

# BWR OWNERS' GROUP

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c/o Exelon Generation Co., LLC, Cornerstone II At Cantera, 4300 Winfield Road, Warrenville, IL 60555

BWROG-10042  
August 31, 2010

Project No. 691

Mr. Joe Golla  
Project Manager  
U.S. Nuclear Regulatory Commission  
Washington, DC 20555-0001

**SUBJECT:** BWROG ECCS Suction Strainer Issue Resolution Schedule Update

**REFERENCE:** E-mail from Joe Golla dated July 22, 2010, titled "Letter Regarding Resolution Plan"

Dear Mr. Golla:

The Boiling Water Reactor Owners' Group (BWROG) has developed an extensive program to address NRC questions regarding the design of the Emergency Core Cooling System Suction Strainers (ECCS SS) in Boiling Water Reactors (BWRs). Attached for your information, as requested in the referenced electronic mail, is the current program plan and schedule.

This schedule is separated into twelve major areas of effort by the BWROG ECCS SS Committee for addressing the Staff's questions. For each area, the BWROG has developed a detailed resolution plan. The plan includes major milestones for each of the key deliverables, such as analytical work, test plan development, test plan execution, analysis of test results, and generation of technical reports.

Milestones are noted on the schedule. This is the schedule the BWROG is targeting as of August 2010; although, with any large-scale project, the schedule may change from time to time.

The BWROG is providing this schedule to assist the Staff with its long-range planning efforts to ensure that the appropriate resources will be available to review these efforts as they are developed and completed. This is critical to the overall effort, as most of these tasks are serial in nature. Thus, timely review of each key deliverable will be necessary to maintain the overall schedule.

Other factors that affect schedule performance are utility funding availability, outcome of planned efforts, and resource availability within the BWROG.

D044  
NRR

The BWROG will continue to communicate closely with the NRC Project Manager to maintain awareness of current activities, major schedule changes, and results of technical activities. We will also work with the NRC Project Manager to schedule periodic updates on our progress with NRC senior management. The BWROG looks forward to working with the Staff to demonstrate the robustness of the BWR ECCS SS design.

Please feel free to contact me with any questions regarding this effort.

A handwritten signature in black ink, appearing to read 'F. Schiffler, II', with a horizontal line drawn through the top of the signature.

Frederick P. "Ted" Schiffler, II  
Chairman  
BWR Owners' Group

cc: M. H. Crowthers, BWROG Vice Chairman  
S. L. Scammon, BWROG ECCS SS Committee Chairman  
C.J. Nichols, BWROG Program Manager  
R. W. Whelan, BWROG ECCS SS Committee Project Manager  
BWROG Primary Representatives

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August 31, 2010  
Page 3

Attachment



# ECCS SS Resolution Plan - Level 3 Milestones

1

ID	NRC Interest	WBS	Task Name	Finish	Predecessor
0			<b>0 ECCS SS Resolution</b>	<b>Fri 5/22/15</b>	
1		1	<b>NRC ISSUE #1 - Downstream Effects for Components and Systems</b>	<b>Fri 5/22/15</b>	
2		1.1	<b>Option 1 Use existing WCAP-16406 as base evaluation tool</b>	<b>Fri 12/6/13</b>	
3		1.1.1	<b>Confirm resolution plan with BWROG and NRC - NRC Issue #1</b>	<b>Thu 10/21/10</b>	436
5	Yes	1.1.1.2	Meet with NRC	Thu 10/21/10	4
9	Yes	1.1.5	ECCS Pump Evaluations (Part II)	Fri 9/6/13	8,7
10	Yes	1.1.6	Regulatory Summary (Part III)	Wed 11/6/13	9
12	Yes	1.1.8	Prepare report and issue draft	Fri 12/6/13	11
13		1.2	<b>Options 1 and 2 - Technical Step 3</b>	<b>Fri 5/22/15</b>	
16	Yes	1.2.3	Gather component data from 6 to 8 BWRs	Wed 4/16/14 SS,15,10,12	
18	Yes	1.2.5	Update component lists based on BWROG comments	Tue 6/10/14	17
26	Yes	1.2.13	Submit report to BWR licensees. Answer questions	Fri 3/20/15	25
28		1.3	<b>Option 1 - Regulatory Summary</b>	<b>Mon 11/10/14</b>	
34	Yes	1.3.6	Submit report to NRC	Mon 5/12/14	30SS,33
35	Yes	1.3.7	NRC review report	Tue 6/10/14 FS+20 days	
36	Yes	1.3.8	Resolve NRC comments	Mon 11/10/14 S+100 days	
42		2	<b>NRC ISSUE #2 - Downstream Effects - Fuel</b>	<b>Wed 2/11/15</b>	
43		2.1	<b>GEH BWR LOCA Analysis</b>	<b>Wed 4/4/12</b>	
44		2.1.1	<b>Confirm overall resolution plan with BWROG and NRC - NRC Issue #2</b>	<b>Fri 11/12/10</b>	
46	Yes	2.1.1.2	Meet with NRC	Fri 11/12/10	45
53	Yes	2.1.5	For LTR2: Complete a Westinghouse LOCA analysis of the most limiting LOCA scenarios, maximum of six	Wed 4/4/12	52
54	Yes	2.1.6	For LTR3: Complete an Areva LOCA analysis of the most limiting LOCA scenarios, maximum of six	Wed 4/4/12	52
55	Yes	2.1.7	Submit LTR1 to NRC	Thu 9/30/10	
56	Yes	2.1.8	NRC Review LTR1	Thu 6/9/11	47
57	Yes	2.1.9	Resolve RAI comments and issue report.	Thu 8/18/11	56
58		2.2	<b>Perform simulated fuel assembly flow blockage testing.</b>	<b>Mon 2/18/13</b>	
63	Yes	2.2.5	QA review of test facility	Fri 8/19/11	62
64	Yes	2.2.6	Fuel vendors and test facilities develop test plans and procedures.	Fri 11/18/11	63
67	Yes	2.2.9	Submit test plans/procedures to NRC	Fri 2/17/12	66
69	Yes	2.2.11	Build test facility	Mon 6/11/12	68
70	Yes	2.2.12	Westinghouse build simulated fuel assembly (8ft)	Fri 4/27/12	67
71	Yes	2.2.13	Areva build simulated fuel assembly (8ft)	Fri 4/27/12	67
72	Yes	2.2.14	GNF build simulated fuel assembly (8ft)	Fri 4/27/12	67

