



South Texas Project Electric Generating Station P.O. Box 289 Wadsworth, Texas 77483

June 03, 2010
NOC-AE-10002559
File No. G30.01
10CFR55
STI- 32685762

Mr. Gabriel Apper
Chief Examiner, Region IV
U.S. Nuclear Regulatory Commission
612 E. Lamar Blvd. Suite 400
Arlington, TX 76011-4125

South Texas Project
Units 1 and 2
Docket Nos. STN 50-498; STN 50-499
Written Examination Results

The written NRC License exam was administered on May 27, 2010 at the South Texas Project. In accordance with NUREG 1021, Operator Licensing Examination Standards for Power Reactors, STP Nuclear Operating Company is submitting the following exam materials:

- FORM ES-403-1, Written Exam Grading QA Checklist
- Applicant answer sheet and examination cover sheet
- Applicant questions/clarifications
- Post-exam applicant comments
- Seating chart
- Exam Security Agreement
- Master exam and answer key

NO EXAM COMMENTS
OR
ANALYSIS.
1 Applicant.
Apper
CHIEF
EXAMINER

If you have any questions, please contact Mr. Jon Pierce at (361) 972-7142 or Ken Struble at (361) 972-8690. There are no commitments in this letter.

Sincerely,

Jonathan E. Pierce
Manager, Operations Training

cc:

(paper copy)

Regional Administrator, Region IV
U. S. Nuclear Regulatory Commission
612 East Lamar Blvd, Suite 400
Arlington, Texas 76011-4125

Mohan C. Thadani
Senior Project Manager
U.S. Nuclear Regulatory Commission
One White Flint North (MS 8B1A)
11555 Rockville Pike
Rockville, MD 20852

Senior Resident Inspector
U. S. Nuclear Regulatory Commission
P. O. Box 289, Mail Code: MN116
Wadsworth, TX 77483

U. S. Nuclear Regulatory Commission
Attention: Document Control Desk
One White Flint North
11555 Rockville Pike
Rockville, MD 20852

C. M. Canady
City of Austin
Electric Utility Department
721 Barton Springs Road
Austin, TX 78704

(electronic copy)

A. H. Gutterman, Esquire
Morgan, Lewis & Bockius LLP

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U. S. Nuclear Regulatory Commission

