

## Lake, Louis

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**From:** Williams, Charles R. [Charles.Williams@pgnmail.com]  
**Sent:** Wednesday, January 20, 2010 5:16 PM  
**To:** Lake, Louis; Thomas, George  
**Subject:** FW: 01-21-10 Containment Repair Project Level 3 schedule  
**Attachments:** 01-21-10 Level 3 Rev D - 11x17.pdf

fyi

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**From:** Goering, Calvin  
**Sent:** Wednesday, January 20, 2010 5:14 PM  
**To:** Fagan, Paul; Dyksterhouse, Don; Williams, Charles R.; Ortalan, Emin; Miller, Garry; Bell, Robert; Tobin, Larry; Pugh, C-Glenn; Mallner, Aaron; McEwan, Ken  
**Subject:** 01-21-10 Containment Repair Project Level 3 schedule - 9 pages

Please find attached a copy of the Containment Repair Project Level 3 schedule as of this morning for your information.

Also, please note that this schedule is now in Progress Reporter and that progress should be reported each day prior to 14:00. If you need to make significant changes or changes that will impact a deliverable, please let Paul Fagan know so he can be prepared to discuss them at the morning schedule review meeting with the Project team.

Please notify me of any changes that need to be made as soon they are determined, thanks.

Cal Goering  
CR3 CRT Project Scheduler  
352-563-2943 Ext 4186

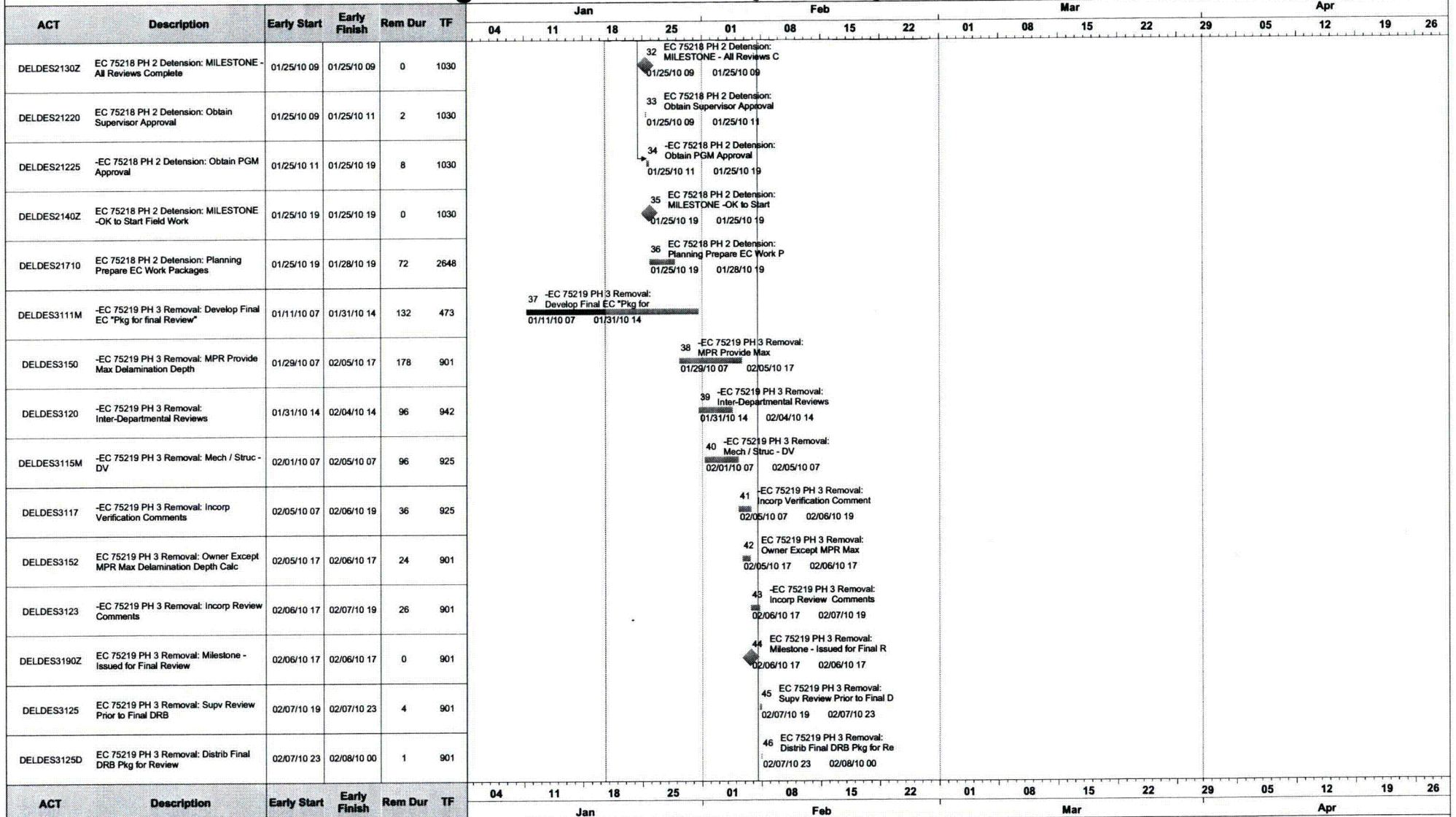
# CR3 NPC Outage Containment Repair Project - Level 3 Schedule