Project: ECCS SS Resolution Date: Thu 8/19/10	Task	Rolled Up Task	External Tasks
	Progress	Rolled Up Milestone	Project Summary
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	Summary	Split	Deadline

# ECCS SS Resolution Plan - Level 3 Milestones

2

ID	NRC Interest	WBS	Task Name	Finish	Predecessor
73	Yes	2.2.15	Simulated fuel bundle testing performed and documented for each fuel vendor.	Mon 1/7/13	69
75		2.3	<b>Chemical/corrosion product evaluation of fuel cladding.</b>	<b>Mon 8/5/13</b>	
76	Yes	2.3.1	Establish maximum test temperature and other key test parameters. Establish acceptance criteria	Fri 2/24/12	59
77	Yes	2.3.2	Estimate a limiting case material composition and thickness for fuel cladding deposits.	Wed 4/18/12	76
79	Yes	2.3.4	Each fuel vendor to determine clad oxidation, corrosion rates and peak clad temperature for LOCA	Wed 6/13/12	78
86	Yes	2.3.11	Review test plans/procedures with NRC staff prior to cladding tests.	Mon 3/11/13	85
87	Yes	2.3.12	Build cladding test facility	Mon 5/20/13	86
91	Yes	2.3.16	Perform cladding tests with chemicals and corrosion products and document results	Mon 7/15/13	87
93		2.4	<b>Prepare fuel vendor specific LTRs</b>	<b>Wed 2/11/15</b>	
96	Yes	2.4.3	Draft fuel-vendor-specific LTR reports developed based on simulated fuel bundle testing	Mon 2/24/14	95
98	Yes	2.4.5	Submit LTRs to NRC	Tue 4/8/14	97
99	Yes	2.4.6	NRC review LTRs	Wed 12/17/14 38FS+1 day	
100	Yes	2.4.7	Resolve RAls and issue report	Wed 2/11/15	99
102		3	<b>NRC ISSUE #3 - Debris Head Loss Predictions</b>	<b>Fri 4/12/13</b>	
103		3.1	<b>Develop a BWR strainer design guideline document</b>	<b>Mon 6/4/12</b>	
104		3.1.1	<b>Confirm resolution plan with BWROG and NRC - NRC Issue #3</b>	<b>Fri 10/22/10</b>	436
106	Yes	3.1.1.2	Meet with NRC	Fri 10/22/10	105
107	Yes	3.1.2	Develop draft guideline document.	Mon 1/31/11	
108	Yes	3.1.3	Develop head loss mitigation and margin recovery strategy for plant implementation"	Fri 5/6/11	107
112	Yes	3.1.7	Submit guideline to NRC	Fri 9/23/11	111
113	Yes	3.1.8	NRC review guideline	Mon 2/7/11	
114	Yes	3.1.9	Resolve comments and reissue guideline	Mon 6/4/12 S+180 days	
115		3.2	<b>Establish four vendor-specific strainer user groups</b>	<b>Tue 10/18/11</b>	
116	Yes	3.2.1	Establish vendor-specific user groups.	Fri 6/10/11	436,104
118	Yes	3.2.3	Review test methods and correlations. Provide justifications for previous tests and correlations	Mon 9/5/11	117
119	Yes	3.2.4	Perform additional vendor-specific tests and/or revise head loss correlations if needed.	Tue 10/18/11	118
120		3.3	<b>Develop a generic BWR thin bed effects test program</b>	<b>Fri 4/12/13</b>	
121	Yes	3.3.1	Obtain revised plant debris loads and define problematic debris mixtures	Tue 11/15/11	119,420
125	Yes	3.3.5	Submit test plan to NRC	Tue 6/12/12	124
126	Yes	3.3.6	NRC review test plan	Wed 7/11/12 FS+20 days	
127	Yes	3.3.7	Resolve comments and issue test plan	Wed 8/8/12	126
129	Yes	3.3.9	Issue test plan and test procedures.	Fri 9/21/12	128
130	Yes	3.3.10	Perform tests and document results.	Mon 12/3/12	129

Project: ECCS SS Resolution Date: Thu 8/19/10	Task		Rolled Up Task		External Tasks	
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# ECCS SS Resolution Plan - Level 3 Milestones