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Cox Smith Matthews

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City of Austin

Richard A. Ratliff
Texas Department of State Health Services

Alice Rogers
Texas Department of State Health Services

ASSIGNMENT TICKLER

Chief:	Gabriel Apger	Facility:	STP	First Date of Exam:	5/27/2010	
Written Exam Developed By:			NRC / Facility	Operating Test Developed By:		NRC / Facility
Due Date	Description	Date Complete	Initials	Notes		
11/28/2009	Exam Administration Dates Confirmed (C.1.a; C.2.a & b)	2-9-10	GWR			
1/27/2010	NRC Examiners & Facility Contact Assigned (C.1.d; C.2.e)	2-9-10	GWR			
1/27/2010	Facility Contact Briefed on Security & Other Req's (C.2.c)	2-9-10	GWR			
1/27/2010	Corporate Notification Letter (ES-201 Att-3) Sent (C.2.d)	2-19-10	GWR	produced by Chief Examiner		
2/26/2010	Reference Material Due (if NRC authored) (C.1.e; C.3.c)	N/A	GWR			
3/13/2010	Integrated Exam Outlines Due (C.1.e & f; C.3.d)	2-9-10	GWR			
3/18/2010	Outlines Reviewed & Feedback Provided (c.2.h; C.3.e)	2-23-10	GWR			
4/12/2010	Draft Exams w/References Due (C.1.e,f,g,h; C.3.d)	4-12-10	GWR			
4/27/2010	*Peer Reviewer Completes Review of Exam on ES-401-9	4-15-10	GWR			
4/27/2010	*NRC BC Approves Feedback to Facility (C.2.h; C.3.f)	4-15-10	GWR			
4/27/2010	*Exams Reviewed w/ Fac. (C.1.h;C.2.f & h; C.3.g)	4-16-10	GWR			
4/27/2010	Preliminary Applications Due (C.1.i;C.2.g; ES-202)	4-27-10	GWR	1 person		
5/2/2010	Preliminary Applications Reviewed (C.1.i;C.2.g)	5-3-10	GWR			
5/13/2010	Final Applications Due (C.1.i;C.2.i;ES-202)	5/13-10	GWR			
5/13/2010	On-Site Preparatory Week to Validate Operating Test	N/A	GWR	written only		
5/13/2010	On-Site Audit (10%) of License App's (ES-202 C.2.e)	N/A	GWR	Retake, 1 individual		
5/20/2010	Final App's Approved & Waiver Letters Sent (ES-204; C.2.e)	5-17-10	GWR	1 App NO WAIVER		
5/20/2010	NRC Supervisor Approved Final Exam (C.2.i;C.3.h)	5-17-10	GWR			
5/20/2010	Exam Approval Letter (ES-201 Att-4) and List of Applicants (ES-201-4) Prepared (C.2.i)	5-17-10	GWR	produced by OLA		
5/20/2010	Proctor Rules Review w/Fac. & Written Authorized (C.3.k)	5-17-10	GWR			
5/20/2010	Exam Material to Exam Team (C.3.i)	N/A	GWR			
5/27/2010	Administer Operating Test On-Site	N/A	GWR	written exam 5/27		
6/8/2010	Facility Graded Written Exam & Comments Received	5/27/10	GWR			
6/11/2010	NRC Written Exam Grading Completed	6/4/10	GWR			
6/11/2010	Examiners Document Exam Grades on ES Forms	6/4/10	GWR			
6/21/2010	NRC Chief Examiner Grading Review Completed	6/4/10	GWR			
6/22/2010	NRC BC Review Completed	6/14/10	GWR			
6/26/2010	License/Denials Mailed; Facility Notified of Results	6/14/10	GWR			
6/26/2010	RPS/IP Number of Examinees Updated	8/18/10	GWR	print Report-21		
7/11/2010	Examination Report Issued	6/28/10	GWR	produced by Chief Examiner		
7/18/2010	Chief Examiner QA of ADAMS and SUNSI checklist complete	8/18/2010	GWR	SUNSI checklist to OLA		
7/26/2010	Ref Mat'l Returned after Final Resolution of Appeals	N/A				

* Indicates the due dates are more conservative than the ES-201-1 requires.
 (Replaces NUREG-1021, Revision 9, ES Forms 201-1 and 501-1)

Facility: <u>South Texas Project</u>		Date of Exam: <u>5/27/10</u>		Exam Level: RO <input checked="" type="checkbox"/> SRO <input type="checkbox"/>		
Item Description	Initial					
	a	b*	c#			
1. Questions and answers are technically accurate and applicable to the facility.	RS	9	GuH			
2. a. NRC K/As are referenced for all questions. b. Facility learning objectives are referenced as available.	RS	9	GuH			
3. SRO questions are appropriate in accordance with Section D.2.d of ES-401	N/A	→				
4. The sampling process was random and systematic (If more than 4 RO or 2 SRO questions were repeated from the last 2 NRC licensing exams, consult the NRR OL program office).	RS	9	GuH			
5. Question duplication from the license screening/audit exam was controlled as indicated below (check the item that applies) and appears appropriate: <input checked="" type="checkbox"/> the audit exam was systematically and randomly developed; or <input type="checkbox"/> the audit exam was completed before the license exam was started; or <input type="checkbox"/> the examinations were developed independently; or <input checked="" type="checkbox"/> the licensee certifies that there is no duplication; or <input type="checkbox"/> other (explain)	RS	9	GuH			
6. Bank use meets limits (no more than 75 percent from the bank, at least 10 percent new, and the rest new or modified); enter the actual RO / SRO-only question distribution(s) at right.	Bank	Modified	New	RS	9	GuH
	32 / N/A	3 / N/A	40 / N/A			
7. Between 50 and 60 percent of the questions on the RO exam are written at the comprehension/ analysis level; the SRO exam may exceed 60 percent if the randomly selected K/As support the higher cognitive levels; enter the actual RO / SRO question distribution(s) at right.	Memory		C/A	RS	9	GuH
	33 / N/A		42 / N/A			
8. References/handouts provided do not give away answers or aid in the elimination of distractors.	RS	9	GuH			
9. Question content conforms with specific K/A statements in the previously approved examination outline and is appropriate for the tier to which they are assigned; deviations are justified.	RS	9	GuH			
10. Question psychometric quality and format meet the guidelines in ES Appendix B.	RS	9	GuH			
11. The exam contains the required number of one-point, multiple choice items; the total is correct and agrees with the value on the cover sheet.	RS	9	GuH			
a. Author b. Facility Reviewer (*) c. NRC Chief Examiner (#) d. NRC Regional Supervisor		Printed Name / Signature <u>Ken Struble</u> <u>Jon Pierce</u> <u>GABRIEL APBER</u> <u>MARK HAUS</u>		Date <u>3/31/10</u> <u>4/5/10</u> <u>5/6/10</u> <u>5/13/10</u>		
Note: * The facility reviewer's initials/signature are not applicable for NRC-developed examinations. # Independent NRC reviewer initial items in Column "c"; chief examiner concurrence required.						

