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1	ITEM #	SOURCE		DESCRIPTION	FILE NO.	FACILITY	RESPONSIBILITY		DATE ADDED	IG DUE DATE	DARR DUE DATE	COMPL DATE	STATUS
2		DOC/MTNG	DATE				CO.	INITIAL					
3	23	Conf Call 1010	#####	Provide draft of Mill Creek Validation Report for LG&E/K	41.0803	Mill Creek	B&V	TH/MW	10/19/10	11/05/10		11/05/10	Complete
4	29	--	#####	Provide Brown Kickoff presentation .	14.1000	Brown	B&V	TH	10/29/10	11/05/10		11/03/10	Complete
5	24	Conf Call 1010	#####	Prepare differences between SCR and SNCR for Brown	14.1000	Brown	B&V	AM/RL	10/19/10	11/09/10		11/03/10	Complete
6	28	--	#####	Provide Mill Creek Validation presentation.	41.0803	Mill Creek	B&V	TH	10/29/10	11/05/10		11/03/10	Complete
7	31	Email 14.1000	#####	Provide comments on Brown Kickoff meeting agenda	14.1000	Brown	LG&E/KU	ES	10/27/10	11/02/10		11/01/10	Complete
8	30	Email 14.1000	#####	Provide comments on Mill Creek Validation meeting age	14.1000	Mill Creek	LG&E/KU	ES	10/27/10	11/02/10		11/01/10	Complete
9	26	--	#####	Provide sketches of Unit 4 AQC equipment in the thicke	41.0402	Mill Creek	B&V	MH	10/25/10	10/27/10	10/27/10	11/01/10	Complete
10	22	Email 14.1000	#####	Provide LG&E/KU comments on Ghent Site Visit meeti	14.1000	Ghent	LG&E/KU	ES	10/15/10	10/19/10		10/22/10	Complete
11	11	KO & MC Site \	9/20/10	Evaluate pros and cons of NID system for November tec	14.1000	n--	B&V	AM/RL	09/21/10	Nov. 2010		10/21/10	Complete
12	21	Ghent Site Visit	#####	Prepare Ghent Information Request.	41.0100	Ghent	B&V	TH	10/11/10	10/15/10		10/18/10	Complete
13	15	KO & MC Site \	9/20/10	Review B&V electrical study conducted in the 1990s	14.1000	Mill Creek	B&V	JB	09/21/10	09/24/10	TBD	10/18/10	Complete
14	18	Email 41.0100	9/29/10	Choose the coal fuel design basis for Mill Creek, Ghent.	41.0100	n--	LG&E/KU	ES	09/30/10	10/06/10		10/18/10	Complete
15	4	KO & MC Site \	9/20/10	Use B&V file system to set up LG&E/KU document stor	14.1000	n--	LG&E/KU	ES	09/21/10	TBD		10/18/10	Complete
16	12	KO & MC Site \	9/20/10	Schedule vendors for evaluation of existing scrubbers	14.1000	n--	LG&E/KU	ES	09/21/10	TBD		10/18/10	Complete
17	1	KO & MC Site \	9/20/10	Determine location for Mill Creek Task 6 Technology Se	14.1000	Mill Creek	LG&E/KU	ES	09/21/10	10/15/10		10/12/10	Complete
18	20	Email 22.1000	10/5/10	Provide comments on the Mill Creek Project Design Me	22.1000	Mill Creek	LG&E/KU	ES	10/11/10	10/12/10		10/12/10	Complete
19	13	KO & MC Site \	9/20/10	Provide structural steel study assessments	14.1000	n--	LG&E/KU	ES	09/21/10	09/24/10	09/30/10	10/04/10	Complete
20	14	KO & MC Site \	9/20/10	Provide minimum access dimension box	14.1000	n--	LG&E/KU	ES	09/21/10	09/24/10	09/30/10	10/04/10	Complete
21	7	KO & MC Site \	9/20/10	Determine personnel assignments for document review	14.1000	n--	LG&E/KU	ES	09/21/10	TBD		10/04/10	Complete
22	19	Re: Email 41.0	9/30/10	B&V to provide schedule/deadlines for Mill Creek inform	41.0100	Mill Creek	B&V	TH	09/30/10	10/06/10		10/04/10	Complete
23	6	KO & MC Site \	9/20/10	Create IBackup FTP site for large file transfer	14.1000	--	B&V	KL	09/21/10	09/24/10		09/29/10	Complete
24	10	KO & MC Site \	9/20/10	Prepare data inventory and information request	14.1000	Mill Creek	B&V	MW/JC	09/21/10	09/24/10		09/29/10	Complete

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5	To be included in Brown KO presentation. Also include fabric filter discussion. (10/25)									
6	Final sent on 11/5									
7										
8	Confirmed LG&E and KU team is available for the afternoon on 11/9									
9										
10	Eileen has no comments (10/18). Waiting for comments from LG&E/KU members.									
11	Will send powerpoint presentation in the next couple of days (10/18).									
12										
13	B&V could not locate study. Added to Data Request. Will review when LG&E/KU provides study.									
14	Use future coal. (10/11) Chlorine needs to be corrected (10/18)									
15	Audrey is working on it (10/11). It is set up. Eileen to review (10/18).									
16	To be scheduled week of 10/25. B&V requested to be included in debriefing w/ each vendor.									
17	MC Technology selection meeting to be held in Louisville on 11/9 with Brown KO mtg on 11/10&11.									
18	Eileen's comments provided on 10/12. Sent to Alex for further comments.									
19	CD received 9/27. Units 1, 2, and 4 on CD. Unit 3 still needed. Email request sent on 9/28.									
20	CD received 9/27. Access Dimension not included. Email request sent 9/28.									
21	MC - Alex Betz and a couple others at plant. Process in place (10/4)									
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25	5	KO & MC Site	9/20/10	Provide engineering cost estimate at end of each month	14.1000	n--	B&V	TH	09/21/10	09/30/10		09/28/10	Complete
26	2	KO & MC Site	9/20/10	Determine dates for Ghent kick-off meeting	14.1000	Ghent	LG&E/KU	ES	09/21/10	09/23/10		09/27/10	Complete
27	16	KO & MC Site	9/20/10	Evaluate the possibility of accelerating the installation of	14.1000	Mill Creek	LG&E/KU	ES & TH	09/21/10	TBD		09/27/10	Complete
28	17	Email 14.1000	9/20/10	Provide LG&E/KU comments on Kick Off Meeting and M	14.1000	--	LG&E/KU	ES	09/21/10	09/24/10		09/24/10	Complete
29	3	KO & MC Site	9/20/10	Provide DVD copy of Phase I Report	14.1000	--	B&V	TH	09/21/10	09/24/10		09/22/10	Complete
30	9	KO & MC Site	9/20/10	Update PIM with Eileen's Ghent contact information	14.1000	--	B&V	MW	09/21/10	09/24/10		09/21/10	Complete
31	8	KO & MC Site	9/20/10	Determine if a Monday, 2 pm EST project conference ca	14.1000	--	B&V	TH/□MW	09/21/10	09/23/10		09/21/10	Complete
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25	Sent 9/28.									
26	Scheduled for October 6&7									
27	B&V email addressed the acceleration of the SCR install for MC 1 & 2 (9/17). LG&E/KU replied no change in direction at this time (9/27).									
28	Final issued on 9/24									
29	Set received on 9/22									
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1	LG&E/KU	LG&E and KU		
2	AB	Alex Betz - Mill Creek		
3	DS	Dave Smith - Ghent		
4	ES	Eileen Saunders		
5	GB	Greg Black		
6	GR	Gary Revlett		
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17	BV	Black & Veatch (B&V)		
18	TH	Tim Hillman		
19	KL	Kyle Lucas		
20	AM	Anand Mahabaleshwarker		
21	MK	Mike King		
22	RL	Rick Lausman		
23	MW	M.R. Wehrly		
24	MH	Monty Hintz		
25	JB	Jim Bayless		
26	JC	Jonathan Crabtree		

From: Hillman, Timothy M.
To: Saunders, Eileen
CC: 168908 E.ON-AQC; Jackson, Audrey; Crabtree, Jonathan D.; Mahabaleshwarkar, Anand; Wehrly, M. R.; Lausman, Rick L.; Hintz, Monty E.; Goodlet, Roger F.; Betz, Alex; Lucas, Kyle J.; Smith, Dave; Mehta, Pratik D.
Sent: 11/15/2010 11:03:31 AM
Subject: 168908.28.3000 101115 - Action Item List
Attachments: 168908 LG&E AND KU ACTION ITEM LIST.xls

Eileen,

Attached is the updated action item list for our weekly Monday conference call.

Regards,

Tim Hillman | Project Manager
Power Generation - Environmental Services
Black & Veatch - Building a World of Difference™
11401 Lamar Avenue
Overland Park, KS 66211
Phone: (913) 458-7928
Email: hillmantm@bv.com

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2		DOC/MTNG	DATE				CO.	INITIAL				
3		GENERAL				n--	A					
4	27	Conf Call 10102	10/25/10	Prepare letter spec for Fabric Filter workshop.	41.0806	n--	B&V	AM/RL	10/19/10	TBD		
5		MILL CREEK				Mill Creek	A					
6	35	--	11/8/10	Incorporate LG&E and KU comments to Mill Creek PDM	22.1000	Mill Creek	B&V	MW/JC	11/08/10	11/16/10		
7	32	Email 41.0803 1	11/5/10	Provide comments on Mill Creek Validation Report.	41.0803	Mill Creek	LG&E/KU	ES	11/08/10	11/16/10		
8		GHENT				Ghent	A					
9	40	--	11/8/10	Incorporate LG&E and KU comments to GhentPDM and	22.1000	Ghent	B&V	MW/JC	11/15/10	11/30/10		
10		E.W. BROWN				Brown	A					
11	33	--	11/8/10	Prepare Data Request for Brown Station.	41.0100	Brown	B&V	TH	11/08/10	11/18/10		
12	34	--	11/8/10	Prepare and issue draft of Project Design Memorandum	22.1000	Brown	B&V	TH	11/08/10	11/25/10		
13	38	Brown KO Mtg M	11/15/10	Prepare Unit 1 and 2 sketches with and without SCR	14.1000	Brown	B&V	TH	11/15/10	01/10/11		
14	36	Brown KO Mtg M	11/15/10	Provide a list of "sacred ground" areas at Brown.	14.1000	Brown	LG&E/KU	ES	11/15/10	11/19/10		
15	39	Brown KO Mtg M	11/15/10	Identify a contact person for data collection	14.1000	Brown	LG&E/KU	ES	11/15/10	11/19/10		
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4	Open	Discuss what the spec and workshop would look like during the 11/15 conference call (11/8).					
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1	ITEM #	SOURCE		DESCRIPTION	FILE NO.	FACILITY	RESPONSIBILITY		DATE ADDED	IG DUE DATE	DARR DUE DATE	COMPL DATE	STATUS
2		DOC/MTNG	DATE				CO.	INITIAL					
3	23	Conf Call 1010	#####	Provide draft of Mill Creek Validation Report for LG&E/K	41.0803	Mill Creek	B&V	TH/MW	10/19/10	11/05/10		11/05/10	Complete
4	29	--	#####	Provide Brown Kickoff presentation .	14.1000	Brown	B&V	TH	10/29/10	11/05/10		11/03/10	Complete
5	24	Conf Call 1010	#####	Prepare differences between SCR and SNCR for Brown	14.1000	Brown	B&V	AM/RL	10/19/10	11/09/10		11/03/10	Complete
6	28	--	#####	Provide Mill Creek Validation presentation.	41.0803	Mill Creek	B&V	TH	10/29/10	11/05/10		11/03/10	Complete
7	31	Email 14.1000	#####	Provide comments on Brown Kickoff meeting agenda	14.1000	Brown	LG&E/KU	ES	10/27/10	11/02/10		11/01/10	Complete
8	30	Email 14.1000	#####	Provide comments on Mill Creek Validation meeting age	14.1000	Mill Creek	LG&E/KU	ES	10/27/10	11/02/10		11/01/10	Complete
9	26	--	#####	Provide sketches of Unit 4 AQC equipment in the thicke	41.0402	Mill Creek	B&V	MH	10/25/10	10/27/10	10/27/10	11/01/10	Complete
10	22	Email 14.1000	#####	Provide LG&E/KU comments on Ghent Site Visit meeti	14.1000	Ghent	LG&E/KU	ES	10/15/10	10/19/10		10/22/10	Complete
11	11	KO & MC Site \	9/20/10	Evaluate pros and cons of NID system for November tec	14.1000	n--	B&V	AM/RL	09/21/10	Nov. 2010		10/21/10	Complete
12	21	Ghent Site Visit	#####	Prepare Ghent Information Request.	41.0100	Ghent	B&V	TH	10/11/10	10/15/10		10/18/10	Complete
13	15	KO & MC Site \	9/20/10	Review B&V electrical study conducted in the 1990s	14.1000	Mill Creek	B&V	JB	09/21/10	09/24/10	TBD	10/18/10	Complete
14	18	Email 41.0100	9/29/10	Choose the coal fuel design basis for Mill Creek, Ghent.	41.0100	n--	LG&E/KU	ES	09/30/10	10/06/10		10/18/10	Complete
15	4	KO & MC Site \	9/20/10	Use B&V file system to set up LG&E/KU document stor	14.1000	n--	LG&E/KU	ES	09/21/10	TBD		10/18/10	Complete
16	12	KO & MC Site \	9/20/10	Schedule vendors for evaluation of existing scrubbers	14.1000	n--	LG&E/KU	ES	09/21/10	TBD		10/18/10	Complete
17	1	KO & MC Site \	9/20/10	Determine location for Mill Creek Task 6 Technology Se	14.1000	Mill Creek	LG&E/KU	ES	09/21/10	10/15/10		10/12/10	Complete
18	20	Email 22.1000	10/5/10	Provide comments on the Mill Creek Project Design Me	22.1000	Mill Creek	LG&E/KU	ES	10/11/10	10/12/10		10/12/10	Complete
19	13	KO & MC Site \	9/20/10	Provide structural steel study assessments	14.1000	n--	LG&E/KU	ES	09/21/10	09/24/10	09/30/10	10/04/10	Complete
20	14	KO & MC Site \	9/20/10	Provide minimum access dimension box	14.1000	n--	LG&E/KU	ES	09/21/10	09/24/10	09/30/10	10/04/10	Complete
21	7	KO & MC Site \	9/20/10	Determine personnel assignments for document review	14.1000	n--	LG&E/KU	ES	09/21/10	TBD		10/04/10	Complete
22	19	Re: Email 41.0	9/30/10	B&V to provide schedule/deadlines for Mill Creek inform	41.0100	Mill Creek	B&V	TH	09/30/10	10/06/10		10/04/10	Complete
23	6	KO & MC Site \	9/20/10	Create IBackup FTP site for large file transfer	14.1000	--	B&V	KL	09/21/10	09/24/10		09/29/10	Complete
24	10	KO & MC Site \	9/20/10	Prepare data inventory and information request	14.1000	Mill Creek	B&V	MW/JC	09/21/10	09/24/10		09/29/10	Complete

