfaces with s with the PPPL supplier of accept within 10 working	uppliers and evaluates propo Princeton Technical Represe ptance or rejection of proposi g days. Updates audit files.	sed corrective action entative. Informs the sed corrective action		

# D. <u>Training</u>

1. Training for participating as an auditor:

Training Method: Read-only, QAT-001, Training for the PPPL Audit Program, available on the QA website followed by a multiple choice test available from Training.

Frequency: Once

2. Qualification for Lead Auditors:

Target audience: Individuals assigned to lead QA Audits. Required for those leading audits of areas covered by 10 CFR 835, Occupational Radiation Program, and 10 CFR 851, Worker Safety and Health Program.

Qualification Method: Specified in Q-005, Quality Assurance Staff Qualifications and Training, available on the QA website.

Instructor: Audit Program Manager



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# E. Records Requirements

For this procedure, the QA Technical Specialist must assure that the record requirements are implemented.

Record Title	Record Custodian	Location	<b>Retention Time<sup>1</sup></b>
Audit Reports and associated Closure Notice, if required	Lead Auditor/QA Technical Specialist	QA Server	<ul> <li>75 years for audits of environmental, health, and safety topics [A22</li> <li>(4)]</li> <li>Otherwise, until subsequent audit of area is completed.</li> </ul>
Audit Supporting Documentation	Lead Auditor/QA Technical Specialist	QA Server	Until subsequent audit of area is completed.
Finding Closure Supporting Documentation	Lead Auditor/QA Technical Specialist	QA Server	<ul> <li>75 years for audits of environmental, health, and safety topics [A22</li> <li>(4)]</li> <li>Otherwise, until subsequent audit of area is completed.</li> </ul>

Attachment 1 – Sample Audit Notification Form

Attachment 2 – Sample Audit Finding Prioritization Form

Attachment 3 – Classification of Audit Findings

Attachment 4 – Observers in the PPPL QA Audit Program

(All forms mentioned in the procedure are available on the QA Server)

<sup>&</sup>lt;sup>1</sup> Based on GEN-023, Rev. 2. Reference to source of requirement (from GEN-023) specified in brackets.

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PRINCETON PLASMA PHYSICS LABORATORY

PROCEDURE

Sample Audit Notification Form

Attachment 1 TCR-QA-002,R9-001

#### AUDIT NOTIFICATION FORM

TO: key manager

DATE: date

FROM: <u>lead auditor</u>

AUDIT NO.: <u>#</u> NAME: \_\_\_\_\_ name

Per the audit schedule, the following audit has been scheduled for an area under your supervision. An entrance meeting has been scheduled as indicated below. After the completion of the audit, an exit meeting will be scheduled with yourself and other personnel <u>prior</u> to the release of the audit results to discuss these results and possible corrective action.

Findings identified during audits and the proposed corrective actions are reviewed at monthly assessments and actions items status meetings held by the Deputy Director for Operations. This practice allows for a broader discussion of findings and their possible relevance to the Laboratory, i.e., is a finding isolated to the organization being audited or could it be representative of a broader Laboratory issue, and also to review whether the proposed corrective actions would prevent recurrence of a finding.

**Entrance Meeting** The entrance meeting will be {date, time, and place}

# Audit Scope

#### **Requirements and Related Documents**

1.

Other documents may be identified during the performance of this audit.

#### **Performance Objectives and Criteria**

Approach

# Checklist

The checklist to be used for this audit is attached. The audit team reserves the right to make changes in the checklist during the performance of this audit.

# Audit Schedule Dates

FROM

ТО: \_\_\_\_\_



Sample Audit Notification Form

**Feedback** {for internal audit reports only} It is important that the final audit report be accurate and complete. Therefore, the audit process includes many opportunities for the audited organization to provide feedback on the performance and results of the audit. Such opportunities include:

- 1. Identifying potential concerns when the audit notification is first issued or during the entrance meeting
- 2. Providing feedback on the periodic debriefings provided by the audit team during the field investigation stage of the audit
- 3. Reviewing the draft audit report for accuracy and completeness and providing feedback that will be considered for inclusion in the final report.
- 4. Providing words for the "Management Reaction" section of the final report.

# Lead Auditor - lead auditor

Team Members	1. <u>Auditor 1</u>
	2. <u>Auditor 2</u>
	3. <u>Auditor 3</u>

**Followed by signatures of audit team members and Audit Program Manager/Head,** Best Practices and Quality Assurance.

cc: Terry Brog, Deputy Director for Operations John DeLooper, Head, Best Practices and Outreach Department {Add other names}