+ WRITTEN EXAM RETAKE

Facility: <u>South Texas Project</u>		Date of Examination: <u>5/27/2010</u>		
Item	Task Description	Initials		
		a	b*	c#
1. W R I T T E N	a. Verify that the outline(s) fit(s) the appropriate model, in accordance with ES-401.	KS	JS	A
	b. Assess whether the outline was systematically and randomly prepared in accordance with Section D.1 of ES-401 and whether all K/A categories are appropriately sampled.	KS	JS	A
	c. Assess whether the outline over-emphasizes any systems, evolutions, or generic topics.	KS	JS	A
	d. Assess whether the justifications for deselected or rejected K/A statements are appropriate.	KS	JS	A
2. S I M U L A T O R	a. Using Form ES-301-5, verify that the proposed scenario sets cover the required number of normal evolutions, instrument and component failures, technical specifications, and major transients.	/	/	/
	b. Assess whether there are enough scenario sets (and spares) to test the projected number and mix of applicants in accordance with the expected crew composition and rotation schedule without compromising exam integrity, and ensure that each applicant can be tested using at least one new or significantly modified scenario, that no scenarios are duplicated from the applicants' audit test(s), and that scenarios will not be repeated on subsequent days.			
	c. To the extent possible, assess whether the outline(s) conform(s) with the qualitative and quantitative criteria specified on Form ES-301-4 and described in Appendix D.			
3. W / T	a. Verify that the systems walk-through outline meets the criteria specified on Form ES-301-2: (1) the outline(s) contain(s) the required number of control room and in-plant tasks distributed among the safety functions as specified on the form (2) task repetition from the last two NRC examinations is within the limits specified on the form (3) no tasks are duplicated from the applicants' audit test(s) (4) the number of new or modified tasks meets or exceeds the minimums specified on the form (5) the number of alternate path, low-power, emergency, and RCA tasks meet the criteria on the form.	/	/	/
	b. Verify that the administrative outline meets the criteria specified on Form ES-301-1: (1) the tasks are distributed among the topics as specified on the form (2) at least one task is new or significantly modified (3) no more than one task is repeated from the last two NRC licensing examinations			
	c. Determine if there are enough different outlines to test the projected number and mix of applicants and ensure that no items are duplicated on subsequent days.			
4. G E N E R A L	a. Assess whether plant-specific priorities (including PRA and IPE insights) are covered in the appropriate exam sections.	M*	M*	N/A
	b. Assess whether the 10 CFR 55.41/43 and 55.45 sampling is appropriate.	KS	JS	A
	c. Ensure that K/A importance ratings (except for plant-specific priorities) are at least 2.5.	KS	JS	A
	d. Check for duplication and overlap among exam sections.	M*	M*	N/A
	e. Check the entire exam for balance of coverage.	KS	JS	A
	f. Assess whether the exam fits the appropriate job level (RO or SRO).	KS	JS	A
a. Author	<u>Ken Struble</u>	Printed Name/Signature		Date
b. Facility Reviewer (*)	<u>Jon Pierce</u>			<u>2/3/10</u>
c. NRC Chief Examiner (#)	<u>GABRIEL APPEL</u>			<u>2-23-10</u>
d. NRC Supervisor	<u>MARK HAIRE</u>			<u>2/24/10</u>
Note:	# Independent NRC reviewer initial items in Column "c"; chief examiner concurrence required. * Not applicable for NRC-prepared examination outlines			