3

ID	NRC Interest	WBS	Task Name	Finish	Predecessor
134	Yes	3.3.14	Submit test report to NRC	Wed 2/20/13	133
135	Yes	3.3.15	NRC review test report	Thu 3/21/13 FS+20 days	
136	Yes	3.3.16	Resolve NRC comments and issue final test report	Fri 4/12/13	135
137		4	<b>NRC ISSUE #4 - Chemical Effects</b>	<b>Tue 7/22/14</b>	
138		4.1	<b>Material Dissolution Correlation Development</b>	<b>Wed 5/8/13</b>	
139		4.1.1	<b>Confirm resolution plan with BWROG and NRC - NRC Issue #4</b>	<b>Wed 8/11/10</b>	
141	Yes	4.1.1.2	Meet with NRC	Wed 8/11/10	140
142	Yes	4.1.2	Develop chemical effect strategy outline and flowchart for NRC	Mon 1/24/11	
147	Yes	4.1.7	Submit chemical effect strategy outline and flowchart to NRC	Thu 7/7/11	146
148	Yes	4.1.8	NRC review chemical effect strategy outline and flowchart to NRC	Fri 8/5/11 FS+20 days	
150	Yes	4.1.10	Determine problematic containment materials in US BWR fleet based on existing industry walkdowns	Fri 9/9/11	149,418
151	Yes	4.1.11	Obtain material dissolution data from existing industry literature	Fri 9/16/11	150
152	Yes	4.1.12	Determine what testing must be performed to supplement existing literature, and write test plan	Fri 10/21/11	151
158	Yes	4.1.18	Submit material dissolution test plan to NRC	Tue 12/13/11	157
160	Yes	4.1.20	Resolve NRC comments on material dissolution test plan	Wed 2/8/12	159
161	Yes	4.1.21	Conduct material dissolution testing	Wed 7/25/12	160
164	Yes	4.1.24	Issue material dissolution test report	Wed 8/22/12	163,162,161
168	Yes	4.1.28	Develop empirical material dissolution correlations from acquired data	Thu 11/1/12	167,164SS
169	Yes	4.1.29	Determine appropriate synthetic surrogates for dissolved materials.	Thu 11/22/12	168
177	Yes	4.1.37	Submit BWR Material Dissolution Correlation Report to NRC for review	Fri 3/8/13	176
178	Yes	4.1.38	NRC review Material Dissolution Correlation Report	Mon 4/8/13 FS+20 days	
179	Yes	4.1.39	Resolve NRC comments	Wed 5/8/13	178
180		4.2	<b>BWR Chemical Effects Evaluation Screening Tool Development</b>	<b>Tue 7/22/14</b>	
181	Yes	4.2.1	Apply material dissolution correlations to US BWR fleet to predict plant material dissolution	Wed 6/26/13	179
182	Yes	4.2.2	Categorize plants based on suppression pool chemistries and dissolved material concentrations	Wed 7/10/13	181
183	Yes	4.2.3	Develop generic closed vertical test loop (VTL) test plan	Mon 8/19/13	182
188	Yes	4.2.8	Submit test plan to NRC	Wed 9/25/13	187
189	Yes	4.2.9	NRC review test plan	Thu 10/24/13 FS+20 days	
190	Yes	4.2.10	Resolve NRC comments	Thu 11/7/13	189
191	Yes	4.2.11	Test predicted dissolved material concentrations and simulated suppression pool chemistry	Mon 4/28/14	190
192	Yes	4.2.12	Develop and issue screening tool with criteria and thresholds for the first-pass chemical effects	Mon 6/2/14	191
195	Yes	4.2.15	Submit BWR Chemical Effects Evaluation Screening Tool to NRC	Tue 6/17/14	194
196	Yes	4.2.16	NRC review BWR Chemical Effects Evaluation Screening Tool	Wed 7/16/14 FS+20 days	

Project: ECCS SS Resolution Date: Thu 8/19/10	Task		Rolled Up Task		External Tasks	
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# ECCS SS Resolution Plan - Level 3 Milestones