ACT	Description	Early Start	Early Finish	Rem Dur	TF	Jan							Feb							Mar							Apr						
						04	11	18	25	01	08	15	22	01	08	15	22	29	05	12	19	26											
DELDBA-0016	-Detensioning Calc-Finite Element Model Description(MPR Calc 0102-0135-04)	12/27/09 07	01/21/10 14	24	761																												
DELDBA-0020	-Detensioning Calc-Tendon Detensioning Evaluation (MPR Calc 0102-0135-06)	01/09/10 08	01/21/10 14	24	761																												
DELDBA-0005	-Detensioning Calc - Approve Calc	01/21/10 14	01/23/10 14	48	761																												
DELDBA-1M	Detensioning Calculation Complete MILESTONE	01/23/10 14	01/23/10 14	0	1075																												
DELDBA-0104	-Containment Bldg Calc - Incorp Eq Htch Model Details	01/08/10 08	01/22/10 08	42	1311																												
DELDBA-0100	-Containment Bldg Calc - Finalize Computer Analysis	01/23/10 14	01/30/10 14	168	1113																												
DELDBA-0101	-Containment Bldg Calc - Compile Calc to be Ready for Review/Verification	01/30/10 14	02/06/10 14	168	1113																												
DELDBA-0102	-Containment Bldg Calc - Owners Review/Verification	02/06/10 14	02/11/10 14	120	1113																												
DELDBA-0103	-Containment Bldg Calc - Incorporate Review Comments & Approve	02/11/10 14	02/13/10 14	48	1113																												
DELDBA-2M	Containment Bldg Calc Compl MILESTONE	02/13/10 14	02/13/10 14	0	1113																												
<b>Containment Repair Implementation Design</b>																																	
DELDES1M	EC Implementation Design Complete MILESTONE	02/22/10 08	02/22/10 08	0	3033																												
DELDES2125R	-EC 75218 PH 2 Detension: Review Final DRB Pkg	01/20/10 19	01/24/10 19	96	732																												
DELDES21205	EC 75218 PH 2 Detension: Final DRB Meeting	01/24/10 19	01/24/10 21	2	1030																												
DELDES21215	-EC 75218 PH 2 Detension: Incorporate Final DRB Comments	01/24/10 21	01/25/10 09	12	1030																												

Legend:  Milestones  In-Progress  Activity

January 20, 2010 04:53:08 PM

# CR3 NPC Outage Containment Repair Project - Level 3 Schedule



Legend:

Milestones

In-Progress

Activity

January 20, 2010 04:53:08 PM



# CR3 NPC Outage Containment Repair Project - Level 3 Schedule

ACT	Description	Early Start	Early Finish	Rem Dur	TF	Jan				Feb				Mar				Apr				
						04	11	18	25	01	08	15	22	01	08	15	22	29	05	12	19	26
DELDES3125R	-EC 75219 PH 3 Removal: Review Final DRB Pkg	02/08/10 00	02/09/10 18	42	901					47 -EC 75219 PH 3 Removal: Review Final DRB Pkg 02/08/10 00 02/09/10 18												
DELDES31205	EC 75219 PH 3 Removal: Final DRB Meeting	02/09/10 18	02/09/10 20	2	1133					48 EC 75219 PH 3 Removal: Final DRB Meeting 02/09/10 18 02/09/10 20												
DELDES31215	-EC 75219 PH 3 Removal: Incorporate Final DRB Comments	02/09/10 20	02/10/10 20	24	1133					49 -EC 75219 PH 3 Removal: Incorporate Final DRB Com 02/09/10 20 02/10/10 20												
DELDES3130Z	EC 75219 PH 3 Removal: MILESTONE - All Reviews Complete	02/10/10 20	02/10/10 20	0	1133					50 EC 75219 PH 3 Removal: MILESTONE - All Reviews C 02/10/10 20 02/10/10 20												
DELDES31220	EC 75219 PH 3 Removal: Obtain Supervisor Approval	02/10/10 20	02/10/10 22	2	1133					51 EC 75219 PH 3 Removal: Obtain Supervisor Approval 02/10/10 20 02/10/10 22												
DELDES31225	-EC 75219 PH 3 Removal: Obtain PGM Approval	02/10/10 22	02/11/10 22	24	1133					52 -EC 75219 PH 3 Removal: Obtain PGM Approval 02/10/10 22 02/11/10 22												
DELDES31710	-EC 75219 PH 3 Removal: Planning Prepare EC Work Packages	02/11/10 22	02/14/10 22	72	2573					53 -EC 75219 PH 3 Removal: Planning Prepare EC Work P 02/11/10 22 02/14/10 22												
DELDES3140Z	EC 75219 PH 3 Removal: MILESTONE - PGM Approval	02/11/10 22	02/11/10 22	0	1133					54 EC 75219 PH 3 Removal: MILESTONE - PGM Approv 02/11/10 22 02/11/10 22												
DELDES4111M	-EC 75220 PH 4 Replacement: Develop 70% EC *Pkg for Design Challenge	01/13/10 10	01/30/10 16	44	1256					55 -EC 75220 PH 4 Replacement: Develop 70% 01/13/10 10 01/30/10 16												
DELDES4-0006	-EC 75220 PH 4 Replacement: AREVA Design Radial Reinforcement	01/15/10 11	02/04/10 14	360	1428					56 -EC 75220 PH 4 Replacement: AREVA 01/15/10 11 02/04/10 14												
DELDES4-0008	-EC 75220 PH 4 Replacement: AREVA Design Additional Reinforcement for Delan Area	01/15/10 12	02/10/10 14	504	1284					57 -EC 75220 PH 4 Replacement: AREVA 01/15/10 12 02/10/10 14												
DELDES4-0004	-EC 75220 PH 4 Replacement: AREVA Revise Concrete Spec CR3-C-0003&Verify Mix Dsn	01/15/10 12	02/04/10 14	360	1187					58 -EC 75220 PH 4 Replacement: AREVA 01/15/10 12 02/04/10 14												
DELDES4-0010	EC 75220 PH 4 Replacement: AREVA Issue Reinforcement Calc/Dwgs	01/15/10 12	02/11/10 04	518	1125					59 EC 75220 PH 4 Replacement: AREVA Issue 01/15/10 12 02/11/10 04												
DELDES4-0011	EC 75220 PH 4 Replacement: AREVA Review & Revise Calc S06-0007 for Liner Plate	01/15/10 12	02/06/10 04	398	1245					60 EC 75220 PH 4 Replacement: AREVA 01/15/10 12 02/06/10 04												
DELDES4-0009	-EC 75220 PH 4 Replacement: AREVA Revise Existing & Create New Reinforcement Dwg	01/15/10 12	02/10/10 14	504	1284					61 -EC 75220 PH 4 Replacement: AREVA 01/15/10 12 02/10/10 14												