* Submittal is for the written exam outline only

Facility: <u>South Texas Project</u>		Date of Exam: <u>5/27/10</u>		Exam Level: RO <input checked="" type="checkbox"/> SRO <input type="checkbox"/>	
Item Description	Initials				
	a	b	c		
1. Clean answer sheets copied before grading	SAM	RS	GWR		
2. Answer key changes and question deletions justified and documented	N/A	N/A	N/A		
3. Applicants' scores checked for addition errors (reviewers spot check > 25% of examinations)	N/A	RS	GWR		
4. Grading for all borderline cases (80 ±2% overall and 70 or 80, as applicable, ±4% on the SRO-only) reviewed in detail	N/A	N/A	N/A		
5. All other failing examinations checked to ensure that grades are justified	N/A	N/A	N/A		
6. Performance on missed questions checked for training deficiencies and wording problems; evaluate validity of questions missed by half or more of the applicants	SAM	RS	GWR		
Printed Name/Signature	Date				
a. Grader	<u>Stanley A. Mason / Stanley A. Mason</u>		<u>5-27-10</u>		
b. Facility Reviewer(*)	<u>K. Struble / [Signature]</u>		<u>5-27-10</u>		
c. NRC Chief Examiner (*)	<u>GABRIEL ARDREZ / [Signature]</u>		<u>5-4-10</u> <u>6-4-10</u>		
d. NRC Supervisor (*)	<u>MARK HARE / [Signature]</u>		<u>6/14/2010</u>		
(*) The facility reviewer's signature is not applicable for examinations graded by the NRC; two independent NRC reviews are required.					

1. Pre-Examination

NRC EXAM

I acknowledge that I have acquired specialized knowledge about the NRC licensing examinations scheduled for the week(s) of 5/24/2010 as of the date of my signature. I agree that I will not knowingly divulge any information about these examinations to any persons who have not been authorized by the NRC chief examiner. I understand that I am not to instruct, evaluate, or provide performance feedback to those applicants scheduled to be administered these licensing examinations from this date until completion of examination administration, except as specifically noted below and authorized by the NRC (e.g., acting as a simulator booth operator or communicator is acceptable if the individual does not select the training content or provide direct or indirect feedback). Furthermore, I am aware of the physical security measures and requirements (as documented in the facility licensee's procedures) and understand that violation of the conditions of this agreement may result in cancellation of the examinations and/or an enforcement action against me or the facility licensee. I will immediately report to facility management or the NRC chief examiner any indications or suggestions that examination security may have been compromised.

2. Post-Examination

To the best of my knowledge, I did not divulge to any unauthorized persons any information concerning the NRC licensing examinations administered during the week(s) of 5/24/2010. From the date that I entered into this security agreement until the completion of examination administration, I did not instruct, evaluate, or provide performance feedback to those applicants who were administered these licensing examinations, except as specifically noted below and authorized by the NRC.