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ID	NRC Interest	WBS	Task Name	Finish	Predecessor
197	Yes	4.2.17	Resolve NRC comments	Tue 7/22/14	196
199		5	<b>NRC ISSUE #5 - Assessment of Coatings</b>	Tue 5/31/11	
200		5.1	<b>Assessment of Coatings</b>	Tue 3/8/11	
201		5.1.1	<b>Confirm resolution plan with BWROG and NRC - NRC Issue #5</b>	Fri 9/17/10	436
203	Yes	5.1.1.2	Meet with NRC	Fri 9/17/10	202
204	Yes	5.1.2	<b>Develop a coatings assessment guideline document to be used by licensees</b>	Tue 3/8/11	
228		5.1.6	<b>Review of guideline document by NRC</b>	Mon 5/30/11	
229	Yes	5.1.6.1	Submit guideline document to NRC	Thu 3/24/11	227
230	Yes	5.1.6.2	NRC reviews guideline document	Mon 4/25/11 FS+20 days	
231	Yes	5.1.6.3	Resolve NRC comments	Fri 5/27/11	230
236		6	<b>NRC ISSUE #6 - Latent Debris</b>	Thu 10/6/11	
237		6.1	<b>Adopt 85/15 Dirt/Dust Debris Characteristics - OPTION 1</b>	Thu 10/6/11	
238		6.1.1	<b>Confirm resolution plan (presentation) with BWROG and NRC - NRC Issue #6</b>	Fri 11/12/10	436
240	Yes	6.1.1.2	Meet with NRC	Fri 11/12/10	239
241	Yes	6.1.2	Develop position paper comparing environmental condition and materials	Mon 7/4/11	436,240
246	Yes	6.1.7	Submit report to NRC	Tue 8/9/11	245
247	Yes	6.1.8	NRC review report	Wed 9/7/11 FS+20 days	
248	Yes	6.1.9	Resolve NRC concerns	Wed 9/21/11	247
251		7	<b>NRC ISSUE #7 - ZOI Adjustment for Air Jet Testing</b>	Fri 4/29/11	
252		7.1	<b>Review and bolster the current technical basis - OPTION 1</b>	Fri 4/29/11	
253		7.1.1	<b>Confirm resolution plan with BWROG and NRC - NRC Issue #7</b>	Wed 8/11/10	
255	Yes	7.1.1.2	Meet with NRC	Wed 8/11/10	254
257	Yes	7.1.3	Prepare a report incorporating the technical expert comments and bolstering the analysis	Fri 1/28/11	256
262	Yes	7.1.8	Submit report to NRC	Mon 3/7/11	261
263	Yes	7.1.9	NRC review report	Tue 4/5/11 FS+20 days	
264	Yes	7.1.10	Resolve NRC concerns	Tue 4/19/11	263
266		8	<b>NRC ISSUE #8 - ZOI for Protective Coatings</b>	Wed 9/5/12	
267		8.1	<b>ZOI for Protective Coatings</b>	Wed 9/5/12	
268		8.1.1	<b>Confirm resolution plan with BWROG and NRC - NRC Issue #8</b>	Wed 8/11/10	
270	Yes	8.1.1.2	Meet with NRC	Wed 8/11/10	269
271	Yes	8.1.2	<b>Using the jet model, calculate the spherical ZOI</b>	Wed 3/23/11	
276	Yes	8.1.2.5	BWROG to identify two representative plants of each containment type for sample	Mon 9/6/10	268
277	Yes	8.1.3	<b>Develop a draft coatings ZOI guideline document to be used by the BWROG</b>	Tue 4/5/11	

Project: ECCS SS Resolution Date: Thu 8/19/10	Task		Rolled Up Task		External Tasks	
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# ECCS SS Resolution Plan - Level 3 Milestones

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ID	NRC Interest	WBS	Task Name	Finish	Predecessor
302		8.1.7	<b>Review of draft guideline document by NRC</b>	<b>Fri 6/3/11</b>	
303	Yes	8.1.7.1	Submit report to NRC	Mon 4/25/11	301
304	Yes	8.1.7.2	NRC review report	Tue 5/24/11 FS+20 days	
305	Yes	8.1.7.3	Resolve NRC concerns	Wed 6/1/11	304
311	Yes	8.1.10	Sample plants perform plant-specific qualified coating debris evaluations; results submitted to BWROG	Mon 5/7/12	310
313	Yes	8.1.12	Prepare report documenting plant-specific qualified coating debris is bounded by URG guidance	Wed 5/16/12	312SS
316	Yes	8.1.15	Submit results to NRC	Tue 6/19/12	315
317	Yes	8.1.16	NRC review results	Wed 7/18/12 FS+20 days	
318	Yes	8.1.17	Resolve comments	Wed 8/15/12	317
320		9	<b>NRC ISSUE #9 - Debris Transport and Erosion</b>	<b>Mon 10/24/11</b>	
321		9.1	<b>Develop a revised BWR debris transport and erosion guidance:</b>	<b>Mon 10/24/11</b>	
322		9.1.1	<b>Confirm resolution plan with BWROG and NRC - NRC Issue #9</b>	<b>Fri 11/12/10</b>	
324	Yes	9.1.1.2	Meet with NRC	Fri 11/12/10	323
326	Yes	9.1.3	Prepare a report that provides recommended BWR debris transport and erosion guidance	Fri 6/3/11	348FF,325
331	Yes	9.1.8	Submit report to NRC	Mon 8/1/11	330
332	Yes	9.1.9	NRC review report	Tue 8/30/11 FS+20 days	
333	Yes	9.1.10	Resolve NRC concerns	Fri 9/23/11	332
336	Yes	9.1.13	Revise report to address NRC concerns	Mon 10/24/11	335
337		10	<b>NRC ISSUE #10 - Debris Characteristics</b>	<b>Fri 8/5/11</b>	
338		10.1	<b>Develop a BWR debris characteristics report</b>	<b>Fri 8/5/11</b>	
339		10.1.1	<b>Confirm resolution plan with BWROG and NRC - NRC Issue #10</b>	<b>Thu 10/21/10</b>	<b>436</b>
341	Yes	10.1.1.2	Meet with NRC	Thu 10/21/10	340
343	Yes	10.1.3	Prepare a report that provides recommended BWR debris characteristics	Fri 4/29/11 ; 265FF,342	
348	Yes	10.1.8	Submit report to NRC	Fri 6/3/11	347
349	Yes	10.1.9	NRC review report	Mon 7/4/11 FS+20 days	
350	Yes	10.1.10	Resolve NRC concerns	Wed 7/27/11	349
352		11	<b>NRC ISSUE #11 - Near Field Effects and Scaling</b>	<b>Tue 3/20/12</b>	
353		11.1	<b>Near-Field Effects Evaluation</b>	<b>Mon 1/2/12</b>	
354		11.1.1	<b>Confirm resolution plan with BWROG and NRC - NRC Issue #11</b>	<b>Fri 9/17/10</b>	<b>436</b>
356	Yes	11.1.1.2	Meet with NRC	Fri 9/17/10	355
357	Yes	11.1.2	Develop draft Table addressing all testing used to support strainer qualification	Fri 9/24/10	356
361	Yes	11.1.6	Develop draft summary report of near-field effects relative to specific strainer designs	Tue 3/22/11	360
364	Yes	11.1.9	Submit report to NRC	Mon 9/12/11	363