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	NOTES									
1										
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5	To be included in Brown KO presentation. Also include fabric filter discussion. (10/25)									
6	Final sent on 11/5									
7										
8	Confirmed LG&E and KU team is available for the afternoon on 11/9									
9										
10	Eileen has no comments (10/18). Waiting for comments from LG&E/KU members.									
11	Will send powerpoint presentation in the next couple of days (10/18).									
12										
13	B&V could not locate study. Added to Data Request. Will review when LG&E/KU provides study.									
14	Use future coal. (10/11) Chlorine needs to be corrected (10/18)									
15	Audrey is working on it (10/11). It is set up. Eileen to review (10/18).									
16	To be scheduled week of 10/25. B&V requested to be included in debriefing w/ each vendor.									
17	MC Technology selection meeting to be held in Louisville on 11/9 with Brown KO mtg on 11/10&11.									
18	Eileen's comments provided on 10/12. Sent to Alex for further comments.									
19	CD received 9/27. Units 1, 2, and 4 on CD. Unit 3 still needed. Email request sent on 9/28.									
20	CD received 9/27. Access Dimension not included. Email request sent 9/28.									
21	MC - Alex Betz and a couple others at plant. Process in place (10/4)									
22										
23										
24										

	A	B	C	D	E	F	G	H	J	K	L	M	N
25	5	KO & MC Site	9/20/10	Provide engineering cost estimate at end of each month	14.1000	n--	B&V	TH	09/21/10	09/30/10		09/28/10	Complete
26	2	KO & MC Site	9/20/10	Determine dates for Ghent kick-off meeting	14.1000	Ghent	LG&E/KU	ES	09/21/10	09/23/10		09/27/10	Complete
27	16	KO & MC Site	9/20/10	Evaluate the possibility of accelerating the installation of	14.1000	Mill Creek	LG&E/KU	ES & TH	09/21/10	TBD		09/27/10	Complete
28	17	Email 14.1000	9/20/10	Provide LG&E/KU comments on Kick Off Meeting and M	14.1000	--	LG&E/KU	ES	09/21/10	09/24/10		09/24/10	Complete
29	3	KO & MC Site	9/20/10	Provide DVD copy of Phase I Report	14.1000	--	B&V	TH	09/21/10	09/24/10		09/22/10	Complete
30	9	KO & MC Site	9/20/10	Update PIM with Eileen's Ghent contact information	14.1000	--	B&V	MW	09/21/10	09/24/10		09/21/10	Complete
31	8	KO & MC Site	9/20/10	Determine if a Monday, 2 pm EST project conference ca	14.1000	--	B&V	TH/□MW	09/21/10	09/23/10		09/21/10	Complete
32	25	Email 22.1000	#####	Provide LG&E and KU comments on Ghent Project Des	22.1000	Ghent	LG&E/KU	ES	10/21/10	10/28/10		11/08/10	Complete
33	37	Brown KO Mtg	#####	Provide drawings of the Unit 3 SO3 mitigation project	14.1000	Brown	LG&E/KU	ES	11/15/10	11/19/10		11/11/10	Complete
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25	Sent 9/28.									
26	Scheduled for October 6&7									
27	B&V email addressed the acceleration of the SCR install for MC 1 & 2 (9/17). LG&E/KU replied no change in direction at this time (9/27).									
28	Final issued on 9/24									
29	Set received on 9/22									
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31	Scheduled									
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1	LG&E/KU	LG&E and KU		
2	AB	Alex Betz - Mill Creek		
3	DS	Dave Smith - Ghent		
4	ES	Eileen Saunders		
5	GB	Greg Black		
6	GR	Gary Revlett		
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16				
17	BV	Black & Veatch (B&V)		
18	TH	Tim Hillman		
19	KL	Kyle Lucas		
20	AM	Anand Mahabaleshwarker		
21	MK	Mike King		
22	RL	Rick Lausman		
23	MW	M.R. Wehrly		
24	MH	Monty Hintz		
25	JB	Jim Bayless		
26	JC	Jonathan Crabtree		

From: Saunders, Eileen
To: Schroeder, Andrea
Sent: 10/15/2010 9:40:35 AM
Subject: FW: 168908.14.4000 101004 - E.ON MC & Ghent Regulatory Briefing
Attachments: Revlett - Upcoming Environmental Air Regulations (Ghent).pptx

From: Revlett, Gary
Sent: Wednesday, October 06, 2010 7:09 AM
To: 'Lucas, Kyle J.'
Cc: Hillman, Timothy M.; Wehrly, M. R.; Lawson, Stacy J.; 168908 E.ON-AQC; Jackson, Audrey; Saunders, Eileen
Subject: RE: 168908.14.4000 101004 - E.ON MC & Ghent Regulatory Briefing

Hi Kyle,

Attached to this email is a copy of the Ghent PowerPoint presentation that I will use at Ghent's Phase II Air Quality Control Study Kickoff Meeting. The first part of the Ghent presentation is the same as used at Mill Creek meeting to describe the regulatory drivers. I have also included the Mill Creek specific environmental requirements and information on CATR.

Gary

From: Lucas, Kyle J. [mailto:LucasKJ@bv.com]
Sent: Monday, October 04, 2010 5:43 PM
To: Revlett, Gary
Cc: Hillman, Timothy M.; Wehrly, M. R.; Lawson, Stacy J.; 168908 E.ON-AQC; Jackson, Audrey; Saunders, Eileen
Subject: 168908.14.4000 101004 - E.ON MC & Ghent Regulatory Briefing

Gary,
For our project records we would like to obtain a copy of your PowerPoint presentation summarizing the regulatory drivers for the Mill Creek plant (from 9/15/10). Likewise, we would like to get an electronic copy of this week's presentation at Ghent.

Thanks for your assistance,

Regards,
Kyle

Kyle Lucas | Environmental Permitting Manager
Black & Veatch - Building a World of Difference™
11401 Lamar Avenue
Overland Park, KS 66211
Phone: (913) 458-9062 | Fax: (913) 458-9062
Email: lucaskj@bv.com

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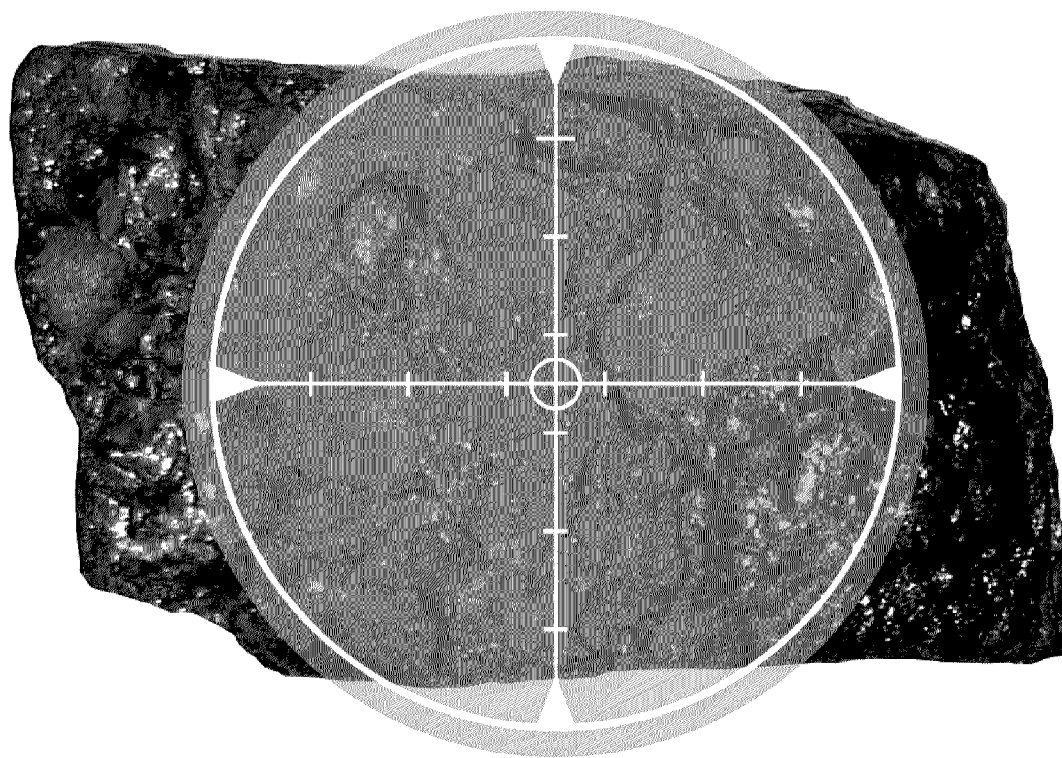


New EPA Air Regulations

Gary Revlett
Air Manager, Environmental Affairs



Coal (Still) in the Crosshairs





Upcoming Air Related EPA Regulations

1. **Nitrogen Dioxide National Ambient Air Quality Standard: NO_x - NAAQS**
2. **Sulfur Dioxide National Ambient Air Quality Standard: SO₂ - NAAQS**
3. **Clean Air Interstate Rule (CAIR) Replacement: Clean Air Transport Rule (CATR)**
4. **Clean Air Mercury Rule (CAMR) Replacement: Electric Generating Unit Maximum Achievable Control Technology (EGU MACT)**



New Nitrogen Dioxide National Ambient Air Quality Standard

- **New 1-hour NO₂ ambient air standard added to the current annual standard.**
- **The new ambient air standard is added to protect public health from short-term exposures.**
- **Sources with the greatest impact are power plants and major highways.**
- **Maximum impact due to short-duration adverse meteorological conditions.**
- **This new regulation is final and compliance is required by 2018.**

Potential Company Impact(s):

- **All coal-fired boilers will need tall stacks (> 400 ft.).**
OR
- **Any coal-fired unit without a tall stack will need a SCR**



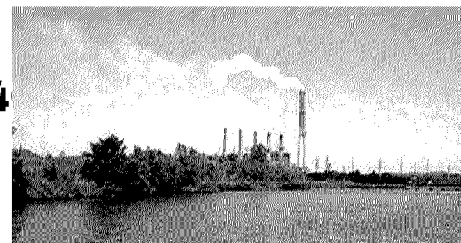


New Sulfur Dioxide National Ambient Air Quality Standard

- **New 1-hour SO₂ ambient air standard added to the current 24-hour standard.**
- **The new ambient air standard is added to protect public health from short-term exposures.**
- **Sources with the greatest impact are coal-fired power plants.**
- **Maximum impact due to short-duration adverse meteorological conditions.**
- **This new regulation is final and compliance is required by end of 2016.**

Potential Company Impact(s):

- **All coal-fired boilers need tall stacks (> 400 feet) and**



greater

OR

- **Switch to low sulfur fuels**



CAIR Replacement – Proposed Clean Air Transport Rule (CATR) for SO₂ and NO_x

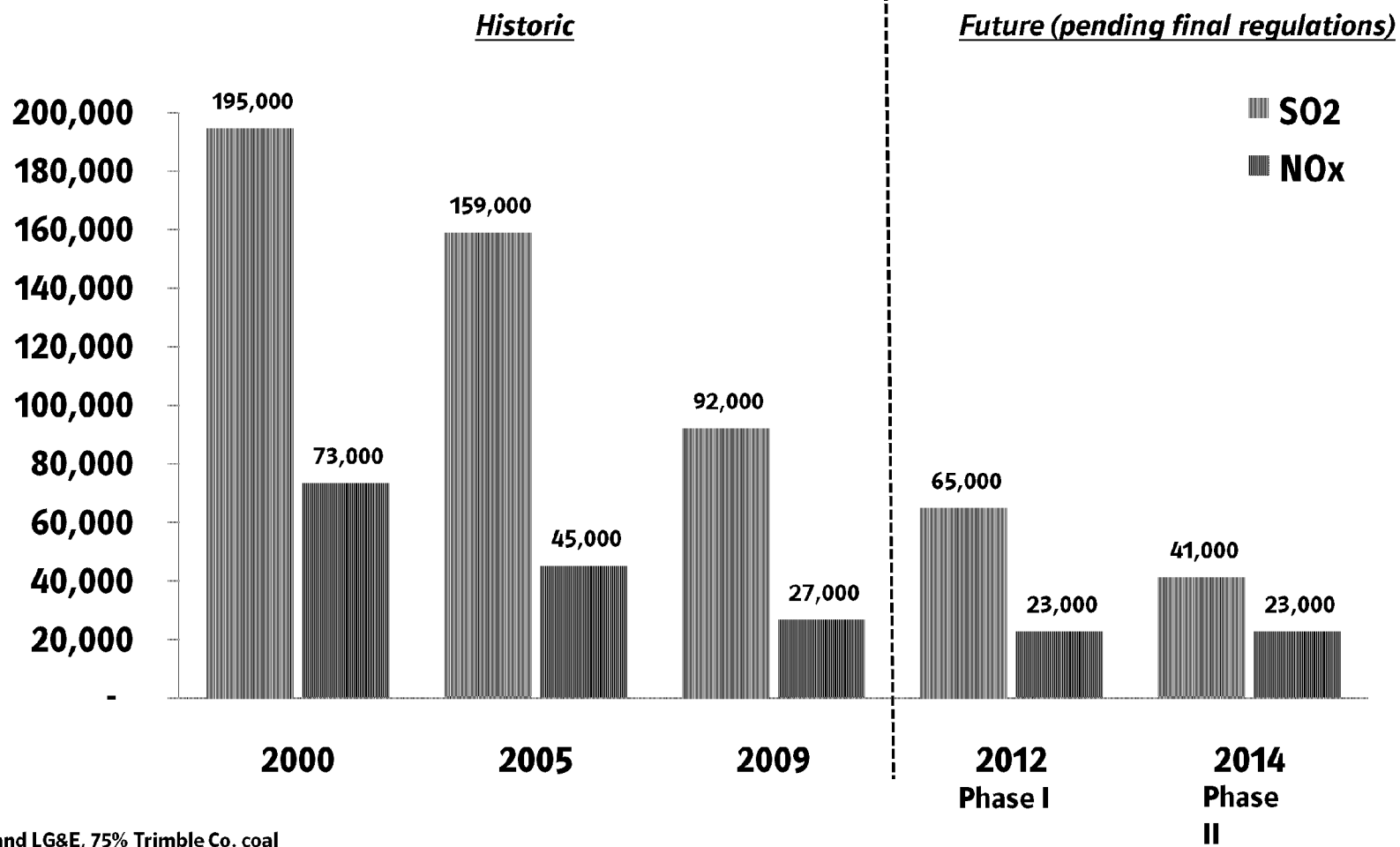
- **Replaces the CAIR cap-and-trade regulations which were vacated in 2008.**
- **The Acid Rain SO₂ cap-and-trade program will remain in place.**
- **100% intrastate trading of SO₂ and NO_x allowances but limited interstate trading**
- **The new regulations were proposed in July, 2010 and will not be final until June, 2011.**
- **The proposed implementation dates of Phase 1 in 2012 and Phase 2 in 2014 are unrealistic.**