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ACT	Description	Early Start	Early Finish	Rem Dur	TF	Jan				Feb				Mar				Apr			
						04	11	18	25	01	08	15	22	01	08	15	22	29	05	12	19
DELDES4-0002	-EC 75220 PH 4 Replacement: SGT Revise Formwork Spec CR3-C-0002	01/15/10 12	02/02/10 02	300	1367					62 -EC 75220 PH 4 Replacement: SGT Revise 01/15/10 12 02/02/10 02											
DELDES4-0001	-EC 75220 PH 4 Replacement: SGT Revise Formwork Calc S08-0021	01/15/10 12	02/03/10 02	324	1343					63 -EC 75220 PH 4 Replacement: SGT Revise 01/15/10 12 02/03/10 02											
DELDES4-0005	EC 75220 PH 4 Replacement: Owner Accept Revised Concrete Spec CR3-C-0003	01/15/10 13	02/10/10 14	504	1187					64 EC 75220 PH 4 Replacement: Owner Accept 01/15/10 13 02/10/10 14											
DELDES4111M3	EC 75220 PH 4 Replacement: Receive Preliminary MPR Analysis Input	01/30/10 14	01/30/10 16	2	1256					65 EC 75220 PH 4 Replacement: Receive 01/30/10 14 01/30/10 16											
DELDES4120	-EC 75220 PH 4 Replacement: Inter-Departmental 70% Reviews	01/30/10 16	02/04/10 14	118	1426					66 -EC 75220 PH 4 Replacement: 01/30/10 16 02/04/10 14											
DELDES4115M	-EC 75220 PH 4 Replacement: Mech / Struc - 70% DV	01/30/10 16	02/04/10 14	118	1426					67 -EC 75220 PH 4 Replacement: Mech / Struc - 01/30/10 16 02/04/10 14											
DELDES4-0003	EC 75220 PH 4 Replacement: Owner Accept Formwork Spec CR3-C-0002 & Calc S08-0021	02/03/10 02	02/04/10 02	24	1343					68 EC 75220 PH 4 Replacement: Owner Accept 02/03/10 02 02/04/10 02											
DELDES41207	EC 75220 PH 4 Replacement: 70% Design Challenge Meeting	02/04/10 14	02/04/10 16	2	1426					69 EC 75220 PH 4 Replacement: 70% Design 02/04/10 14 02/04/10 16											
DELDES4117	-EC 75220 PH 4 Replacement: Incorp 70% Verification Comments	02/04/10 14	02/05/10 14	24	1428					70 -EC 75220 PH 4 Replacement: Incorp 70% 02/04/10 14 02/05/10 14											
DELDES4111M2	-EC 75220 PH 4 Replacement: Develop Final EC "Pkg for final DRB"	02/05/10 15	02/13/10 16	193	1113					71 -EC 75220 PH 4 Replacement: Develop Final 02/05/10 15 02/13/10 16											
DELDES4-0012	EC 75220 PH 4 Replacement: Owner Accept Revised Calc S06-0007 for Liner Plate	02/06/10 04	02/08/10 04	48	1245					72 EC 75220 PH 4 Replacement: Owner Accept 02/06/10 04 02/08/10 04											
DELDES4-0000	EC 75220 PH 4 Replacement: Receive Desgn Input from PII Root Cause Analysis	02/08/10 14	02/08/10 16	2	1597					73 EC 75220 PH 4 Replacement: Receive 02/08/10 14 02/08/10 16											
DELDES4190Z	EC 75220 PH 4 Replacement: Milestone - Issued for 70% Review	02/10/10 14	02/10/10 14	0	1284					74 EC 75220 PH 4 Replacement: Milestone - 02/10/10 14 02/10/10 14											
DELDES4123	-EC 75220 PH 4 Replacement: Incorp 70% Review Comments	02/10/10 14	02/11/10 14	24	1284					75 -EC 75220 PH 4 Replacement: Incorp 70% 02/10/10 14 02/11/10 14											
DELDES4-0007	EC 75220 PH 4 Replacement: Owner Accept New Reinforcement Design/Calc	02/11/10 04	02/13/10 04	48	1125					76 EC 75220 PH 4 Replacement: Owner Accept 02/11/10 04 02/13/10 04											