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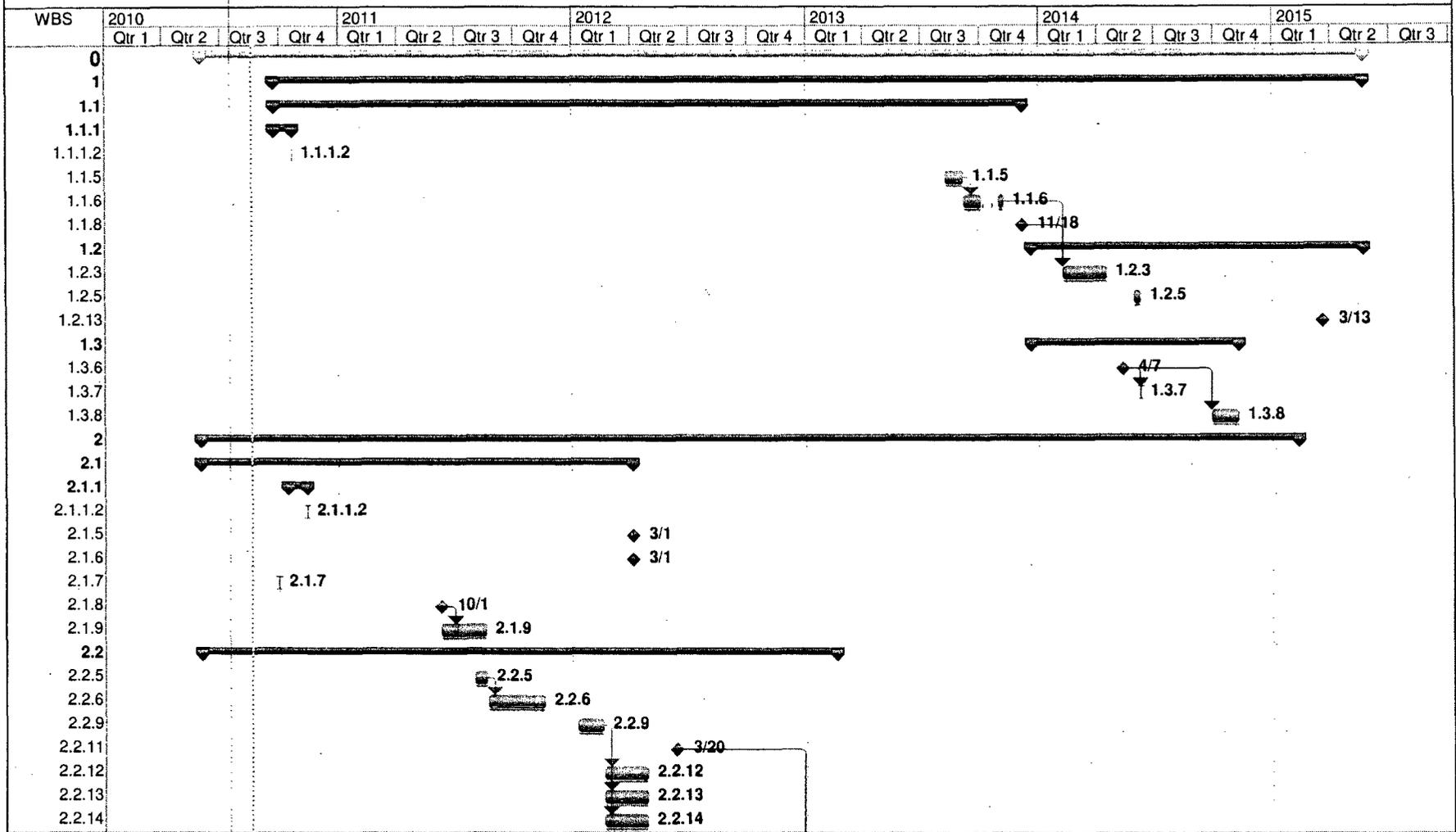
6