Potential Company Impact(s):

- **With less than 10% interstate trading allowed, utilities in Kentucky need to self comply.**
- **Will require a fleet-wide 20% reduction in NO_x emissions and more than 50% reduction in SO₂ emissions by 2014.**



SO₂ and NO_x: Historic Emissions and CATR Allocations



KU and LG&E, 75% Trimble Co. coal

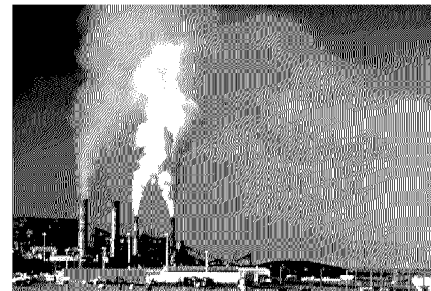


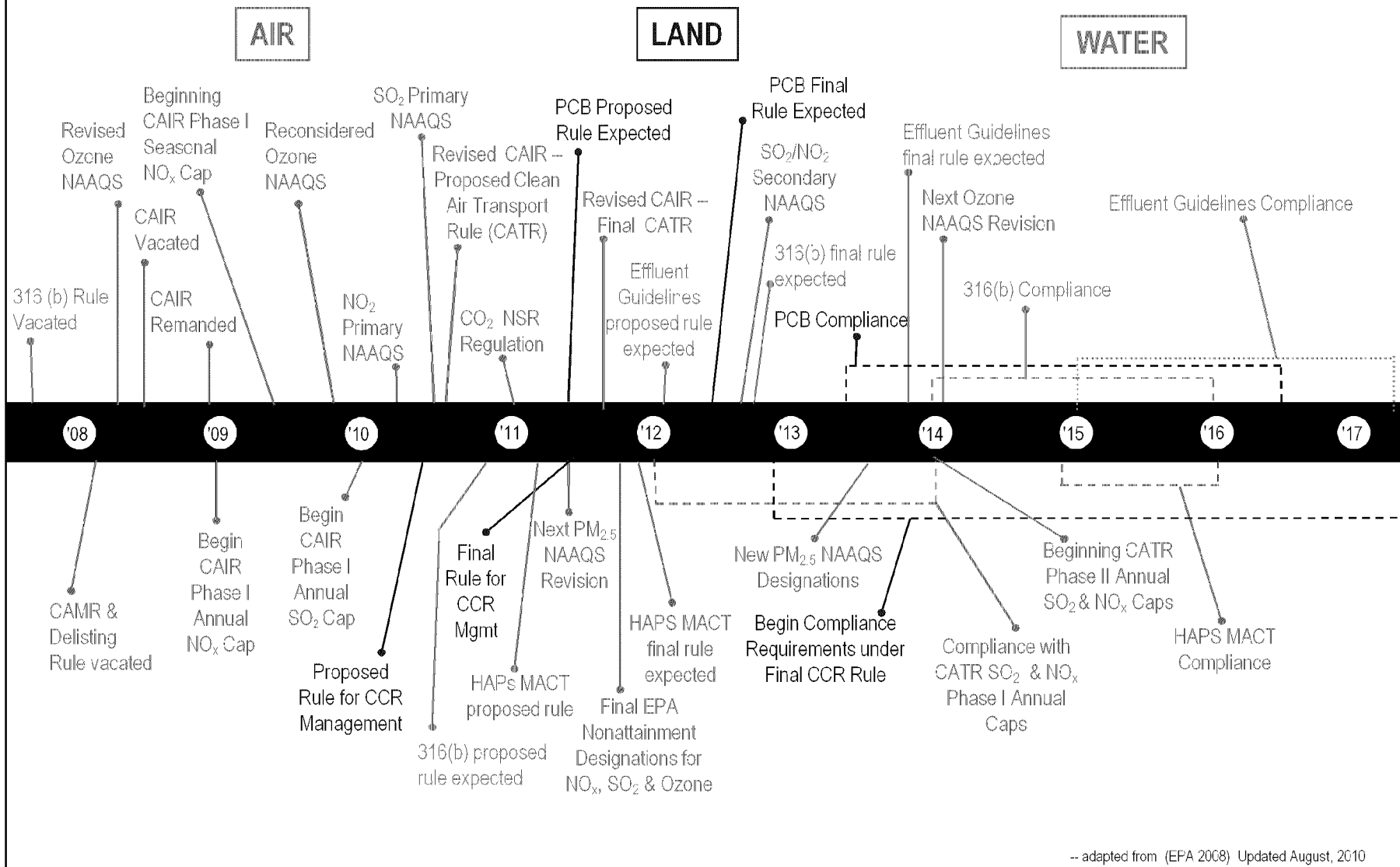
CAMR Replacement - Electric Utility Maximum Achievable Control Technology (MACT)

- **Currently the CAMR replacement has not yet been proposed by EPA.**
- **EPA plans to propose in the new rules in March 2011 and finalize in November 2011.**
- **New emissions limits for Hazardous Air Pollutants such as mercury, hydrogen chloride and hydrogen fluoride and other toxic metals.**
- **No trading of emissions or allowances, each plant must meet the pollutant specific emission limit.**
- **Expected compliance date will be 2015 with a possible 1-year extension.**

Potential Company Impact(s):

- **Most coal-fired units will need to add a baghouse with carbon and lime injection.**





-- adapted from (EPA 2008) Updated August, 2010



Summary

- **Coal is still, and will continue to be, in the cross-hairs of the EPA.**
- **We will analyze every EPA proposal to determine the full magnitude of its impact, including the financial and operational implications.**
- **As with any proposed environmental regulation, we will continue to follow the developments and act accordingly to achieve full compliance once it takes effect.**
- **It will be necessary for continued coordination between departments and across the lines of business. There will be an increased effort to educate the public and key stakeholders.**



Estimated Limits & Compliance Dates For Future New Air Requirements

Ghent Station

Program Name	Regulated Pollutants			Unit/Plant Averaging	Current Reg. Required Date	Forecasted Date for Compliance
	Pollutant	Limit	Units			
SAM NSR NOV	H ₂ SO ₄	2 - 10	ppm	Unit	To Be Determined	2012 - 2014
New 1-hour NAAQS for SO ₂	SO ₂	0.31 for plant avg.	lbs/mmBtu	Based on air quality modeling	June, 2017	June, 2016 to June, 2017
New 1-hour NAAQS for NO _x	NO _x	0.47 for plant avg.	lbs/mmBtu	Based on air quality modeling	January, 2017	No sooner than January, 2017
CATR	SO ₂	0.186	lbs/mmBtu	Plant, but statewide trading	Beginning Phase I in 2012; Limits in Phase II during 2014	Beginning Phase I in 2013; Limits in Phase II during 2015
	NO _x	0.041	lbs/mmBtu			
New EGU MACT	Mercury	90% or 0.012	Removal lbs/GWH	Plant	January, 2015, with 1-yr extension - January, 2016	January, 2016, with 1-yr extension - January, 2017 Potential delay for commitment to shutdown older coal-fired units
	Acids (HCl)	0.002	lbs/mmBtu	Unit or Plant		
	Metals (PM) or Metals (As)	0.03	lbs/mmBtu			
	Organics (CO)	0.10	lbs/mmBtu			
	Dioxin/Furan	15 x 10 ⁻¹⁸	lbs/mmBtu			
PM _{2.5} NAAQS	PM _{2.5} or Condensable PM	To be determined based on modeling	lbs/hours	Plant	After 2017	After 2017



Evaluation of CATR for Ghent Station

Plant	Unit	2009 Actual Emissions				
		SO ₂ (tons)	NO _x (tons)	mmBtu (year)	SO ₂ Rate (lbs/mmBtu)	NO _x Rate (lbs/mmBtu)
Ghent	1	1,418.1	973.2	31,802,243	0.09	0.06
Ghent	2	5,044.3	2,664.9	24,783,886	0.41	0.22
Ghent	3	3,188.6	1,972.3	34,425,557	0.19	0.11
Ghent	4	1,220.5	802.8	28,668,181	0.09	0.06
Ghent	Total	10,872	6,413	119,679,867	0.182	0.107

Plant	Unit	CATR Allocation Tons			CATR Alternative lb/mmBtu			SO ₂ 2012 Heat Input	NO _x 2012 Heat Input
		SO ₂ for 2012	SO ₂ for 2014	NO _x in ≥2012	SO ₂ for 2012	SO ₂ for 2014	NO _x in ≥2012		
Ghent	1	2,221	3,653	794	0.139	0.214	0.050	31,854,467	31,477,413
Ghent	2	2,101	1,813	976	0.180	0.108	0.058	23,378,147	33,536,165
Ghent	3	3,578	3,363	483	0.199	0.203	0.030	35,919,897	32,698,639
Ghent	4	1,214	3,359	468	0.079	0.203	0.029	30,683,824	32,663,045
Ghent	Total	9,114	12,188	2,721	0.155	0.186	0.041	121,836,336	130,375,262

	A	B	C
1		SO2	NOx
2	2000	194,611	73,359
3	2005	158,988	45,130
4	2009	91,988	26,703
5	2012	64,860	22,682
6	2014	41,210	22,682
7			
8			
9	75% TC		

From: Saunders, Eileen
To: Inman, David
CC: Ritchey, Stacy
Sent: 10/11/2010 7:27:06 AM
Subject: Fw: ECR compliance plan filings.
Attachments: Environmental Summay alternate scenario Rev4 - Pras (2).xlsx

David,

Please print this spreadsheet (entire worksheet) for our meeting with Scott this morning.

Thanks,

Eileen

From: Conroy, Robert
To: Straight, Scott; Saunders, Eileen
Cc: Schroeder, Andrea; Bellar, Lonnie
Sent: Thu Oct 07 17:23:21 2010
Subject: FW: ECR compliance plan filings.

Scott/Eileen,

Have you been able to complete the information below?

Robert M. Conroy

Director, Rates

E.ON U.S. Services Inc.

(502) 627-3324 (phone)

(502) 627-3213 (fax)

(502) 741-4322 (mobile)

robert.conroy@eon-us.com

From: Conroy, Robert
Sent: Thursday, September 30, 2010 2:25 PM
To: Straight, Scott
Cc: Saunders, Eileen; Schroeder, Andrea
Subject: ECR compliance plan filings.

Scott,

Here is the table that I gave you before you left. As we discussed, the column labeled "ECR Filing" was a place holder based on when spending would occur and in no way is it accurate. What I need is an understanding of what documentation we have to support a CCN and ECR filing for each of the projects. In addition, since most of the projects will require a CCN, I need to know when "construction" as defined by the CCN will begin so that I can plan accordingly on when to file the application with the KPSC.

You had mentioned "Black and Veatch" study supporting the projects. Would it be possible for me to get access to review that document so I can understand what we have? Thanks for your help and let me know what time you

are available to discuss tomorrow.

<<Environmental Summay alternate scenario Rev4 - Pras (2).xlsx>>

Robert M. Conroy

Director, Rates

E.ON U.S. Services Inc.