Legend: Milestones In-Progress Activity

January 20, 2010 04:53:08 PM



# CR3 NPC Outage Containment Repair Project - Level 3 Schedule

ACT	Description	Early Start	Early Finish	Rem Dur	TF	Jan							Feb							Mar							Apr						
						04	11	18	25	01	08	15	22	01	08	15	22	29	05	12	19	26											
DELDES4111M1	EC 75220 PH 4 Replacement: Receive Approved MPR Analysis Input	02/13/10 14	02/13/10 16	2	1113																												
DELDES4120A	-EC 75220 PH 4 Replacement: Final Inter-Departmental Reviews	02/13/10 16	02/17/10 17	97	1117																												
DELDES4115M1	-EC 75220 PH 4 Replacement: Final Mech / Struc - DV	02/13/10 16	02/17/10 17	97	1113																												
DELDES4123A	-EC 75220 PH 4 Replacement: Incorp Final Review Comments	02/17/10 17	02/18/10 17	24	1117																												
DELDES4117F	-EC 75220 PH 4 Replacement: Incorp Final Verification Comments	02/17/10 17	02/18/10 17	24	1113																												
DELDES4125	EC 75220 PH 4 Replacement: Supv Review Prior to Final DRB	02/18/10 17	02/18/10 21	4	1113																												
DELDES4125D	EC 75220 PH 4 Replacement: Distrib Final DRB Pkg for Review	02/18/10 21	02/18/10 22	1	1113																												
DELDES4125R	-EC 75220 PH 4 Replacement: Review Final DRB Pkg	02/18/10 22	02/19/10 22	24	1113																												
DELDES41205	EC 75220 PH 4 Replacement: Final DRB Meeting	02/19/10 22	02/20/10 00	2	1293																												
DELDES41215	-EC 75220 PH 4 Replacement: Incorporate Final DRB Comments	02/20/10 00	02/21/10 00	24	1293																												
DELDES4130Z	EC 75220 PH 4 Replacement: MILESTONE - All Reviews Complete	02/21/10 00	02/21/10 00	0	1293																												
DELDES41220	EC 75220 PH 4 Replacement: Obtain Supervisor Approval	02/21/10 00	02/21/10 08	8	1293																												
DELDES41225	-EC 75220 PH 4 Replacement: Obtain PGM Approval	02/21/10 08	02/22/10 08	24	1293																												
DELDES41710	EC 75220 PH 4 Replacement: Planning Prepare EC Work Packages	02/22/10 08	02/25/10 08	72	2491																												
DELDES4140Z	EC 75220 Replacement MILESTONE - PGM Approval	02/22/10 08	02/22/10 08	0	1293																												

Legend:

Milestones

In-Progress

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ACT	Description	Early Start	Early Finish	Rem Dur	TF	Jan							Feb				Mar				Apr				
						04	11	18	25	01	08	15	22	01	08	15	22	01	08	15	22	29	05	12	19
DELDES6111M	EC 63020 2250 Safe Load Path: Revise EC "Pkg"	01/19/10 07	01/22/10 12	46	3130	92 EC 63020 2250 Safe Load Path: Revise EC "Pkg" 01/19/10 07 01/22/10 12																			
DELDES51020M	-EC 75221 PH 5 Retension: Develop Draft Pkg for Conceptual DRB	01/19/10 11	01/23/10 17	75	2984	93 -EC 75221 PH 5 Retension: Develop Draft Pkg for 01/19/10 11 01/23/10 17																			
DELDES6115M	EC 63020 2250 Safe Load Path: Mech / Struc - DV	01/22/10 12	01/22/10 16	4	3130	94 EC 63020 2250 Safe Load Path: Mech / Struc - DV 01/22/10 12 01/22/10 16																			
DELDES6125	EC 63020 2250 Safe Load Path: Obtain Supervisor Approval	01/22/10 16	01/22/10 17	1	3130	95 EC 63020 2250 Safe Load Path: Obtain Supervisor App 01/22/10 16 01/22/10 17																			
DELDES5111M	-EC 75221 PH 5 Retension: Develop 70% EC "Pkg"	01/23/10 17	02/07/10 17	360	2984	96 -EC 75221 PH 5 Retension: Develop 70% EC "Pkg" 01/23/10 17 02/07/10 17																			
DELDES5120	-EC 75221 PH 5 Retension: Inter-Departmental Reviews	02/07/10 17	02/11/10 17	96	3009	97 -EC 75221 PH 5 Retension: Inter-Departmental Reviews 02/07/10 17 02/11/10 17																			
DELDES5115M	-EC 75221 PH 5 Retension: Mech / Struc - DV	02/07/10 17	02/11/10 17	96	2984	98 -EC 75221 PH 5 Retension: Mech / Struc - DV 02/07/10 17 02/11/10 17																			
DELDES51025	EC 75221 PH 5 Retension: Distribute Conceptual 70% Pkg for Review	02/08/10 13	02/08/10 14	1	3010	99 EC 75221 PH 5 Retension: Distribute Conceptual 70% 02/08/10 13 02/08/10 14																			
DELDES51027	-EC 75221 PH 5 Retension: Review Conceptual 70% Pkg	02/08/10 14	02/11/10 14	72	3010	100 -EC 75221 PH 5 Retension: Review Conceptual 70% Pkg 02/08/10 14 02/11/10 14																			
DELDES51030	EC 75221 PH 5 Retension: Conceptual DRB Meeting	02/11/10 12	02/11/10 14	2	3064	101 EC 75221 PH 5 Retension: Conceptual DRB Meeting 02/11/10 12 02/11/10 14																			
DELDES5122	EC 75221 PH 5 Retension: 70% Design Challenge Mgt	02/11/10 14	02/11/10 16	2	3010	102 EC 75221 PH 5 Retension: 70% Design Challenge Mgt 02/11/10 14 02/11/10 16																			
DELDES5120Z	EC 75221 PH 5 Retension: MILESTONE - Conceptual DRB Mtg Cplt / Waived	02/11/10 14	02/11/10 14	0	3064	103 EC 75221 PH 5 Retension: MILESTONE - Conceptual 02/11/10 14 02/11/10 14																			
DELDES5123	-EC 75221 PH 5 Retension: Incorp Review Comments	02/11/10 17	02/13/10 17	48	3009	104 -EC 75221 PH 5 Retension: Incorp Review Comments 02/11/10 17 02/13/10 17																			
DELDES5117	-EC 75221 PH 5 Retension: Incorp 70% Comments	02/11/10 17	02/14/10 18	73	2984	105 -EC 75221 PH 5 Retension: Incorp 70% Comments 02/11/10 17 02/14/10 18																			
DELDES5125	EC 75221 PH 5 Retension: Supv Review Prior to Final DRB	02/14/10 18	02/14/10 22	4	2984	106 EC 75221 PH 5 Retension: Supv Review Prior to Final D 02/14/10 18 02/14/10 22																			