ID	NRC Interest	WBS	Task Name	Finish	Predecessor
365	Yes	11.1.10	NRC review report	Tue 10/11/11	FS+20 days
366	Yes	11.1.11	Resolve NRC concerns	Fri 10/14/11	365
367	Yes	11.1.12	Issue final report with completed Table	Mon 1/2/12	FS+50 days
368		<b>11.2</b>	<b>Scaling Evaluation</b>	<b>Tue 3/20/12</b>	
369	Yes	11.2.1	Develop draft Table addressing scaling approaches used as a function of plant (vendor)	Wed 4/13/11	436,354
373	Yes	11.2.5	Obtain review of relevant sections of draft report by affected parties and resolve comments	Fri 12/23/11	372
375	Yes	11.2.7	Submit report to NRC for review	Thu 12/29/11	374
376	Yes	11.2.8	Address NRC comments	Mon 1/2/12	375
377	Yes	11.2.9	Issue final report with completed Table	Tue 3/20/12	FS+50 days
378		<b>12</b>	<b>NRC ISSUE #12 - Spherical ZOI</b>	<b>Thu 5/5/11</b>	
379		<b>12.1</b>	<b>Develop revised guidance for BWR Method 3 brk specific analysis using brk dependent ZOIs - OPTION 1</b>	<b>Thu 5/5/11</b>	
380		<b>12.1.1</b>	<b>Confirm resolution plan with BWROG and NRC - NRC Issue #12</b>	<b>Thu 9/16/10</b>	
382	Yes	12.1.1.2	Meet with NRC	Thu 9/16/10	381
383	Yes	12.1.2	Prepare a report that provides revised guidance for BWR Method 3 break specific analysis	Thu 10/14/10	382
388	Yes	12.1.7	Submit report to NRC	Mon 3/14/11	387
389	Yes	12.1.8	NRC review report	Tue 4/12/11	FS+20 days
390	Yes	12.1.9	Resolve NRC concerns	Tue 4/26/11	389
392		<b>13</b>	<b>Source Term for Generic Evaluations</b>	<b>Thu 11/22/12</b>	
406		<b>13.2</b>	<b>Source Term Bounding Estimates for Tests and Analysis</b>	<b>Tue 11/9/10</b>	
407		<b>13.2.1</b>	<b>Determine bypass fractions and document</b>	<b>Fri 7/30/10</b>	<b>436</b>
408	Yes	13.2.1.1	Develop test specification	Fri 7/30/10	
411	Yes	13.2.1.4	Prepare test plan	Wed 6/2/10	
412	Yes	13.2.1.5	Conduct testing	Wed 6/2/10	
414	Yes	13.2.3	Define bounding debris types and quantities for DSE-fuels tests and Mark I, II, and III containments	Fri 11/5/10	413,407
418	Yes	13.2.7	Define bounding reactive materials and quantities as a function of time	Tue 10/26/10	417
420	Yes	13.2.9	Define bounding thin bed effects materials and debris characteristics for Issue # 3-Thin Bed Effects	Tue 11/9/10	419
423		<b>14</b>	<b>Prepare and issue URG Supplement</b>	<b>Wed 2/27/13</b>	
429	Yes	14.6	Submit URG Supplement to NRC	Wed 4/25/12	428
430	Yes	14.7	NRC review URG Supplement	Wed 7/11/12	FS+40 days
431	Yes	14.8	Resolve NRC concerns	Wed 8/22/12	430
434	Yes	14.11	Incorporate NRC SER into URG supplement	Wed 2/27/13	FS+80 days

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# ECCS SS Resolution Plan - Level 3 Milestones

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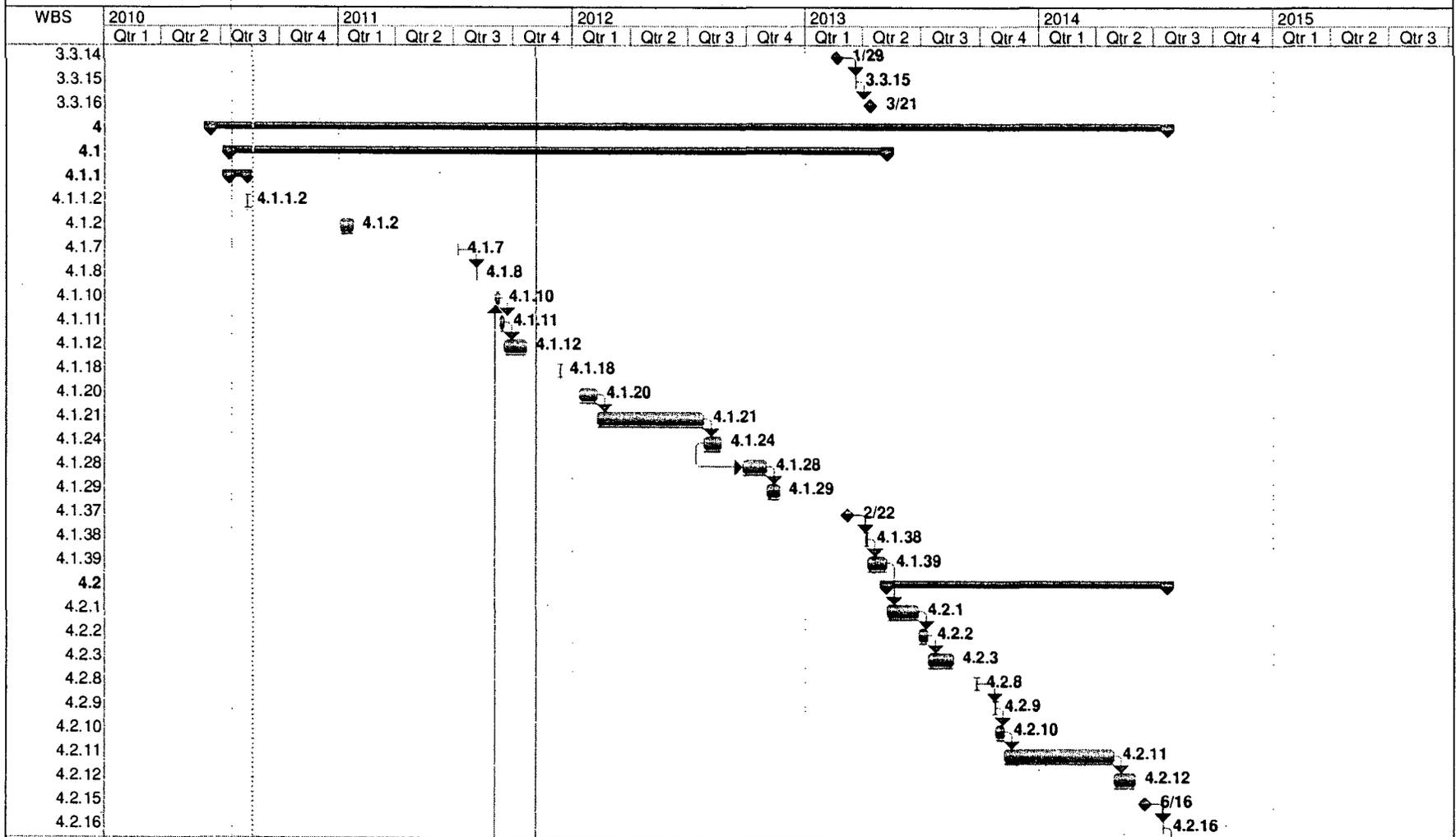
Project: ECCS SS Resolution  
Date: Thu 8/19/10