(502) 627-3324 (phone)

(502) 627-3213 (fax)

(502) 741-4322 (mobile)

robert.conroy@eon-us.com

	A	C	D	E	F	G	H	I	J	K
1	Environmental Air - CATR by January 2015, NAAQS by January 2016, HAPs by January 2017									
2	\$ in thousands									
3		Capital Cost	ECR Filing	Reportable Document	Start of Construction	2011	2012	2013	2014	2015
4	Alternate Plan									
5	Brown									
6	Brown 1 - SCR	\$59,000	Dec-10			\$2,950	\$17,700	\$23,600	\$14,750	
7	Brown 1 - Baghouse	\$34,000	Dec-10			\$1,700	\$11,900	\$13,600	\$6,800	
8	Brown 1 - PAC Injection	\$1,599	Apr-12					\$800	\$800	
10	Brown 1 - SAM Mitigation	\$4,000	Dec-10			\$200	\$1,200	\$1,600	\$1,000	
12	Brown 1 - Escalation	\$15,476				\$371	\$3,679	\$6,504	\$4,922	
13	Total Brown 1	\$114,075				\$5,221	\$34,479	\$46,103	\$28,272	\$0
14										
15	Brown 2 - SCR	\$92,000	Dec-10			\$9,200.0	\$34,500	\$43,700	\$4,600	
16	Brown 2 - Baghouse	\$34,000	Jul-11				\$1,360	\$10,200	\$10,880	\$10,540
17	Brown 2 - PAC Injection	\$2,476	Apr-13						\$1,238	\$1,238
20	Brown 2 - SAM Mitigation	\$4,000	Dec-10			\$200	\$1,600	\$2,200		
22	Brown 2 - Escalation	\$21,300				\$718	\$4,475	\$9,214	\$3,524	\$3,053
23	Total Brown 2	\$153,776				\$10,118	\$41,935	\$65,314	\$20,242	\$14,831
24										
27	Brown 3 - Baghouse	\$61,000	Apr-12					\$1,830	\$21,350	\$28,670
28	Brown 3 - PAC Injection	\$5,426	Apr-13						\$1,000	\$3,426
31	Brown 3 - Escalation	\$16,475				\$0	\$0	\$301	\$4,711	\$8,320
32	Total Brown 3	\$82,901				\$0	\$0	\$2,131	\$27,061	\$40,416
33										
34	Total Brown	\$350,751				\$15,339	\$76,414	\$113,547	\$75,575	\$55,248
35										
36	Ghent									
37	Ghent 1 - Baghouse	\$131,000	Apr-12					\$3,930	\$45,850	\$61,570
38	Ghent 1 - PAC Injection	\$6,380	Apr-13						\$1,000	\$4,380
42	Ghent 1 - Escalation	\$34,012				\$0	\$0	\$645	\$9,876	\$17,097
43	Total Ghent 1	\$171,392				\$0	\$0	\$4,575	\$56,726	\$83,047
44										
45	Ghent 2 - SCR	\$227,000	Dec-10			\$11,350	\$68,100	\$90,800	\$56,750	
46	Ghent 2 - Baghouse	\$120,000	Apr-12					\$4,800	\$42,000	\$56,400
47	Ghent 2 - PAC Injection	\$6,109	Apr-13						\$1,000	\$4,109
52	Ghent 2 - Escalation	\$66,928				\$867	\$8,135	\$15,701	\$21,028	\$15,686
53	Total Ghent 2	\$420,037				\$12,217	\$76,235	\$111,301	\$120,778	\$76,195
54										
55	Ghent 3 - Baghouse	\$138,000	Apr-12					\$16,560	\$48,300	\$66,240
56	Ghent 3 - PAC Injection	\$6,173	Apr-13						\$3,087	\$3,087
60	Ghent 3 - Escalation	\$33,660				\$0	\$0	\$2,720	\$10,832	\$17,972
61	Total Ghent 3	\$177,833				\$0	\$0	\$19,280	\$62,219	\$87,298
62										
63	Ghent 4 - Baghouse	\$117,000	Apr-12					\$11,700	\$40,950	\$58,500
64	Ghent 4 - PAC Injection	\$6,210	Apr-13						\$3,105	\$3,105
68	Ghent 4 - Escalation	\$28,990				\$0	\$0	\$1,922	\$9,287	\$15,970
69	Total Ghent 4	\$152,200				\$0	\$0	\$13,622	\$53,342	\$77,575
70										
71	Total Ghent	\$921,461				\$12,217	\$76,235	\$148,777	\$293,065	\$324,115
72										

	L	M	N	O	P
1					
2					
3	2016	2017	2018	Total	
4					
5					
6				\$59,000	\$0
7				\$34,000	\$0
8				\$1,599	\$0
10				\$4,000	\$0
12				\$15,476	\$0
13	\$0	\$0	\$0	\$114,075	\$0
14					
15				\$92,000	\$0
16	\$1,020			\$34,000	\$0
17				\$2,476	\$0
20				\$4,000	\$0
22	\$316			\$21,300	\$0
23	\$1,336	\$0	\$0	\$153,776	\$0
24					
27	\$9,150			\$61,000	\$0
28	\$1,000			\$5,426	\$0
31	\$3,142			\$16,475	\$0
32	\$13,292	\$0	\$0	\$82,901	\$0
33					
34	\$14,628	\$0	\$0	\$350,751	\$0
35					
36					
37	\$19,650			\$131,000	\$0
38	\$1,000			\$6,380	\$0
42	\$6,393			\$34,012	\$0
43	\$27,043	\$0	\$0	\$171,392	\$0
44					
45				\$227,000	\$0
46	\$16,800			\$120,000	\$0
47	\$1,000			\$6,109	\$0
52	\$5,511			\$66,928	\$0
53	\$23,311	\$0	\$0	\$420,037	\$0
54					
55	\$6,900			\$138,000	\$0
56				\$6,173	\$0
60	\$2,136			\$33,660	\$0
61	\$9,036	\$0	\$0	\$177,833	\$0
62					
63	\$5,850			\$117,000	\$0
64				\$6,210	\$0
68	\$1,811	\$0	\$0	\$28,990	\$0
69	\$7,661	\$0	\$0	\$152,200	\$0
70					
71	\$67,052	\$0	\$0	\$921,461	\$0
72					

	A	C	D	E	F	G	H	I	J	K
73	Mill Creek									
74	Mill Creek 1 - FGD Upgrade	\$41,250	Apr-12					\$10,313	\$28,875	\$2,063
75	Mill Creek 1 - SCR	\$97,020	Apr-12					\$2,911	\$27,166	\$29,106
76	Mill Creek 1 - Baghouse	\$80,850	Jul-11				\$8,085	\$28,298	\$40,425	\$4,043
77	Mill Creek 1 - Electrostatic Precipitator	\$0					\$0	\$0	\$0	\$0
78	Mill Creek 1 - PAC Injection	\$4,290	Jul-11				\$429	\$1,502	\$2,360	
81	Mill Creek 1 - SAM Mitigation	\$7,920	Apr-12					\$396	\$792	\$2,376
83	Mill Creek 1 - Escalation	\$52,077				\$0	\$1,017	\$7,131	\$21,000	\$9,744
84	Total Mill Creek 1	\$283,407				\$0	\$9,531	\$50,549	\$120,617	\$47,331
85										
86	Mill Creek 2 - FGD Upgrade	\$41,250	Jul-11				\$10,313	\$28,875	\$2,063	
87	Mill Creek 2 - SCR	\$97,020	Jul-11				\$2,911	\$27,166	\$29,106	\$35,897
88	Mill Creek 2 - Baghouse	\$80,850	Dec-10			\$8,085	\$28,298	\$40,425	\$4,043	
89	Mill Creek 2 - Electrostatic Precipitator	\$33,000	Dec-10			\$3,300	\$11,550	\$16,500	\$1,650	
90	Mill Creek 2 - PAC Injection	\$4,290	Dec-10			\$429	\$1,502	\$2,360		
91	Mill Creek 2 - SAM Mitigation	\$7,920	Jul-11				\$396	\$792	\$2,376	\$3,960
92	Mill Creek 2 - Escalation	\$45,866				\$903	\$6,566	\$19,070	\$8,271	\$10,332
93	Total Mill Creek 2	\$310,196				\$12,717	\$61,534	\$135,188	\$47,508	\$50,190
94										
97	Mill Creek 3 - FGD (U4 update and tie in)	\$63,750	Apr-13						\$47,813	\$15,938
98	Mill Creek 3 - FGD (Unit 3 Removal)	\$25,500	Apr-13						\$6,375	\$19,125
99	Mill Creek 3 - Baghouse	\$104,125	Jul-11				\$2,083	\$31,238	\$39,568	\$31,238
100	Mill Creek 3 - PAC Injection	\$5,525	Jul-11				\$111	\$1,658	\$2,100	\$1,658
101	Mill Creek 3 - Escalation	\$43,488				\$0	\$262	\$5,402	\$20,206	\$17,617
102	Total Mill Creek 3	\$242,388				\$0	\$2,455	\$38,297	\$116,061	\$85,575
103										
104	Mill Creek 4 - FGD	\$236,250	Dec-10			\$18,900	\$80,325	\$89,775	\$47,250	
105	Mill Creek 4 - SCR Upgrade	\$5,250	Dec-10			\$4,200	\$1,050			
106	Mill Creek 4 - Baghouse	\$131,250	Dec-10			\$5,250	\$45,938	\$52,500	\$27,563	
107	Mill Creek 4 - PAC Injection	\$6,825	Dec-10			\$273	\$2,389	\$2,730	\$1,433	
108	Mill Creek 4 - Ammonia	\$10,500	Dec-10			\$5,250	\$5,250			
109	Mill Creek 4 - Escalation	\$58,596				\$2,588	\$16,121	\$23,815	\$16,073	\$0
110	Total Mill Creek 4	\$448,671				\$36,461	\$151,072	\$168,820	\$92,319	\$0
111										
112	Total Mill Creek	\$1,284,663				\$49,177	\$224,592	\$392,854	\$376,505	\$183,095
113										
114	Trimble									
115	Trimble 1 - Baghouse	\$128,000	Apr-12					\$12,800	\$44,800	\$64,000
116	Trimble 1 - PAC Injection	\$6,451	Apr-13						\$3,226	\$3,226
117	Trimble 1 - Escalation	\$31,635				\$0	\$0	\$2,102	\$10,124	\$17,427
118	Total Trimble 1	\$166,086				\$0	\$0	\$14,902	\$58,149	\$84,653
119										
120	Total Trimble	\$166,086				\$0	\$0	\$14,902	\$58,149	\$84,653
121										
122	Total Environmental Compliance Air - Alternate Plan	\$2,722,961				\$76,733	\$377,241	\$670,080	\$803,294	\$647,111
123										
124										
125	Scope	\$2,274,459								
126	Escalation	\$448,502								
127		\$2,722,961								

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73					
74				\$41,250	\$0
75	\$35,897	\$1,940		\$97,020	\$0
76				\$80,850	\$0
77				\$0	\$0
78				\$4,290	\$0
81	\$3,960	\$396		\$7,920	\$0
83	\$12,340	\$846		\$52,077	\$0
84	\$52,197	\$3,182	\$0	\$283,407	\$0
85					
86				\$41,250	\$0
87	\$1,940			\$97,020	\$0
88				\$80,850	\$0
89				\$33,000	\$0
90				\$4,290	\$0
91	\$396			\$7,920	\$0
92	\$723	\$0		\$45,866	\$0
93	\$3,060	\$0	\$0	\$310,196	\$0
94					
97				\$63,750	\$0
98				\$25,500	\$0
99				\$104,125	\$0
100				\$5,525	\$0
101	\$0			\$43,488	\$0
102	\$0	\$0	\$0	\$242,388	\$0
103					
104				\$236,250	\$0
105				\$5,250	\$0
106				\$131,250	\$0
107				\$6,825	\$0
108				\$10,500	\$0
109				\$58,596	\$0
110	\$0	\$0	\$0	\$448,671	\$0
111					
112	\$55,257	\$3,182	\$0	\$1,284,663	\$0
113					
114					
115	\$6,400			\$128,000	\$0
116				\$6,451	\$0
117	\$1,981			\$31,635	\$0
118	\$8,381	\$0	\$0	\$166,086	\$0
119					
120	\$8,381	\$0	\$0	\$166,086	\$0
121					
122	\$145,319	\$3,182	\$0	\$2,722,961	\$0
123					
124					
125					
126					
127					

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133										
134						3.5%	3.5%	3.5%	3.5%	3.5%
135						1	2	3	4	5

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131					
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133					
134	3.5%	3.5%	3.5%		
135	6	7	8		

	A	B	D	E	F	G	H	I	J	K	L	M	N
1		Environmental Air - CATR by January 2015, NAAQS by January 2016, HAPs by January 2017											
2		\$ in thousands											
3		Capital Cost			2011	2012	2013	2014	2015	2016	2017	2018	Total
4		Alternate Plan											
5	1	Brown 1 - SCR	\$59,000		\$2,950	\$17,700	\$23,600	\$14,750					\$59,000
6	1	Brown 1 - Baghouse	\$34,000		\$1,700	\$11,900	\$13,600	\$6,800					\$34,000
7	1	Brown 1 - SAM Mitigation	\$4,000		\$200	\$1,200	\$1,600	\$1,000					\$4,000
10	1	Brown 2 - SCR	\$92,000		\$9,200	\$34,500	\$43,700	\$4,600					\$92,000
11	1	Brown 2 - SAM Mitigation	\$4,000		\$200	\$1,600	\$2,200						\$4,000
12	1	Ghent 2 - SCR	\$227,000		\$11,350	\$68,100	\$90,800	\$56,750					\$227,000
16	1	Mill Creek 2 - Baghouse	\$80,850		\$8,085	\$28,298	\$40,425	\$4,043					\$80,850
19	1	Mill Creek 2 - Electrostatic Precipitator	\$33,000		\$3,300	\$11,550	\$16,500	\$1,650					\$33,000
20	1	Mill Creek 2 - PAC Injection	\$4,290		\$429	\$1,502	\$2,360						\$4,290
23	1	Mill Creek 4 - FGD	\$236,250		\$18,900	\$80,325	\$89,775	\$47,250					\$236,250
24	1	Mill Creek 4 - SCR Upgrade	\$5,250		\$4,200	\$1,050							\$5,250
28	1	Mill Creek 4 - Baghouse	\$131,250		\$5,250	\$45,938	\$52,500	\$27,563					\$131,250
29	1	Mill Creek 4 - PAC Injection	\$6,825		\$273	\$2,389	\$2,730	\$1,433					\$6,825
30	1	Mill Creek 4 - Ammonia	\$10,500		\$5,250	\$5,250							\$10,500
35	2	Brown 2 - Baghouse	\$34,000			\$1,360	\$10,200	\$10,880	\$10,540	\$1,020			\$34,000
36	2	Mill Creek 1 - Baghouse	\$80,850			\$8,085	\$28,298	\$40,425	\$4,043				\$80,850
37	2	Mill Creek 1 - PAC Injection	\$4,290			\$429	\$1,502	\$2,360					\$4,290
41	2	Mill Creek 2 - FGD Upgrade	\$41,250			\$10,313	\$28,875	\$2,063					\$41,250
42	2	Mill Creek 2 - SCR	\$97,020			\$2,911	\$27,166	\$29,106	\$35,897	\$1,940			\$97,020
46	2	Mill Creek 2 - SAM Mitigation	\$7,920			\$396	\$792	\$2,376	\$3,960	\$396			\$7,920
47	2	Mill Creek 3 - Baghouse	\$104,125			\$2,083	\$31,238	\$39,568	\$31,238				\$104,125
48	2	Mill Creek 3 - PAC Injection	\$5,525			\$111	\$1,658	\$2,100	\$1,658				\$5,525
49	3	Brown 1 - PAC Injection	\$1,599				\$800	\$800					\$1,599
50	3	Brown 3 - Baghouse	\$61,000				\$1,830	\$21,350	\$28,670	\$9,150			\$61,000
53	3	Ghent 1 - Baghouse	\$131,000				\$3,930	\$45,850	\$61,570	\$19,650			\$131,000
55	3	Ghent 2 - Baghouse	\$120,000				\$4,800	\$42,000	\$56,400	\$16,800			\$120,000
56	3	Ghent 3 - Baghouse	\$138,000				\$16,560	\$48,300	\$66,240	\$6,900			\$138,000
57	3	Ghent 4 - Baghouse	\$117,000				\$11,700	\$40,950	\$58,500	\$5,850			\$117,000
58	3	Mill Creek 1 - FGD Upgrade	\$41,250				\$10,313	\$28,875	\$2,063				\$41,250
59	3	Mill Creek 1 - SCR	\$97,020				\$2,911	\$27,166	\$29,106	\$35,897	\$1,940		\$97,020
60	3	Mill Creek 1 - SAM Mitigation	\$7,920				\$396	\$792	\$2,376	\$3,960	\$396		\$7,920
63	3	Trimble 1 - Baghouse	\$128,000				\$12,800	\$44,800	\$64,000	\$6,400			\$128,000
64	4	Brown 2 - PAC Injection	\$2,476					\$1,238	\$1,238				\$2,476
65	4	Brown 3 - PAC Injection	\$5,426					\$1,000	\$3,426	\$1,000			\$5,426
66	4	Ghent 1 - PAC Injection	\$6,380					\$1,000	\$4,380	\$1,000			\$6,380
67	4	Ghent 2 - PAC Injection	\$6,109					\$1,000	\$4,109	\$1,000			\$6,109
68	4	Ghent 3 - PAC Injection	\$6,173					\$3,087	\$3,087				\$6,173
69	4	Ghent 4 - PAC Injection	\$6,210					\$3,105	\$3,105				\$6,210
70	4	Mill Creek 3 - FGD (U4 update and tie in)	\$63,750					\$47,813	\$15,938				\$63,750
71	4	Mill Creek 3 - FGD (Unit 3 Removal)	\$25,500					\$6,375	\$19,125				\$25,500
72	4	Trimble 1 - PAC Injection	\$6,451					\$3,226	\$3,226				\$6,451
73													
74													
75													