# Sample Audit Finding Prioritization Form

Attachment 2 TCR-QA-002,R9-001

# Sample Audit Finding Prioritization Form<sup>1</sup>

			Finding #	
Consideration		Yes (3 pts. each)	Yes (2 pt. each)	Yes (1 pt. each)
1.	Reportable under the Federal Noncompliance Tracking System			
2.	Noncompliance to a federal or state regulatory or legal requirement			
3.	Has credible potential for injury to workers or the public.			
4.	Consistent with current global problem areas identified in DOE or other government reports. <sup>2</sup>			
5.	Noncompliance to a contractual requirement, e.g., DOE Order or Notice			
6.	Programmatic concern with the potential to impact the Laboratory S&H program (worker and/or public)			
7.	Repeat of findings or significant observations from prior audits, assessments, lessons learned, accident reports, etc.			
8.	Potential to significantly impact the schedule, cost, operation, or functionality of a project or collaboration			
9.	Potential to impact the Laboratory security program			
10.	Potential to impact the schedule, cost, operation, or functionality of a project or collaboration			
11.	Potential to impact the Laboratory environmental program			
12.	Impacts multiple groups, e.g., Departments, Projects, Division			
13.	Violation to PPPL plans, policies, or procedures			

SCORE: \_\_\_\_\_(<= 4 - Low, <=8 - Medium, >8 - High)

NOTES:

<sup>1</sup> From the U. S. Department of Energy, Office of Inspector General, Office of Audit Services, Special Report, Management Challenges at the Department of Energy, DOE/IG-0832, December 2009. The list of management challenges identified by the OIG includes environmental cleanup, safeguards and security, stockpile stewardship, contract administration, Recovery Act implementation, cyber security, energy supply, and human capital management. Additionally, not classified as management challenges, but warranting continued attention by Department management are infrastructure modernization and worker and community safety. The list of significant issues identified by DOE include environmental cleanup, nuclear waste disposal, security, stockpile stewardship, contract and project administration, acquisition process management, cyber security, and human capital management. (Note that Safety and Health is excluded from this list since it is already covered by #6 above.)



**Classification of Audit Findings** 

Attachment 3 TCR-OA-002.R9-001

# Classification Codes used for Audit Findings

Note that an audit finding may have more than one trend code associated with it.

**Implementation:** Inadequacies with implementing what is already defined in a plan, policy, or procedure.

**Management:** Inadequacies with management of the program or some subset of the program being audited. These might involve planning, organizing resources, leading, or feedback and improvement.

**Plan:** Inadequacies in the establishment of institutional level goals, objectives, and controls, e.g., Radiological (ALARA) Plan, Institutional Quality Assurance Plan. (Ref. ISM Document)

**Policy:** Inadequacy in a document that provides PPPL principles, position, or broad guidelines but do not specify "How" something is done. (Ref. P-032)

**Procedure:** Inadequacy in a document that provides a step-by-step method of accomplishing Laboratory operations, with established departmental responsibilities and actions. (Ref. P-032)

**Process:** Inadequacies in a process defined as any set of activities that has a defined purpose, an initiating event, established inputs, identifiable stakeholders, and expected outputs. The process may be contained within a single or several organizational units. (Ref. QA-023)

**Program**: Inadequacies in a program defined as a set of policies and/or processes that comprise a comprehensive program, e.g., at PPPL the Preventive Maintenance Program or the Health Physics Program.

**Records:** Inadequacy in defining, maintaining, and retaining records associated with the area or program audited.

**Safety:** Inadequacies in a program, policy, procedure, process, training, or implementation with the potential to impact PPPL's Environment, Safety, or Health program

**Training:** Inadequacy in training, either in definition or implementation

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PRINCETON PLASMA PHYSICS LABORATORY

PROCEDURE

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**Observers in the QA Audit Program** 

Attachment 4 TCR-QA-002,R9-001

**Purpose**: For any audit, the role of the observer is to assess the effectiveness of the audit team and the audit process. Did the audit team demonstrate sound knowledge of the system and procedures, conduct thorough interviews; challenge and question responses, when appropriate; effectively employ the checklists? Were the members of the audit team qualified to do the audit and adequately independent? Were the conclusions of the audit consistent with the information obtained during the audit?

# **Rules of Observer Behavior:**

1. The Audit Observer shall:

a. Remember at all times that the role is purely observational.

b. Maintain confidentiality throughout the audit process from the entrance notice to the final report.

c. Maintain confidentiality of the names of the individuals interviewed and the content of the interviews, even after the audit report is issued.

#### 2. The Audit Observer may:

a. Take notes during an interview.

b. Express concerns about the audit process to the Lead Auditor only and in private. At his or her discretion, the Lead Auditor may invite the audit team into these discussions. A form is attached for documenting any concerns.

#### 3. The Audit Observer shall not:

a. Talk during any interview or walkthrough.

b. Take any active part in the audit program. This includes asking questions of interviewees, participating in audit team discussions unless invited to do so by the Lead Auditor, etc.

c. Separately, on their own, further review or assess any aspect of the program or area being audited prior to the issuance of the final audit report.

# **Responsibilities of Lead Auditor With Respect to the Observer:**

1. Include the Audit Observer in the distribution of the audit notification.

2. Provide the Audit Observer with a copy of the audit checklist prior to the start of the audit.

3. Invite Audit Observer to the entrance meeting, audit interviews or walk-throughs, team meetings, and the exit meeting (if held). The Audit Observer should recognize that team discussions may, unintentionally but necessarily, be impromptu.

4. Include the Audit Observer in the distribution of draft and final audit reports.