Task		Rolled Up Task		External Tasks	
Progress		Rolled Up Milestone		Project Summary	
Milestone		Rolled Up Progress		Group By Summary	
Summary		Split		Deadline	



# ECCS SS Resolution Plan - Level 3 Milestones

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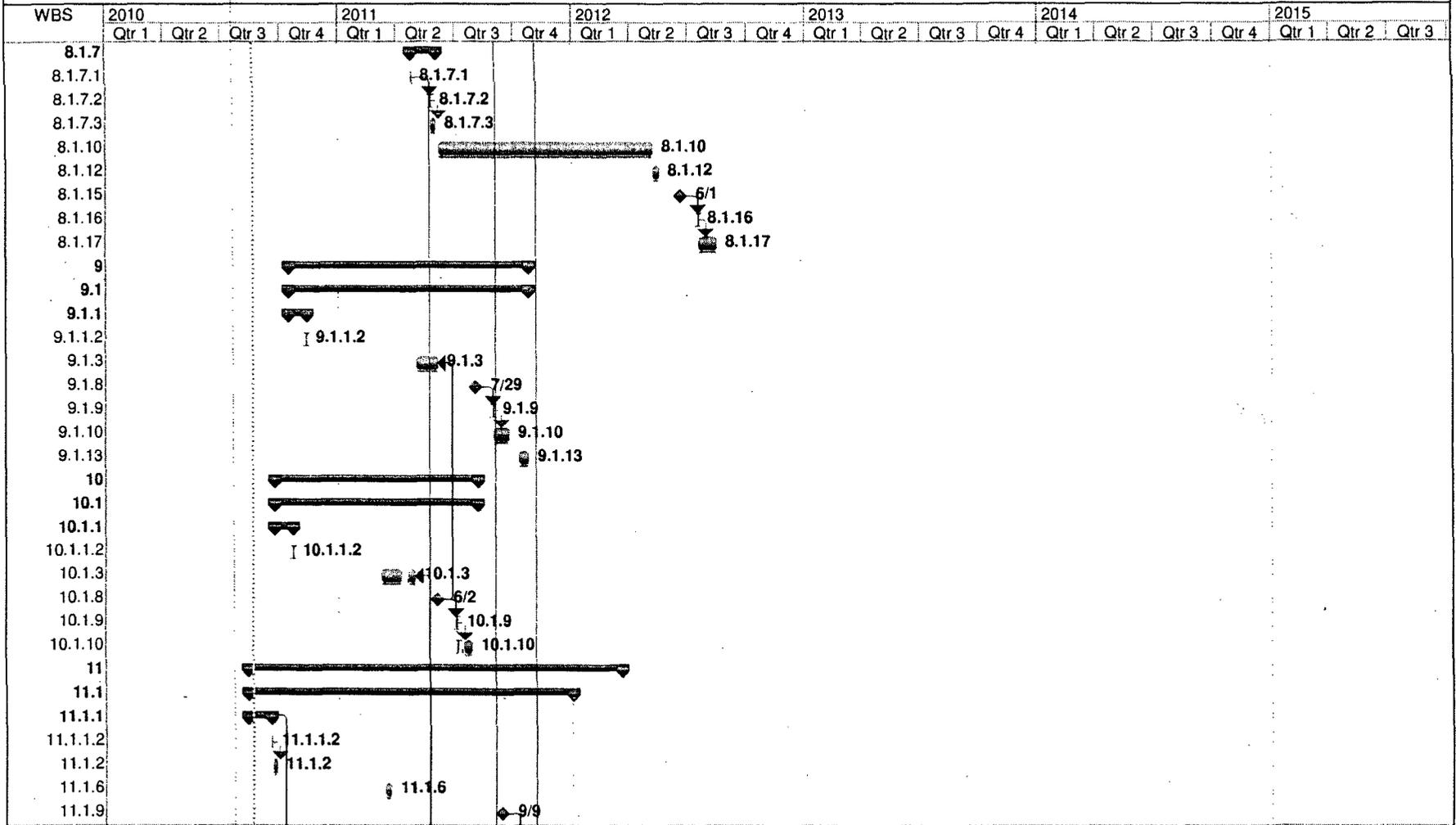