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79					3.5%	3.5%	3.5%	3.5%	3.5%	3.5%	3.5%	3.5%	
80					1	2	3	4	5	6	7	8	

From: Hillman, Timothy M.
To: Saunders, Eileen
CC: 168908 E.ON-AQC; Jackson, Audrey; Crabtree, Jonathan D.; Mahabaleshwarkar, Anand; Wehrly, M. R.; Lausman, Rick L.; Hintz, Monty E.; Goodlet, Roger F.; Betz, Alex; Lucas, Kyle J.
Sent: 10/11/2010 10:22:11 AM
Subject: 168908.28.3000 101011 - Action Item List
Attachments: 168908 EON ACTION ITEM LIST.xls

Eileen

Attached is the updated action item list for our weekly Monday conference call.
Regards,

Tim Hillman | Project Manager
Power Generation - Environmental Services
Black & Veatch - Building a World of Difference™
11401 Lamar Avenue
Overland Park, KS 66211
Phone: (913) 458-7928
Email: hillmantm@bv.com

	A	B	C	D	E	F	G	H	J	K	L	M	N
1	ITEM #	SOURCE		DESCRIPTION	FILE NO.	FACILITY	RESPONSIBILITY		DATE ADDED	IG DUE DATE	ARR DUE DATE	COMPL DATE	STATUS
2		DOC/MTNG	DATE				CO.	INITIAL					
3		GENERAL				n--	A						
4	11	KO & MC Site Vi	9/20/10	Evaluate pros and cons of NID system for November tech	14.1000	n--	B&V	AM/□RL	09/21/10	Nov. 2010			In Progress
5	18	Email 41.0100 1	9/29/10	Choose the coal fuel design basis for Mill Creek, Ghent,	41.0100	n--	E.ON	ES	09/30/10	10/06/10			Open
6	4	KO & MC Site Vi	9/20/10	Use B&V file system to set up E.ON document storage	14.1000	n--	E.ON	ES	09/21/10	TBD			In Progress
7	12	KO & MC Site Vi	9/20/10	Schedule vendors for evaluation of existing scrubbers	14.1000	n--	E.ON	ES	09/21/10	TBD			In Progress
8		MILL CREEK				Mill Creek	A						
9	20	Email 22.1000 1	10/5/10	Provide comments on the Mill Creek Project Design Me	22.1000	Mill Creek	E.ON	ES	10/11/10	10/12/10			Open
10	1	KO & MC Site Vi	9/20/10	Determine location for Mill Creek Task 6 Technology Se	14.1000	Mill Creek	E.ON	ES	09/21/10	10/15/10			In Progress
11	16	KO & MC Site Vi	9/20/10	Evaluate the possibility of accelerating the installation of	14.1000	Mill Creek	E.ON & B	ES & □TH	09/21/10	TBD			Open
12		GHENT				Ghent	A						
13	21	Ghent Site Visit	10/11/10	Prepare Ghent Information Request.	41.0100	Ghent	B&V	TH	10/11/10	10/15/10			Open
14		E.W. BROWN				Brown	A						
15	22												
16	23												
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22	29												
23	30												

	O	P	Q	R	S	T	U	V	W	X
	NOTES									
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2										
3										
4	Started - B&V met with Alstom Rep week of 9/13.									
5	Attempting to confirm.									
6	Planning to start set up of file system on 9/28.									
7	Scott Straight and Larry VanGansbeke are the contacts for this (10/4).									
8										
9										
10	Potentially to be held in KC (9/27). May do it in Louisville with Brown K.O mtg (10/4)									
11	B&V email addressed the acceleration of the SCR install for MC 1 & 2 (9/17). E.ON replied no change in direction at this time (9/27).									
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1	ITEM #	SOURCE		DESCRIPTION	FILE NO.	FACILITY	RESPONSIBILITY		DATE ADDED	IG DUE DATE	DARR DUE DATE	COMPL DATE	STATUS
2		DOC/MTNG	DATE				CO.	INITIAL					
3	9	KO & MC Site	9/20/10	Update PIM with Eileen's Ghent contact information	14.1000	--	B&V	MW	09/21/10	09/24/10		09/21/10	Complete
4	8	KO & MC Site	9/20/10	Determine if a Monday, 2 pm EST project conference call	14.1000	--	B&V	TH/□MW	09/21/10	09/23/10		09/21/10	Complete
5	3	KO & MC Site	9/20/10	Provide DVD copy of Phase I Report	14.1000	--	B&V	TH	09/21/10	09/24/10		09/22/10	Complete
6	17	Email 14.1000	9/20/10	Provide E.ON comments on Kick Off Meeting and Mill Creek	14.1000	--	E.ON	ES	09/21/10	09/24/10		09/24/10	Complete
7	2	KO & MC Site	9/20/10	Determine dates for Ghent kick-off meeting	14.1000	Ghent	E.ON	ES	09/21/10	09/23/10		09/27/10	Complete
8	5	KO & MC Site	9/20/10	Provide engineering cost estimate at end of each month	14.1000	n--	B&V	TH	09/21/10	09/30/10		09/28/10	Complete
9	6	KO & MC Site	9/20/10	Create IBackup FTP site for large file transfer	14.1000	--	B&V	KL	09/21/10	09/24/10		09/29/10	Complete
10	10	KO & MC Site	9/20/10	Prepare data inventory and information request	14.1000	Mill Creek	B&V	MW/□JC	09/21/10	09/24/10		09/29/10	Complete
11	13	KO & MC Site	9/20/10	Provide structural steel study assessments	14.1000	n--	E.ON	ES	09/21/10	09/24/10	09/30/10	10/04/10	Complete
12	14	KO & MC Site	9/20/10	Provide minimum access dimension box	14.1000	n--	E.ON	ES	09/21/10	09/24/10	09/30/10	10/04/10	Complete
13	7	KO & MC Site	9/20/10	Determine personnel assignments for document review	14.1000	n--	E.ON	ES	09/21/10	TBD		10/04/10	Complete
14	19	Re: Email 41.01	9/30/10	B&V to provide schedule/deadlines for Mill Creek information	41.0100	Mill Creek	B&V	TH	09/30/10	10/06/10		10/04/10	Complete
15	15	KO & MC Site	9/20/10	Review B&V electrical study conducted in the 1990s	14.1000	Mill Creek	B&V	JB	09/21/10	09/24/10	TBD		Complete
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4	Scheduled					
5	Set received on 9/22					
6	Final issued on 9/24					
7	Scheduled for October 6&7					
8	Sent 9/28.					
9						
10						
11	CD received 9/27. Units 1, 2, and 4 on CD. Unit 3 still needed. Email request sent on 9/28.					
12	CD received 9/27. Access Dimension not included. Email request sent 9/28.					
13	MC - Alex Betz and a couple others at plant. Process in place (10/4)					
14						
15	B&V could not locate study. Added to Data Request. Will review when E.ON provides study.					
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1	<u>E.ON</u>	<u>E.ON U.S. SERVICES INC. COMPANY</u>			
2	AB	Alex Betz			
3	ES	Eileen Saunders			
4	GB	Greg Black			
5	GR	Gary Revlett			
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16	<u>BV</u>	<u>Black & Veatch (B&V)</u>			
17	TH	Tim Hillman			
18	KL	Kyle Lucas			
19	AM	Anand Mahabaleshwarker			
20	MK	Mike King			
21	RL	Rick Lausman			
22	MW	M.R. Wehrly			
23	MH	Monty Hintz			
24	JB	Jim Bayless			
25	JC	Jonathan Crabtree			

From: Hillman, Timothy M.
To: Saunders, Eileen
CC: 168908 E.ON-AQC; Jackson, Audrey; Crabtree, Jonathan D.; Wehrly, M. R.; Lucas, Kyle J.; Smith, Dave
Sent: 10/18/2010 9:43:17 AM
Subject: 168908.41.0100 101018 Ghent Engineering Data Request
Attachments: Ghent Data Index.xls; Ghent Information Request .doc; Ghent Priority List for Info Req 101510.xls; Table 1_02 Water Analysis.doc; Table 1_11 and 1_12 Electrical.doc; Table 1_14 Load Model.doc

Eileen,

Please find attached our Engineering Information Request with Priority List spreadsheet for Ghent. As we did on Mill Creek, we have spent a considerable amount of time researching, cross-referencing with data we already have, and narrowing this list to only those items essential to our work. I have also attached for your information the "Ghent Data Index", which is our current inventory of information that we already have on file for Ghent.

Additionally, as was added to Mill Creek's info request, attached are three word documents with a total of four tables that need to be filled-in for the Project Design Memorandum (PDM), which is scheduled to be sent for E.ON's review late next week. These tables are referenced within the information request. If you prefer, you can just provide the information necessary to fill in the tables and then we will fill them in.

Please don't hesitate to call if you have any questions. I request that you copy M.R. Wehrly and Jonathan Crabtree (copied on this email) on any questions related to this request.

Attachments included:

- Ghent Information Request.doc - Official Request
- Ghent Priority List for Info Req.xls - Info Request organized by priority due date
- Ghent Data Index.xls - Spreadsheet of B&V filed information
- Table 1_02 Water Analysis.doc - Water Analysis Table for PDM
- Table 1_11 and 1_12 Electrical.doc - Electrical Design Data Tables for PDM
- Table 1_14 - Load Model.doc - Recent Operating Information Table for PDM

Best Regards,

Tim Hillman | Project Manager
Power Generation - Environmental Services
Black & Veatch - Building a World of Difference™
11401 Lamar Avenue
Overland Park, KS 66211
Phone: (913) 458-7928
Email: hillmantm@bv.com

	A	B	C	D	E
1	Black & Veatch Information Request Checklist <input type="checkbox"/> for E.ON Phase				
2		<u>Request</u>	<u>Document Description</u>		<u>Drawing #</u>
3	1. Drawings:				
4	a. Site arrangements				
5			Ghent Site Master Master Plan 12/2/2009		GhentSitemaster_dwg
6			Phase II Ash Treatment Basin No. 2		FMSM ATB2 PH-II 3
7			2008 Topographic Map Sh 1 of 7		GH0-C-06605-A
8			2008 Topographic Map Sh 2 of 7		GH0-C-06606-A
9			2008 Topographic Map Sh 3 of 7		GH0-C-06607-A
10			2008 Topographic Map Sh 4 of 7		GH0-C-06608-A
11			2008 Topographic Map Sh 5 of 7		GH0-C-06609-A
12			2008 Topographic Map Sh 6 of 7		GH0-C-06610-A
13			2008 Topographic Map Sh 7 of 7		GH0-C-06611-A
14			Site Development Units 1,2,3, & 4 Rev U		GH-M-00700-0001
15			Development Plan Units 1, 2, 3, & 4 Rev K		GH-M-00700-0002
16			Plant Development Units 1,2,3, & 4 Rev N		GH-M-00700-0003
17			Development Plan Units 1, 2, 3, & 4 Rev B		GH-M-00700-0003D
18			Coal Combustion Product Study Site Arrangement Existing Plant - West End Opt. 1		165856-SM-1202S1
19			Ghent Power Station Master Planning Arr'gt Dwg East & West Side Plans		GH0-M-0001/2
20	b. Plant arrangements				
21			Unit1- General Arrangement - Plan - Main Floor		GH-M-00004
22			Unit1- General Arrangement - Plan - Mezzanine Floor		GH-M-00005
23			Unit1- General Arrangement - Plan - Grade Floor		GH-M-00006
24			Unit1- General Arrangement - Plan - Precipitator Area		GH-M-00007
25			Unit1- General Arrangement - Plan - Misc.		GH-M-00008
26			Unit1- General Arrangement - Cross -Sections - AA & CC		GH-M-00009
27			Unit1- General Arrangement - Cross -Sections - BB		GH-M-00010
28			Unit1- General Arrangement - Longitudinal Section - FF		GH-M-00012
29			Unit1- General Arrangement - Longitudinal Section - GG		GH-M-00013
30			Unit1- General Arrangement - Section - HH		GH-M-00014
31			Unit1/2- General Arrangement - Plan - Main Floor		GH-M-00344
32			Unit1/2- General Arrangement - Plan - Mezzanine Floor		GH-M-00345
33			Unit1/2- General Arrangement - Plan - Grade Floor		GH-M-00346
34			Unit1/2- General Arrangement - Plan - Precipitator Area		GH-M-00347
35			Unit1/2- General Arrangement - Longitudinal Section - EE		GH-M-00351
36			U1 & U2 General Arrangement Precipitator Area Plan		GH-M-00347
37			U1 General Arrangement Cross Section B-B		M-10
38			U1 General Arrangement Turbine Room Elevations D-D & E-E		M-11
39			Unit1- General Arrangement - Longitudinal Section - FF		M-12
40			Unit1- General Arrangement - Longitudinal Section - GG		M-13
41			Unit1- General Arrangement - Section - HH		M-14
42			Unit1/2- General Arrangement - Plan - Main Floor		M-344
43			Unit1/2- General Arrangement - Plan - Mezzanine Floor		M-345
44			Unit1/2- General Arrangement - Plan - Grade Floor		M-346
45			U2 General Arrangement Cross Section AA		M-348