Legend: Milestones In-Progress Activity

January 20, 2010 04:53:08 PM



# CR3 NPC Outage Containment Repair Project - Level 3 Schedule

ACT	Description	Early Start	Early Finish	Rem Dur	TF	Jan				Feb				Mar				Apr			
						04	11	18	25	01	08	15	22	01	08	15	22	29	05	12	19
DELDESS125D	EC 75221 PH 5 Retension: Distrib Final DRB Pkg for Review	02/14/10 22	02/14/10 23	1	2984					107	EC 75221 PH 5 Retension: Distrib Final DRB Pkg for Re	02/14/10 22	02/14/10 23								
DELDESS125R	-EC 75221 PH 5 Retension: Review Final DRB Pkg	02/14/10 23	02/18/10 23	96	2984					108	-EC 75221 PH 5 Retension: Review Final DRB Pkg	02/14/10 23	02/18/10 23								
DELDESS1205	EC 75221 PH 5 Retension: Final DRB Meeting	02/18/10 23	02/19/10 01	2	2984					109	EC 75221 PH 5 Retension: Final DRB Meeting	02/18/10 23	02/19/10 01								
DELDESS1215	-EC 75221 PH 5 Retension: Incorporate Final DRB Comments	02/19/10 01	02/20/10 01	24	2984					110	-EC 75221 PH 5 Retension: Incorporate Final DRB Com	02/19/10 01	02/20/10 01								
DELDESS130Z	EC 75221 PH 5 Retension: MILESTONE - All Reviews Complete	02/20/10 01	02/20/10 01	0	2984					111	EC 75221 PH 5 Retension: MILESTONE - All Reviews C	02/20/10 01	02/20/10 01								
DELDESS1220	EC 75221 PH 5 Retension: Obtain Supervisor Approval	02/20/10 01	02/20/10 09	8	2984					112	EC 75221 PH 5 Retension: Obtain Supervisor Approval	02/20/10 01	02/20/10 09								
DELDESS1225	-EC 75221 PH 5 Retension: Obtain PGM Approval	02/20/10 09	02/21/10 09	24	2984					113	-EC 75221 PH 5 Retension: Obtain PGM Approval	02/20/10 09	02/21/10 09								
DELDESS1710	EC 75221 PH 5 Retension: Planning Prepare EC Work Packages	02/21/10 09	02/24/10 09	72	2984					114	EC 75221 PH 5 Retension: Planning Prepare EC Work P	02/21/10 09	02/24/10 09								
DELDESS140Z	EC 75221 PH 5 Retension: MILESTONE - PGM Approval	02/21/10 09	02/21/10 09	0	2984					115	EC 75221 PH 5 Retension: MILESTONE - PGM Approv	02/21/10 09	02/21/10 09								
<b>Containment Repair Contracting / Subcontracting / Procurement</b>										117	Contracting/Subcontracting/ Procurement Complete MILE	02/08/10 17	02/08/10 17								
DELCON1M	Contracting/Subcontracting/Procurement Complete MILESTONE	02/08/10 17	02/08/10 17	0	3360																
<b>Containment Repair Subcontracting</b>										119	Award Hydro-Demolition Contract	12/04/09 19	01/21/10 14								
DELCON09	-Award Hydro-Demolition Contract	12/04/09 19	01/21/10 14	24	3157																
DELCON09M	Award Hydro-Demolition Contract Compl MILESTONE	01/21/10 14	01/21/10 14	0	3157					120	Award Hydro-Demolition Contract Compl MILESTON	01/21/10 14	01/21/10 14								
DELCON11	-Award Batch Plant Contract	12/04/09 19	02/08/10 17	459	3082					121	-Award Batch Plant Contract	12/04/09 19	02/08/10 17								
DELCON11M	Award Batch Plant Contract Compl MILESTONE	02/08/10 17	02/08/10 17	0	3082					122	Award Batch Plant Contract Compl MILESTONE	02/08/10 17	02/08/10 17								
<b>Containment Repair Testing</b>																					

Legend:

Milestones

In-Progress

Activity



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ACT	Description	Early Start	Early Finish	Rem Dur	TF	Jan				Feb				Mar				Apr			
						04	11	18	25	01	08	15	22	01	08	15	22	29	05	12	19
DELTST06	Perform Concrete Scan / Boring	06/13/10 14	06/15/10 14	48	579																
DELTST03	Interface Perform ILRT Test	06/13/10 14	06/15/10 14	48	579																
DELTSTL1M	Interface Testing/ILRT Complete MILESTONE	06/15/10 14	06/15/10 14	0	747																
DELCLOL12M	Interface Plant Start-up Complete MILESTONE	06/17/10 14	06/17/10 14	0	699																
<b>Containment Repair Plant Startup &amp; Testing</b>																					
DELIMP2-0000	Interface Startup to Mode 4	06/15/10 14	06/17/10 14	48	579																
DELCLO0-0000	Interface Startup to Mode 1/On-line	06/17/10 14	06/22/10 14	120	579																

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						04	11	18	25	01	08	15	22	01	08	15	22	29	05	12	19
Legend:																					
						◆ Milestones					— In-Progress					— Activity					

**January 20, 2010 04:53:08 PM**