Project: ECCS SS Resolution Date: Thu 8/19/10	Task	Progress	Milestone	Summary	Rolled Up Task	Rolled Up Milestone	Rolled Up Progress	Split	External Tasks	Project Summary	Group By Summary	Deadline
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# ECCS SS Resolution Plan - Level 3 Milestones

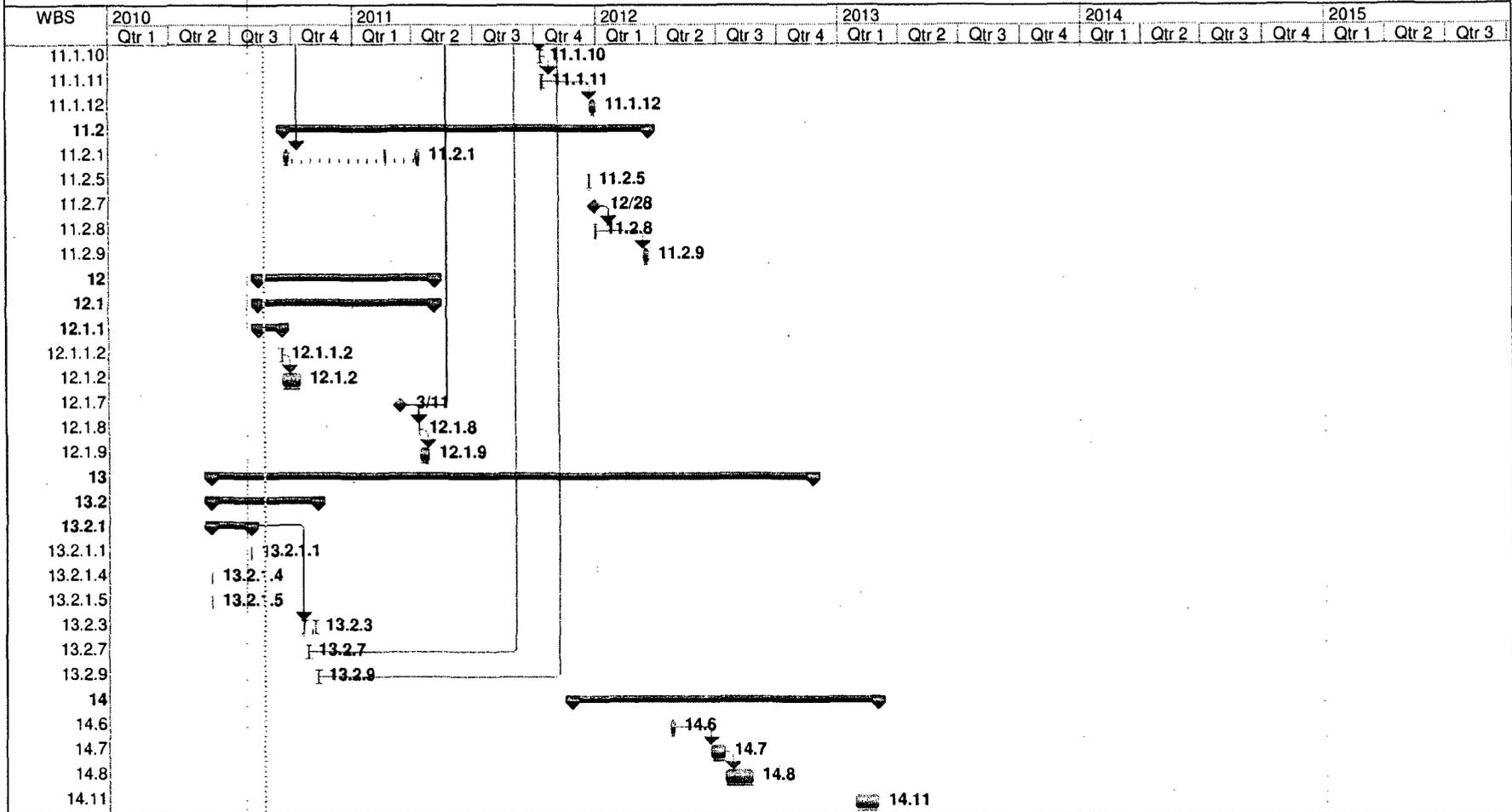
11



Project: ECCS SS Resolution Date: Thu 8/19/10	Task		Rolled Up Task		External Tasks	
	Progress		Rolled Up Milestone		Project Summary	
	Milestone		Rolled Up Progress		Group By Summary	
	Summary		Split		Deadline	

# ECCS SS Resolution Plan - Level 3 Milestones

## 12



Project: ECCS SS Resolution Date: Thu 8/19/10	Task		Rolled Up Task		External Tasks	
	Progress		Rolled Up Milestone		Project Summary	
	Milestone		Rolled Up Progress		Group By Summary	
	Summary		Split		Deadline	