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1	II AQC Study – Ghent	
2	<u>File name</u>	
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4		
5	GhentSitemaster_dwg.pdf	
6	FMSM ATB2 PH-II 3.pdf	
7	GH0-C-06605-A.pdf	
8	GH0-C-06606-A.pdf	
9	GH0-C-06607-A.pdf	
10	GH0-C-06608-A.pdf	
11	GH0-C-06609-A.pdf	
12	GH0-C-06610-A.pdf	
13	GH0-C-06611-A.pdf	
14	GH-M-00700-0001 Rev U.pdf	
15	GH-M-00700-0002 Rev K.pdf	
16	GH-M-00700-0003 Rev N.pdf	
17	GH-M-00700-0003D Rev C.pdf	
18	(13b) 165856-SM-1202S1-RevA.pdf	
19	Plant Layout_TIF.pdf	
20		
21	GH-M-00004 H.pdf	
22	GH-M-00005 H.pdf	
23	GH-M-00006 J.pdf	
24	GH-M-00007 F.pdf	
25	GH-M-00008 H.pdf	
26	GH-M-00009 H.pdf	
27	GH-M-00010 H.pdf	
28	GH-M-00012 H.pdf	
29	GH-M-00013 H.pdf	
30	GH-M-00014 H.pdf	
31	GH-M-00344 B.pdf	
32	GH-M-00345 A.pdf	
33	GH-M-00346 D.pdf	
34	GH-M-00347 C.pdf	
35	GH-M-00351 D.pdf	
36	GH-M-00347.pdf	
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46				U2 General Arrangement Cross Section BB	M-349
47				U1/2 General Arrangement Turbine Room Elevations CC & DD	M-350
48				Unit 1/2- General Arrangement - Longitudinal Section - EE	M-351
49				Unit 1/2- General Arrangement - Longitudinal Section - FF	M-352
50				Unit 1- General Arrangement - Plan - Main Floor	M-4
51				Unit 1- General Arrangement - Plan - Mezzanine Floor	M-5
52				Unit 1- General Arrangement - Plan - Grade Floor	M-6
53				U1 General Arrangement Cross Section A-A & C-C	M-9
54				Unit 3- General Arrangement - Plan - Grade Floor	GH-M-00701-0001
55				Unit 3- General Arrangement - Plan - Mezzanine Floor	GH-M-00701-0002
56				Unit 3- General Arrangement - Plan - Main Floor	GH-M-00701-0003
57				Unit 3- General Arrangement - Plan - @ EL. 564' - 10"	GH-M-00701-0004
58				Unit 3- General Arrangement - Plan - @ EL. 609' - 6"	GH-M-00701-0005
59				Unit 3- General Arrangement - Plan - Misc.	GH-M-00701-0006
60				Unit 3- General Arrangement - Plan - Precipitator Area	GH-M-00701-0008
61				Unit 3 - General Arrangement - Cross -Sections - AA	GH-M-00702-0001
62				Unit 4 - General Arrangement - Cross -Sections - AA	GH-M-00702-0002
63				Unit 4 - General Arrangement - Cross -Sections - CC	GH-M-00702-0003
64				Unit 3 - General Arrangement - Long. -Sections - DD & EE	GH-M-00702-0004
65				Unit 3 - General Arrangement - Long. -Sections - FF	GH-M-00702-0005
66				Unit 3 - General Arrangement - Long. -Sections - GG	GH-M-00702-0006
67				Unit 3 - General Arrangement - Long. -Sections - HH	GH-M-00702-0007
68				Unit 3 - General Arrangement - Precipitator Area Sections	GH-M-00702-0008
69				U3 & U4 General Arrangement Precipitator Area Plan	GH-M-00701-8
70				U3 General Arrangement Cross Section A-A	GH-M-00702-1
71				U4 General Arrangement Cross Section B-B	GH-M-00702-2
72				U4 General Arrangement Cross Section C-C	GH-M-00702-3
73				Unit 3/4- General Arrangement - Plan - Grade Floor	M-701-1
74				Unit 3/4- General Arrangement - Plan - Mezzanine Floor	M-701-2
75				Unit 3/4- General Arrangement - Plan - Main Floor	M-701-3
76				Unit 3/4 - General Arrangement - Cross -Sections - AA	M-702-1
77				Unit 4 - General Arrangement - Cross -Sections - BB	M-702-2
78				Unit 4 - General Arrangement - Cross -Sections - CC	M-702-3
79				Unit 3 /4- General Arrangement - Long. -Sections - DD & EE	M-702-4
80				Unit 3/4 - General Arrangement - Long. -Sections - FF	M-702-5
81				Unit 3/4 - General Arrangement - Long. -Sections - GG	M-702-6
82				Unit 3/4 - General Arrangement - Long. -Sections - HH	M-702-7
83					
84				c. Related P&ID's	
85				U1 Piping Diagram Index & Standard Symbols	GH-M-00085
86				U1/2 Diagram of Main & Reheat Steam Piping	GH-M-00086
87				U1/2 Diagram of Extraction Steam Piping	GH-M-00087
88				U1 Diagram of Boiler Feed Piping	GH-M-00088
89				U1/2 Diagram of Primary Condensate Piping	GH-M-00089-001
90				U1 Diagram of Secondary Condensate Piping	GH-M-00089-002
91				U1 Diagram of Heater Drain Piping	GH-M-00090
92				U1 Diagram of Circulating Water Piping	GH-M-00091

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55	GH-M-00701-0002 K.pdf	
56	GH-M-00701-0003 J.pdf	
57	GH-M-00701-0004 H.pdf	
58	GH-M-00701-0005 G.pdf	
59	GH-M-00701-0006 H.pdf	
60	GH-M-00701-0008 H.pdf	
61	GH-M-00702-0001 J.pdf	
62	GH-M-00702-0002 J.pdf	
63	GH-M-00702-0003 J.pdf	
64	GH-M-00702-0004 F.pdf	
65	GH-M-00702-0005 E.pdf	
66	GH-M-00702-0006 G.pdf	
67	GH-M-00702-0007 J.pdf	
68	GH-M-00702-0008 J.pdf	
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442	GH2-E-23000-25143 A.pdf	
443	GH2-E-23000-25145 A.pdf	
444	GH2-E-23000-25156 A.pdf	
445	GH2-E-23000-25157 A.pdf	
446	GH2-E-23000-25158 A.pdf	
447	GH2-E-23000-25159 A.pdf	
448	GH2-E-23000-25160 A.pdf	
449	GH2-E-23000-25161 A.pdf	
450	GH2-E-23000-25162 A.pdf	
451	GH2-E-23000-25163 A.pdf	
452	GH2-E-23000-25164 A.pdf	
453	GH2-E-23000-25165 A.pdf	
454	GH2-E-23000-25166 A.pdf	
455	GH2-E-23000-25167 A.pdf	
456	GH2-E-23000-25168 A.pdf	
457	GH2-E-23000-25200 A.pdf	
458	GH2-E-23000-25201 A.pdf	
459	GH2-E-23000-25202 A.pdf	
460	GH2-E-23000-25220 B.pdf	
461	GH2-E-23000-25221 A.pdf	
462	GH2-E-23000-25222 A.pdf	
463	GH2-E-23000-25223 A.pdf	
464	GH2-E-23000-25241 B.pdf	
465	GH2-E-23000-25242 B.pdf	
466	GH2-E-23000-25256 A.pdf	
467	GH2-E-23000-25257 A.pdf	
468	GH2-E-23000-25258 A.pdf	

	A	B	C	D	E
469				Unit 2-Electrical Scrubber Cabinet 5DU04J-B REAR BOTTOM Wiring Terminations	GH2-E-23000-25259
470				Unit 2-Electrical Scrubber Cabinet 5DU04J-B REAR TOP Wiring Terminations	GH2-E-23000-25260
471				Unit 2-Electrical Scrubber Cabinet 5DU04J-B REAR BOTTOM Wiring Terminations	GH2-E-23000-25261
472				Unit 2-Electrical Scrubber Cabinet 5DU04J-B REAR TOP Wiring Terminations	GH2-E-23000-25262
473				Unit 2-Electrical Scrubber Cabinet 5DU04J-B REAR BOTTOM Wiring Terminations	GH2-E-23000-25263
474				Unit 2-Electrical Scrubber Cabinet 5DU04J-B REAR TOP Wiring Terminations	GH2-E-23000-25264
475				Unit 2-Electrical Scrubber Cabinet 5DU04J-B REAR BOTTOM Wiring Terminations	GH2-E-23000-25265
476					
477				2. Schedule Information:	
478				a. Planned outage schedule	
479				Outage Schedule for all 6 facilities through 2019	
480				b. Target schedule for having any planned AQC retrofit systems on-line	
481				Estimated Limits and Compliance Dates for New Air Requirement for Ghent	
482				3. Plant Data:	
483				a. Steam generator design information	
484				Basic Plant Size and Operation Data	
485				b. Coal and other fuel specifications and analyses	
486				Fuel properties	
487				Fuel properties (From Phase 1 Design Basis)	
488				c. Flue gas properties	
489				Operating Conditions	
490				d. Existing permitted air emissions limits (tabulated list) or copy of air permit	
491				Basic Emission Limits and Current Emissions	
492				e. Recent responses to EPA Information Collection Requests (ICR) and, if applicable, supporting air emissions test reports	
493					
494				f. Historical air emissions information.	
495				Stack Info, Emissions, Coal Properties, and Operating hours	
496					
497				g. Water analyses and supply information	
498					
499				h. Other water and wastewater information	
500					
501				i. Current NPDES discharge permit	
502					
503				j. Plant performance data including current draft system operating pressures	
504					
505				k. Existing general geotechnical information as available (general information to anticipate foundation types and requirements)	
506				Existing Pipe Rack Foundations	--
507				Limestone Addendum	--
508				Limestone Unloading & River Moorings	--
509				Proposed Central Warehouse	--
510				Proposed Limestone Handling Additions	--
511				Unit 1 FGD & Stack Boaring Location Plan	--
512				Unit 1 FGD & Stack	--
513				Unit 1 SCR Draft Pile Recommendations	--
514				Unit 1 SCR	--
515				Unit 2 SCR Geotechnical Report	--

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469	GH2-E-23000-25259 A.pdf	
470	GH2-E-23000-25260 A.pdf	
471	GH2-E-23000-25261 B.pdf	
472	GH2-E-23000-25262 A.pdf	
473	GH2-E-23000-25263 A.pdf	
474	GH2-E-23000-25264 A.pdf	
475	GH2-E-23000-25265 A.pdf	
476		
477		
478		
479	Maint.Sched.xls	
480		
481	G Estimated Limits_Compliance Dates for New Air Reqs.pdf	
482		
483		
484	EON Power Plant AQCS Information Data Request May 3 2010.xls	
485		
486	Environmental Compliance Proj quality data.xls	
487	Design Basis.xls	
488		
489	EON Power Plant AQCS Information Data Request May 3 2010.xls	
490		
491	EON Power Plant AQCS Information Data Request May 3 2010.xls	
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495	Data for BV2.xls	
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505	ts)	
506	Existing Pipe Rack Foundations Dec 21, 2006.pdf	
507	Limestone Addendum 1 Aug 17,2006.pdf	
508	Limestone Unloading & River Moorings May 15, 2006.pdf	
509	Proposed Central Warehouse July 6, 2005.pdf	
510	Proposed Limestone Handling Additions July 25, 2006.pdf	
511	Unit 1 FGD and Stack Boaring Location Plan.pdf	
512	Unit 1 FGD and Stack.pdf	
513	Unit 1 SCR Draft Pile Recommendations Aug 9, 2002.pdf	
514	Unit 1 SCR Oct 15, 2002.pdf	
515	Unit 2 SCR Geotechnical Report.pdf	