PRINTED NAME	JOB TITLE / RESPONSIBILITY	SIGNATURE (1)	DATE	SIGNATURE (2)	DATE	NOTE
1. Mike Detrees	Exam Developer	[Signature]	1/12/10	[Signature]	5/27/10	①
2. Ken Struble	TRAC SUP	[Signature]	1/25/10	[Signature]	5/27/10	
3. Stanley A Mason	OTD Instructor	[Signature]	2-3-10	[Signature]	5/27/10	
4. [Name]	RX OPERATOR	[Signature]	3-24-10	[Signature]	5/27/10	
5. Ed McCoolama	RX OPERATOR	[Signature]	3-24-10	[Signature]	6/1/10	②
6. Scott Savoyers	RX OPERATOR	[Signature]	3-24-10	[Signature]	6-1-10	
7. Rick Apperl	RX OPERATOR	[Signature]	3-24-10	[Signature]	5-27-10	
8. Keith Anants	RX OPERATOR	[Signature]	3-24-10	[Signature]	6-2-10	
9. Adrian Cuhel	OTD INSTRUCTOR	[Signature]	3-24-10	[Signature]	6/1/10	
10.						
11.						
12.						
13.						
14.						
15.						

NOTES:

- ① See attached e-mail
- ② Per telecon with Ed McCoolama on 06/01/10 at 1433.

Struble, Kenneth

From: MD [pops747@gmail.com]
Sent: Thursday, May 27, 2010 11:33 AM
To: Struble, Kenneth
Subject: Re: Security Agreement

consider it confirmed. I complied with the conditions of the security agreement without exception.

Mike

On Thu, May 27, 2010 at 11:30 AM, Struble, Kenneth <kwstruble@stpegs.com> wrote:

Mike,

Can you confirm the following:

To the best of my knowledge, I did not divulge to any unauthorized persons any information concerning the NRC licensing examinations administered

on 5/27/2010. From the date that I entered into this security agreement until the completion of examination administration, I did not instruct, evaluate, or provide performance feedback to those applicants who were administered these licensing examinations.

After I receive your response, I will sign you off the security agreement.

Thanks,

Ken

Operator Licensing Exam Schedule

From 10/01/2009 To 09/30/2010

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Region: 4 Phase Code: 5

Exam Week	Site/Docket No./Insp Rpt #	# Candidates	Type	Exam Author	Chief Examiner	Examiners Assigned
04/20/2010	South Texas Project / 05000498 / 2010301 TAC #: X02457		Prep	FFF	APGER, GABRIEL W.	APGER, GABRIEL W.
04/20/2010	South Texas Project / 05000499 / 2010301 TAC #: X02458		Prep	FFF	APGER, GABRIEL W.	APGER, GABRIEL W.
05/27/2010	South Texas Project / 05000498 / 2010301 TAC #: X02457	RO - 1	Admin	FFF	APGER, GABRIEL W.	APGER, GABRIEL W.
05/27/2010	South Texas Project / 05000499 / 2010301 TAC #: X02458		Admin	FFF	APGER, GABRIEL W.	APGER, GABRIEL W.
05/28/2010	South Texas Project / 05000498 / 2010301 TAC #: X02457		Doc	FFF	APGER, GABRIEL W.	APGER, GABRIEL W.
05/28/2010	South Texas Project / 05000499 / 2010301 TAC #: X02458		Doc	FFF	APGER, GABRIEL W.	APGER, GABRIEL W.

Operator Licensing Exam Schedule
From 10/01/2009 To 09/30/2010

Region: 4 Phase Code: 5

Summary By Date

RO - 0	SROI - 0	SROU - 0	LSRO - 0	Total for South Texas Project: 0
04/2010	STP - South Texas Project			
RO - 0	SROI - 0	SROU - 0	LSRO - 0	Total for 04/2010: 0
05/2010	STP - South Texas Project			
RO - 1	SROI - 0	SROU - 0	LSRO - 0	Total for South Texas Project: 1

Operator Licensing Exam Schedule
From 10/01/2009 To 09/30/2010

Region: 4 Phase Code: 5

Summary By Site

STP - South Texas Project
RO - 1 SROI - 0 SROU - 0 LSRO - 0 Total for South Texas Project: 1

Operator Licensing Exam Schedule
From 10/01/2009 To 09/30/2010

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Region: 4 Phase Code: 5

Summary By Region

Region 4	SROI - 0	SROU - 0	LSRO - 0	Total for Region 4: 1
RO - 1				