	A	B	C	D	E
516				Unit 3 Absorber Addendum 2 Figure 3 River Bank	--
517				Unit 3 Absorber Addendum 2	--
518				Unit 3 Absorber Addition	--
519				Unit 4 FGD and Exhaust Stack Additions	--
520				Unit 4 Preheater Structure Foundation - Bearing Capacity Evaluation	--
521					
522				I. Underground utility information	
523				U2 Electrical Installation Cathodic Protection Rev F	GH-E-00192-1
524				U2 Electrical Installation Cathodic Protection Rev F	GH-E-00192-2
525				U2 Electrical Installation Cathodic Protection Rev F	GH-E-00192-3
526				U2 Electrical Installation Cathodic Protection Rev B	GH-E-00193
527				U2 Electrical Installation Cathodic Protection Rev K	GH-E-00459
528				Ghent Site Master Master Plan 12/2/2009	GhentSitemaster_dwg
529				Works Below Grade Key Plan Rev C	GH-M-1300-1
530				Works Below Grade Key Plan Rev B	GH-M-1300-2
531				Works Below Grade Rev D	GH-M-1301
532				Works Below Grade Rev D	GH-M-1302
533				Works Below Grade Rev C	GH-M-1303
534				Works Below Grade Rev D	GH-M-1304
535				Works Below Grade Rev D	GH-M-1305
536				Works Below Grade Rev D	GH-M-1306
537				Works Below Grade Rev D	GH-M-1307
538				Works Below Grade Rev D	GH-M-1308
539				Works Below Grade Rev D	GH-M-1309
540				Works Below Grade Rev C	GH-M-1310
541				Works Below Grade Rev C	GH-M-1311
542				Works Below Grade Rev C	GH-M-1312
543				Works Below Grade Rev C	GH-M-1313
544				Works Below Grade Rev C	GH-M-1314
545				Works Below Grade Rev C	GH-M-1315
546				Works Below Grade Rev C	GH-M-1316
547				Works Below Grade Rev C	GH-M-1317
548				Works Below Grade Rev C	GH-M-1318
549				Works Below Grade Rev C	GH-M-1319
550				Works Below Grade Rev C	GH-M-1320
551				Works Below Grade Rev B	GH-M-1321
552				Works Below Grade Rev B	GH-M-1322
553				Plant Development Units 1,2,3,4 Rev N.	GH-M-700-3_DWG
554				Plant Development Units 1,2,3,4 Rev D.	GH-M-700-4_DWG
555					
556				m. Historical plant equipment availability and forced outage rates	
557				Annual Operating Hours by Unit	
558				n. Economic evaluation criteria	
559				Economic Criteria from Phase 1 Report	
560				o. Potential reagent supply sources and quality	
561				Limestone Data	
562				p. Study of ash landfill issues (when available)	

	F	G
516	Unit 3 Absorber Addendum 2 Figure 3 River Bank.pdf	
517	Unit 3 Absorber Addendum 2 November 23, 2005.pdf	
518	Unit 3 Absorber Addition September 14, 2005.pdf	
519	Unit 4 FGD and Exhaust Stack Additions March 27, 2006.pdf	
520	Unit 4 Preheater Structure Foundation - Bearing Capacity Evaluation.pdf	
521		
522		
523	GH-E-00192-1.pdf	
524	GH-E-00192-2.pdf	
525	GH-E-00192-3.pdf	
526	GH-E-00193.pdf	
527	GH-E-00459.pdf	
528	GhentSitemaster_dwg.pdf	
529	GH-M-1300-1.pdf	
530	GH-M-1300-2.pdf	
531	GH-M-1301.pdf	
532	GH-M-1302.pdf	
533	GH-M-1303.pdf	
534	GH-M-1304.pdf	
535	GH-M-1305.pdf	
536	GH-M-1306.pdf	
537	GH-M-1307.pdf	
538	GH-M-1308.pdf	
539	GH-M-1309.pdf	
540	GH-M-1310.pdf	
541	GH-M-1311.pdf	
542	GH-M-1312.pdf	
543	GH-M-1313.pdf	
544	GH-M-1314.pdf	
545	GH-M-1315.pdf	
546	GH-M-1316.pdf	
547	GH-M-1317.pdf	
548	GH-M-1318.pdf	
549	GH-M-1319.pdf	
550	GH-M-1320.pdf	
551	GH-M-1321.pdf	
552	GH-M-1322.pdf	
553	GH-M-700-3_DWG.pdf	
554	GH-M-700-4_DWG.pdf	
555		
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557	Data for BV2.xls	
558		
559	G Economic Criteria.xls	
560		
561	Environmental Compliance Proj quality data.xls	
562		

	A	B	C	D	E
563			q. Past AQC studies		
564			4. Air Regulations and Compliance Matrix		
565			a. E.ON developed unit specific future regulations and compliance matrix with existing AQC technologies.		

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Black & Veatch Information Requests for E.ON Phase II AQC Study – Ghent

As stated in task 1 of our Phase II proposal, “obtain or identify key site specific drawings, plant performance data, and existing equipment information not previously collected.” Please provide the following remaining information requests listed below for each of the units, unless stated otherwise.

1. Drawings:
 - a. ~~Site arrangements~~
 - b. ~~Plant arrangements~~
 - c. Related P&ID’s for each unit (Provide the following systems: Station/service air, control/instrument air, service water, and potable/city water)
 - d. ~~Boiler and AQC equipment plan and elevation drawings~~
 - e. ~~Draft fan drawings and performance curves~~
 - f. ~~One-line diagram(s)~~
 - g. ~~Water mass balance diagrams~~
 - h. ~~Drawings of the existing chimney~~
2. ~~Schedule Information:~~
 - a. ~~Planned outage schedule~~
 - b. ~~Target schedule for having any planned AQC retrofit systems on-line~~
3. Plant Data:
 - a. ~~Steam generator design information~~
 - b. ~~Coal and other fuel specifications and analyses~~
 - c. ~~Flue gas properties~~
 - d. ~~Existing permitted air emissions limits (tabulated list) or copy of air permit~~
 - e. Recent responses to EPA Information Collection Requests (ICR) and, if applicable, supporting air emissions test reports
 - f. ~~Historical air emissions information.~~
 - g. Water analyses and supply information for Ohio River, City Water and Well Water (REFER TO TABLE 1-2 FOR THE PDM)
 - h. ~~Other water and wastewater information~~
 - i. Current NPDES discharge permit
 - j. ~~Plant performance data including current draft system operating pressures~~
 - k. ~~Existing general geotechnical information as available (general information to anticipate foundation types and requirements)~~
 - l. ~~Underground utility information~~
 - m. Recent operating information for load model (REFER TO TABLE 1-14 FOR THE PDM)
 - n. ~~Economic evaluation criteria~~
 - o. ~~Limestone quality analysis~~
 - p. ~~Study of ash landfill issues (when available)~~
4. Air Regulations and Compliance Matrix
 - a. ~~E.ON developed unit specific future regulations and compliance matrix with existing AQC technologies.~~

Additionally, please provide information and responses for the following discipline specific requests and questions.

Environmental

1. CEM Quarterly Data for first and second quarters of 2010.
2. Recent Particulate Emission Test Report (If available)
3. Current Mercury Testing Results (If available)
4. SO₃/H₂SO₄ emission test information from August and September 2010.
5. SCR Module Location Study - Unit 2

Civil/Structural

1. Drawings for superstructure and foundations supporting the SCR at Unit 1, in particular the steel tower on the north side of Unit 1.
2. Drawings for superstructures and foundations for coal conveyor and bents running north/south from Unit 3 over Unit 2 to Unit 1, east side of Units.
3. Foundation drawings for existing AQCS area (ID fans, ESP, and duct supports) for Unit 2 east of Unit 2 boiler.
4. Underground utilities information in courtyard area.
5. Tank foundations and underground piping in area of tanks west of shop area.
6. Drawings for superstructure and foundations for maintenance shop, breezeway, and skyway at west edge of courtyard.

Electrical and Control

1. Fill in Electrical Design Data (REFER TO TABLE 1-11 & 1-12 FOR THE PDM.)
2. Provide DCS network or architecture drawings for each unit.
3. Verify AQC equipment is controlled from the DCS.
4. General arrangement and layout drawings of UATs, RATs, and GSUs.
5. General arrangement and layout drawings of the entire existing substation/HV switchyard.
6. For all units current auxiliary power bus loads for major switchgear.
7. Provide maximum running amps on each of 13.8 and 4 kV switchgear main breakers.

Mechanical/Chemical

1. Cooling tower drawings and performance data. – Unit 2
2. Circulating Water system information for Unit 2 – (circulating water P&IDs, CW pump motor data, and CW pump curves)
3. Ammonia system information – (ammonia P&IDs, forwarding system, piping, and tank drawings)

Steam Generation, Boiler, and Fans, Draft System

1. Fan Data
 - a. ID fan motor drawing – Unit 1, 2, 3, 4
 - b. ID fan motor data sheet, nameplate – Unit 2, 3, 4
 - c. ID fan VFD data sheet and/or the following – Unit 1, 2
 - Manufacturer
 - Model name/number
 - Arrangement drawing
 - d. Typical and Maximum ID fan operating speeds – Unit 1, 2
 - e. ID Fan arrangement drawing – Unit 4
 - f. List of any major modifications or repairs made to any existing FD or ID Fans - All units, if any
2. Duct Drawings
 - a. Precipitator to Air Heater ductwork transient design pressures in units of inches of water gauge – Unit 2
 - b. Air Heater to ID fan ductwork transient design pressures in units of inches of water gauge – Unit 2
 - c. ID fan to WFGD ductwork transient design pressures in units of inches of water gauge – Unit 1, 2, 3, 4
 - d. Ductwork drawing: SCR Arrangement – Unit 3
3. Air Heaters
 - a. Air heater transient design pressures in units of inches of water gauge – Unit 1, 2, 3, 4
 - b. Air heater leakage percentage and/or the following – Unit 1, 2, 3, 4
 - Air heater gas outlet oxygen volumetric percentage, wet basis
 - Or Air heater gas outlet oxygen volumetric percentage, dry basis
 - c. General arrangement drawings
 - d. Original / Operating performance data (data sheets)

4. Steam Coil Air Heaters - if any
 - a. Original data sheets
 - b. General arrangement drawings
5. SCR System
 - a. SCR transient design pressures in units of inches of water gauge – Units 1, 3, 4
6. Boiler
 - a. Boiler steam cycle heat balance – Unit 1, 2, 3, 4
 - b. Boiler loss on ignition (LOI) percentage – Unit 1, 2, 3, 4
 - c. Boiler transient design pressures in units of inches of water gauge – Unit 1, 2, 3, 4
 - d. Excess air percentage at economizer outlet and/or the following – Unit 1, 2, 3, 4
 - Economizer outlet oxygen volumetric percentage, wet basis
 - Or Economizer outlet oxygen volumetric percentage, dry basis
7. Precipitators (ESP's)
 - a. Precipitator transient design pressures in units of inches of water gauge – Unit 1, 2, 3, 4
 - b. Precipitator leakage percentage and/or the following – Unit 1, 2, 3, 4
 - Precipitator gas outlet oxygen volumetric percentage, wet basis
 - Or Precipitator gas outlet oxygen volumetric percentage, dry basis
8. Stack
 - a. Stack gas outlet oxygen or carbon dioxide volumetric percentage, wet basis
 - b. Or Stack gas outlet oxygen or carbon dioxide volumetric percentage, dry basis
9. FGD Scrubbers
 - a. Scrubber transient design pressures in units of inches of water gauge – Unit 1, 2, 3, 4

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1	Oct/2010#2 = 05/Nov/2010#3 = 12/	
2	Priority	Section/ Discipline
3	1	Boiler/Fans
4	1	Boiler/Fans
5	1	Boiler/Fans
6	1	Boiler/Fans
7	1	Boiler/Fans
8	1	Boiler/Fans
9	1	Boiler/Fans
10	1	Boiler/Fans
11	1	Civil/Struct
12	1	Civil/Struct
13	1	Civil/Struct
14	1	EE/ Cntrl
15	1	EE/ Cntrl
16	1	Environmental
17	2	Boiler/Fans
18	2	Boiler/Fans
19	2	Civil/Struct
20	2	Civil/Struct
21	2	Civil/Struct
22	2	EE/ Cntrl
23	2	EE/ Cntrl
24	2	EE/ Cntrl
25	2	Mech/Chem
26	2	Mech/Chem
27	3	3. Plant Data
28	3	Boiler/Fans
29	3	Boiler/Fans
30	3	Boiler/Fans
31	3	Boiler/Fans
32	3	Boiler/Fans
33	3	Boiler/Fans
34	3	EE/ Cntrl
35	3	Environmental
36	3	Environmental
37	3	Environmental
38	3	Environmental
39	4	1. Drawings
40	4	3. Plant Data
41	4	3. Plant Data
42	4	3. Plant Data
43	4	Boiler/Fans
44	4	Boiler/Fans
45	4	Boiler/Fans
46	4	Boiler/Fans

C		D
Priority List for B&V Information Request - Ghent 101510for E.ON Phase II AQC Study		
1		
2	Request	Responsibility
3	1. Fan Data d. Typical and Maximum ID fan operating speeds – Unit 1, 2	
4	3. Air Htr b. Air heater leakage percentage and/or air heater gas outlet oxygen percentage (wet and/or dry bases) – Unit 1, 2, 3, 4	
5	3. Air Htr d. Original / Operating performance data (data sheets) – Unit 1, 2, 3, 4	
6	6. Boiler a. Boiler steam cycle heat balance – Unit 1, 2, 3, 4	
7	6. Boiler b. Boiler loss on ignition (LOI) percentage – Unit 1, 2, 3, 4	
8	6. Boiler d. Excess air percentage at economizer outlet and/or Economizer outlet oxygen percentage (wet and/or dry bases)– Unit 1, 2, 3, 4	
9	7. ESPs b. Precipitator leakage percentage and/or Precipitator gas outlet oxygen percentage (wet and/or dry bases)– Unit 1, 2, 3, 4	
10	8. Stack a. Stack gas outlet oxygen or carbon dioxide percentage, (wet and/or dry bases) – Unit 1, 2, 3, 4	
11	1. Drawings for superstructure and foundations supporting the SCR at Unit 1, in particular the steel tower on the north side of Unit 1.	
12	2. Drawings for superstructures and foundations for coal conveyor and bents running north/south from Unit 3 over Unit 2 to Unit 1, east side of Units.	
13	3. Foundation drawings for existing AQCS area (ID fans, ESP, and duct supports) for Unit 2 east of Unit 2 boiler.	
14	3. Verify AQC equipment is controlled from the DCS.	
15	4. General arrangement and layout drawings of UATs, RATs, and GSUs.	
16	1. SCR Module Location Study - Unit 2	
17	1. Fan Data b. ID fan motor data sheet, nameplate – Unit 2, 3, 4	
18	3. Air Htr c. General arrangement drawings – Unit 1, 2, 3, 4	
19	4. Underground utilities information in courtyard area.	
20	5. Tank foundations and underground piping in area of tanks west of shop area.	
21	6. Drawings for superstructure and foundations for maintenance shop, breezeway, and skyway at west edge of courtyard.	
22	2. Provide DCS network or architecture drawings for each unit.	
23	6. For all units current auxiliary power bus loads for major switchgear.	
24	7. Provide maximum running amps on each of 13.8 and 4 kV switchgear main breakers	
25	1. Cooling tower drawings and performance data. – Unit 2	
26	2. Circulating Water system information for Unit 2 – (circulating water P&IDs, CW pump motor data, and CW pump curves)	
27	e. Recent responses to EPA Information Collection Requests (ICR) and, if applicable, supporting air emissions test reports.	
28	1. Fan Data f. List of any major modifications or major repairs made to any existing FD, ID or Booster fans – All units, if any.	
29	3. Air Htr a. Air heater transient design pressures in units of inches of water gauge – Unit 1, 2, 3, 4	
30	5. SCR Sys a. SCR transient design pressures in units of inches of water gauge – Unit 1,3, & 4	
31	6. Boiler c. Boiler transient design pressures in units of inches of water gauge – Unit 1, 2, 3, 4	
32	7. ESPs a. Precipitator transient design pressures in units of inches of water gauge – Unit 1, 2, 3, 4	
33	9. FGDs a. Scrubber transient design pressures in units of inches of water gauge – Unit 1, 2, 3, 4	
34	5. General arrangement and layout drawings of the entire existing substation/HV switchyard.	
35	1. CEM Quarterly Data for first and second quarters of 2010.	
36	2. Recent Particulate Emission Test Report (If available)	
37	3. Current Mercury Testing Results (If available)	
38	4. SO3/H2SO4 emission test information from August and September 2010.	
39	c. Related P&ID's for each unit (Provide the following systems: Station/service air, control/instrument air, service water, and potable/city water)	
40	g. Water analyses and supply information for Ohio River, City Water and Well Water (Refer to Table 1-2 for the PDM.)	
41	i. Current NPDES discharge permit	
42	m. Recent operating information for load model (Refer to Table 1-14 for the PDM)	
43	1. Fan Data a. ID fan motor drawing – Unit 1, 2, 3, 4	
44	1. Fan Data c. ID fan VFD data sheet and/or the following – Unit 1, 2 (Manufacturer, Model name/#, Arrgmt drawing)	
45	1. Fan Data e. ID fan arrangement drawing – Unit 4	
46	2. Duct Dwgs a. Precipitator to Air Heater ductwork transient design pressures in units of inches of water gauge – Unit 2	

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	A	B
47	4	Boiler/Fans
48	4	Boiler/Fans
49	4	Boiler/Fans
50	4	Boiler/Fans
51	4	Boiler/Fans
52	4	Civil/Struct
53	4	EE/ Cntrl
54	4	Mech/Chem

	C	D
47	2. Duct Dwgs b. Air Heater to ID fan ductwork transient design pressures in units of inches of water gauge – Unit 2	
48	2. Duct Dwgs c. ID fan to WFGD ductwork transient design pressures in units of inches of water gauge – Unit 1, 2, 3, 4	
49	2. Duct Dwgs d. Ductwork drawing: SCR Arrangement – Unit 3	
50	4. SC Air Htr a. Steam Coil Air Heaters (if any) - Original data sheets – Unit 1, 2, 3, 4	
51	4. SC Air Htr b. Steam Coil Air Heaters (if any) - General arrangement drawings – Unit 1, 2, 3, 4	
52	7. Provide plant access standards (minimum height and width) for roadways, specifically overhead clearances required in the courtyard.	
53	1. Fill in Electrical Design Data (Refer to Table 1-11 & 1-12 for the PDM.)	
54	3. Ammonia system information – (ammonia P&IDs, forwarding system, piping, and tank drawings)	

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Table 1-2
Design Basis Water Analysis
[E.ON TO PROVIDE]

Constituent	Well Water	City Water	Ohio River Water
	mg/L as such	mg/L as such	mg/L as such
Calcium			
Magnesium			
Sodium			
Potassium			
Total Cations, mg/L as CaCO ₃			
M-alkalinity, mg/L as CaCO ₃			
Sulfate			
Chloride			
Nitrate			
Silica			
Total Anions, mg/L as CaCO ₃			
pH (range)			
Specific Conductance, μ S/cm			
Temperature (range), °F			
Total Suspended Solids			
Total Dissolved Solids			
Turbidity, NTU			
Color, PCU			
Total Phosphate, mg/l as PO ₄			
Aluminum			
Barium			
Boron			
Cadmium			
Chromium			
Copper			
Iron			
Manganese			
Nickel			
Strontium			
Zinc			
References:			
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Table 1-11			
Electrical Design Data			
[TO BE PROVIDED (TBP) BY E.ON]			
Design Parameter	Min	Max	Units
Available system fault current at electrical system interface point.			
• 345 KV System	TBP	TBP	amps
• 25 KV System	TBP	TBP	amps
• 22 KV System	TBP	TBP	amps
• 13.8 KV System	TBP	TBP	amps
• 4.16 KV System	TBP	TBP	amps
• 480 V System	TBP	TBP	amps

Table 1-12 Electrical Equipment and System Voltages [TO BE PROVIDED (TBP) BY E.ON]							
	Continuo us Voltage (Volts)	Momentary Voltage Dip	Frequency (Hz)		System Neutral Grounding	Transfer to Alternate Source	Max Sym Short-Circuit at Max Voltage (Amps)
Power Supply Code	Nom	% of Nominal	Nominal	Configuration	Type	Method	3-Phase Phase –Ground
25 kv Buses A & B	25,000	TBP	60	3-phase, 3-wire, Wye	TBP	TBP	(Later)
GEN-1 Generator (Existing)	22,000	TBP	60	3-phase, 3-wire, Wye	High Resistance	N/A	(Later)
MV-1 Medium Voltage (Existing)	4,160	TBP	60	3-phase, 3-wire, Wye	Low Resistance	TBP	(Later)
MV-2 Medium Voltage (Existing)	13,800	TBP	60	3-phase, 3-wire, Wye	TBP	TBP	(Later)
LV-1 Low Voltage (Power)	480	80	60	3-phase, 3-wire, Delta - Delta	High Resistance	TBP	(Later)
LV-2 Low Voltage (Lighting)	480Y/277	80	60	3-phase, 4-wire, Wye	Solidly Grounded	N/A	(Later)
LV-3 Low Voltage (Power)	208Y/120	80	60	3-phase, 4-wire, Wye	Solidly Grounded	N/A	(Later)
UPS-1 UPS Power	120	80	60	Single phase, 2-wire	Solidly Grounded	Static ½ Cycle	(Later)
DC-1 DC Power	125	70	0	Two-Pole	Ungrounded	N/A	(Later)
CP-1 Control Power (AC)	120	80	60	Single-Phase, 2-Wire	Solidly Grounded	N/A	(Later)

Table 1-14 Load Model [E.ON TO PROVIDE]					
<u>Unit #</u>	<u>Unit Load Percent (%) MCR</u>	<u>Unit Gross Output/MW</u>	<u>Unit Net Output/MW</u>	<u>Operating Hours- Hours/year</u>	<u>Net MW Hours/year</u>
Unit 1	100 90 80 75 Offline Total				
Unit 2	100 90 80 75 Offline Total				
Unit 3	100 90 80 75 Offline Total				
Unit 4	100 90 80 75 Offline Total				

From: Hillman, Timothy M.
To: Saunders, Eileen
CC: 168908 E.ON-AQC; Jackson, Audrey; Crabtree, Jonathan D.; Mahabaleshwarkar, Anand; Wehrly, M. R.; Lausman, Rick L.; Hintz, Monty E.; Goodlet, Roger F.; Betz, Alex; Lucas, Kyle J.; Smith, Dave
Sent: 10/18/2010 9:57:04 AM
Subject: 168908.28.3000 101018 - Action Item List
Attachments: 168908 EON ACTION ITEM LIST.xls

Eileen,

Attached is the updated action item list for our weekly Monday conference call.

Regards,

Tim Hillman | Project Manager
Power Generation - Environmental Services
Black & Veatch - Building a World of Difference™
11401 Lamar Avenue
Overland Park, KS 66211
Phone: (913) 458-7928
Email: hillmantm@bv.com

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1	ITEM #	SOURCE		DESCRIPTION	FILE NO.	FACILITY	RESPONSIBILITY		DATE ADDED	IG DUE DATE	DRR DUE DATE	COMPL DATE	STATUS
2		DOC/MTNG	DATE				CO.	INITIAL					
3		GENERAL				n--	A						
4	11	KO & MC Site Vi	9/20/10	Evaluate pros and cons of NID system for November tec	14.1000	n--	B&V	AM/RL	09/21/10	Nov. 2010			In Progress
5	18	Email 41.0100 1	9/29/10	Choose the coal fuel design basis for Mill Creek, Ghent.	41.0100	n--	E.ON	ES	09/30/10	10/06/10		10/11/10	Complete?
6	4	KO & MC Site Vi	9/20/10	Use B&V file system to set up E.ON document storage	14.1000	n--	E.ON	ES	09/21/10	TBD			In Progress
7	12	KO & MC Site Vi	9/20/10	Schedule vendors for evaluation of existing scrubbers	14.1000	n--	E.ON	ES	09/21/10	TBD			In Progress
8		MILL CREEK				Mill Creek	A						
9	20	Email 22.1000 1	10/5/10	Provide comments on the Mill Creek Project Design Mer	22.1000	Mill Creek	E.ON	ES	10/11/10	10/12/10			In Progress
10		GHENT				Ghent	A						
11	22	Email 14.1000 1	10/12/10	Provide E.ON comments on Ghent Site Visit meeting n	14.1000	Ghent	E.ON	ES	10/15/10	10/19/10			Open
12		E.W. BROWN				Brown	A						
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4	Anand discussed maintenance challenges and offered a powerpoint presentation (10/11).					
5	Use future coal. (10/11)					
6	Audrey is working on it (10/11).					
7	To be scheduled week of 10/25. B&V requested to be included in debriefing w/ each vendor.					
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9	Eileen's comments provided on 10/12. Sent to Alex for further comments.					
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1	ITEM #	SOURCE		DESCRIPTION	FILE NO.	FACILITY	RESPONSIBILITY		DATE ADDED	IG DUE DATE	DARR DUE DATE	COMPL DATE	STATUS
2		DOC/MTNG	DATE				CO.	INITIAL					
3	9	KO & MC Site	9/20/10	Update PIM with Eileen's Ghent contact information	14.1000	--	B&V	MW	09/21/10	09/24/10		09/21/10	Complete
4	8	KO & MC Site	9/20/10	Determine if a Monday, 2 pm EST project conference call	14.1000	--	B&V	TH/MW	09/21/10	09/23/10		09/21/10	Complete
5	3	KO & MC Site	9/20/10	Provide DVD copy of Phase I Report	14.1000	--	B&V	TH	09/21/10	09/24/10		09/22/10	Complete
6	17	Email 14.1000	9/20/10	Provide E.ON comments on Kick Off Meeting and Mill Creek	14.1000	--	E.ON	ES	09/21/10	09/24/10		09/24/10	Complete
7	2	KO & MC Site	9/20/10	Determine dates for Ghent kick-off meeting	14.1000	Ghent	E.ON	ES	09/21/10	09/23/10		09/27/10	Complete
8	16	KO & MC Site	9/20/10	Evaluate the possibility of accelerating the installation of	14.1000	Mill Creek	E.ON & B&V	ES & TH	09/21/10	TBD		09/27/10	Complete
9	5	KO & MC Site	9/20/10	Provide engineering cost estimate at end of each month	14.1000	n--	B&V	TH	09/21/10	09/30/10		09/28/10	Complete
10	6	KO & MC Site	9/20/10	Create IBackup FTP site for large file transfer	14.1000	--	B&V	KL	09/21/10	09/24/10		09/29/10	Complete
11	10	KO & MC Site	9/20/10	Prepare data inventory and information request	14.1000	Mill Creek	B&V	MW/JC	09/21/10	09/24/10		09/29/10	Complete
12	13	KO & MC Site	9/20/10	Provide structural steel study assessments	14.1000	n--	E.ON	ES	09/21/10	09/24/10	09/30/10	10/04/10	Complete
13	14	KO & MC Site	9/20/10	Provide minimum access dimension box	14.1000	n--	E.ON	ES	09/21/10	09/24/10	09/30/10	10/04/10	Complete
14	7	KO & MC Site	9/20/10	Determine personnel assignments for document review	14.1000	n--	E.ON	ES	09/21/10	TBD		10/04/10	Complete
15	19	Re: Email 41.01	9/30/10	B&V to provide schedule/deadlines for Mill Creek inform	41.0100	Mill Creek	B&V	TH	09/30/10	10/06/10		10/04/10	Complete
16	1	KO & MC Site	9/20/10	Determine location for Mill Creek Task 6 Technology Se	14.1000	Mill Creek	E.ON	ES	09/21/10	10/15/10		10/12/10	Complete
17	21	Ghent Site Visit	#####	Prepare Ghent Information Request.	41.0100	Ghent	B&V	TH	10/11/10	10/15/10		10/18/10	Complete
18	15	KO & MC Site	9/20/10	Review B&V electrical study conducted in the 1990s	14.1000	Mill Creek	B&V	JB	09/21/10	09/24/10	TBD	10/18/10	Complete
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4	Scheduled									
5	Set received on 9/22									
6	Final issued on 9/24									
7	Scheduled for October 6&7									
8	B&V email addressed the acceleration of the SCR install for MC 1 & 2 (9/17). E.ON replied no change in direction at this time (9/27).									
9	Sent 9/28.									
10										
11										
12	CD received 9/27. Units 1, 2, and 4 on CD. Unit 3 still needed. Email request sent on 9/28.									
13	CD received 9/27. Access Dimension not included. Email request sent 9/28.									
14	MC - Alex Betz and a couple others at plant. Process in place (10/4)									
15										
16	MC Technology selection meeting to be held in Louisville on 11/9 with Brown KO mtg on 11/10&11.									
17										
18	B&V could not locate study. Added to Data Request. Will review when E.ON provides study.									
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