

Non-Time-Critical Concurrence

Area: Grid 9-A, 10-B and Portions of Grids 9-B and 10-C

Agreement:

All practical ash removal has been completed in the Middle Embayment area delineated by portions of Grid 9-A, 10-B, portion of Grid 9-B, and portion of Grid 10-C as shown on the attached Figure 1. This area was excavated to remove ash adjacent to Swan Pond Road prior to buttressing of road slope and clean haul road construction activities. Ash removal excavation was restricted to the maximum excavation that still maintained a safe support slope angle to assure the stability of Swan Pond Road. After excavation, cleaned areas were backfilled with quarried rock, areas with ash remaining after excavating to the safe support slope were covered as described in Task Order 407.

During ash removal operations, daily quality assurance was performed to visually determine the removal of the ash, progress was photo documented, operational soil sampling was conducted prior to releasing the area for concurrence sampling, and removing the area from excavation and cleaning operations. Concurrence samples were submitted to RJ Lee Laboratory for determination of ash content by polarized light microscopy. Sample results ranged from non-detect to a maximum of 13% ash content and are attached as the EQUIS Database Summary Table.

The location of the samples and the boundary of the area cleared are shown on the attached Figure 1.

No further action is needed to remove ash from this area.

Attachments:

Attachment 1, Middle Embayment Sampling Status Table

Attachment 2, Polarized Light Microscopy Results from RJ Lee Laboratory, EQUIS Database Summary Table

Attachment 3, Selected Daily Quality Assurance Reports

Attachment 4, RSI Geoprobe Drill Data

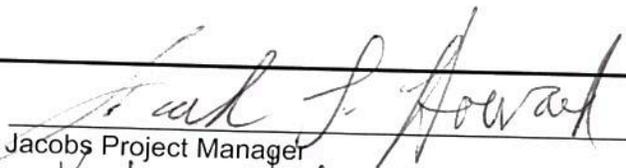
Attachment 5, Field Photography Log and Representative Photographs

Figures:

Figure 1, North Embayment Grids - Cleared

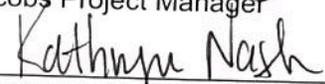
Figure 2, FIG-NESAM-02, North Embayment Sample Grid Locations

Concurrence Comments:



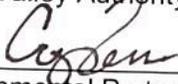
Jacobs Project Manager

11-14-2012
Date



Tennessee Valley Authority

11/19/12
Date



U. S. Environmental Protection Agency

12/06/12
Date

Attachment 1

Middle Embayment Sampling Status Table

Middle Embayment Sampling

KIF-MEMBAY_SWB.01-SED-062812-A	9-A	Y	06/28/2012	<50%	Passed	Yes	ND	0.0%
KIF-MEMBAY_SWB.02-SED-062112-A	9-A	Y	06/21/2012	<50%	Passed	Yes	2	2.0%
KIF-MEMBAY_SWB.03-SED-062112-A	9-A	Y	06/21/2012	<50%	Passed	Yes	1	1.0%
KIF-MEMBAY_SWB.04-SED-062812-A	9-A	Y	06/28/2012	<50%	Passed	Yes	ND	0.0%
KIF-MEMBAY_SWB.05-SED-062112-A	9-A	N	06/21/2012	>50%	Failed	No	N/A	N/A
KIF-MEMBAY_SWB.05-SED-062812-A	9-A	Y	06/28/2012	<50%	Passed	Yes	ND	0.0%
KIF-MEMBAY_SWB.06-SED-062112-A	9-A	Y	06/21/2012	<50%	Passed	Yes	3	3.0%
KIF-MEMBAY_SWB.07-SED-070212-A	9A	Y	07/02/2012	<50%	Passed	Yes	1	1.0%
KIF-MEMBAY_SWB.08-SED-062312-A	9-A	N	06/23/2012	>50%	Failed	No	N/A	N/A
KIF-MEMBAY_SWB.08-SED-070212-A	9B	Y	07/02/2012	<50%	Passed	Yes	ND	0.0%
KIF-MEMBAY_SWB.09-SED-062312-A	9-A	Y	06/23/2012	<50%	Passed	Yes	4	4.0%
KIF-MEMBAY_SWB.10-SED-070212-A	9B	Y	07/02/2012	<50%	Passed	Yes	1	1.0%
KIF-MEMBAY_SWB.11-SED-062312-A	9-A	Y	06/23/2012	<50%	Passed	Yes	13	13.0%
KIF-MEMBAY_SWB.12-SED-062312-A	9-A	Y	06/23/2012	<50%	Passed	Yes	4	4.0%
KIF-MEMBAY_SWB.13-SED-070212-A	9B	Y	07/02/2012	<50%	Passed	Yes	ND	0.0%
KIF-MEMBAY_SWB.14-SED-071712-A	9B	Y	07/17/2012	<50%	Passed	Yes	ND	0.0%
KIF-MEMBAY_SWB.15-SED-071712-A	9B	Y	07/17/2012	<50%	Passed	Yes	4	4.0%
KIF-MEMBAY_SWB.16-SED-071712-A	10B	Y	07/17/2012	<50%	Passed	Yes	1	1.0%
KIF-MEMBAY_SWB.17-SED-071712-A	10B	Y	07/17/2012	<50%	Passed	Yes	1	1.0%
KIF-MEMBAY_SWB.18-SED-072612-A	9B	Y	07/26/2012	<50%	Passed	Yes	ND	0.0%
KIF-MEMBAY_SWB.19-SED-072612-A	10B	Y	07/26/2012	<50%	Passed	Yes	ND	0.0%
KIF-MEMBAY_SWB.20-SED-072612-A	10B	Y	07/26/2012	<50%	Passed	Yes	10	10.0%
KIF-MEMBAY_SWB.21-SED-072612-A	10B	Y	07/26/2012	<50%	Passed	Yes	ND	0.0%
KIF-MEMBAY_SWB.22-SED-072612-A	10B	Y	07/26/2012	<50%	Passed	Yes	ND	0.0%
KIF-MEMBAY_SWB.23-SED-072612-A	10B	Y	07/26/2012	<50%	Passed	Yes	ND	0.0%
KIF-MEMBAY_SWB.24-SED-072612-A	10C	Y	07/26/2012	<50%	Passed	Yes	ND	0.0%
KIF-MEMBAY_SWB.25-SED-080112-A	10C	Y	08/01/2012	<50%	Passed	Yes	ND	0.0%
KIF-MEMBAY_SWB.26-SED-080112-A	10C	Y	08/01/2012	<50%	Passed	Yes	ND	0.0%
KIF-MEMBAY_SWB.27-SED-081512-A	10C	Y	08/15/2012	<50%	Passed	Yes	2	2.0%
KIF-MEMBAY_SWB.28-SED-080112-A	10C	Y	08/01/2012	<50%	Passed	Yes	ND	0.0%
KIF-MEMBAY_SWB.29-SED-080112-A	10C	Y	08/01/2012	<50%	Passed	Yes	ND	0.0%
KIF-MEMBAY_SWB.30-SED-081512-A	10C	Y	08/15/2012	<50%	Passed	Yes	ND	0.0%

Attachment 2

**Polarized Light Microscopy Results from RJ Lee Laboratory
EQUIS Database Summary Table**

Attachment 2
Polarized Light Microscopy Results
from RJ Lee Laboratory

EQuIS Database Summary Table

sample_name	sample_type_code	start_depth	end_depth	depth_unit	field_matrix_code	analysis_location	lab_sample_id	analytic_method	analysis_date	test_type	basis	cas_nm	report_result_text	report_result_value	report_result_unit	reportable_result	detect_flag	validator_qualifiers	lab_qualifiers	reporting_detection_limit	result_type_code	longitude	latitude	sample_reason	EDD_Status	sample_date	sample_method	dilution_factor	result_remarks		
KIF-MEMBAY_SWB.01-AED-062812-B	FD	0	12	in	SED LB	10206727	PLM	7/5/2012	INITIAL	Dry	%ASH	< 1	1 %	1	Y	N	U	U	1	TRG	-84.514782	35.916253	Investigatory	Final-Verified	6/28/2012	GRAB					
KIF-MEMBAY_SWB.01-SED-062812-B	N	0	12	in	SED LB	10206722	PLM	7/5/2012	INITIAL	Dry	%ASH	< 1	1 %	1	Y	N	U	U	1	TRG	-84.514782	35.916253	Investigatory	Final-Verified	6/28/2012	GRAB			1 Brown granular sediment		
KIF-MEMBAY_SWB.02-SED-062112-B	N	0	12	in	SED LB	10206412	PLM	7/3/2012	INITIAL	Dry	%ASH	2	2 %	1	Y	Y					TRG	-84.514656	35.916358	Investigatory	Final-Verified	6/21/2012	GRAB			1 Brown granular sediment	
KIF-MEMBAY_SWB.03-SED-062112-B	N	0	12	in	SED LB	10206413	PLM	7/3/2012	INITIAL	Dry	%ASH	1	1 %	1	Y	Y					TRG	-84.514583	35.916416	Investigatory	Final-Verified	6/21/2012	GRAB			1 Brown granular sediment.	
KIF-MEMBAY_SWB.04-SED-062812-B	N	0	12	in	SED LB	10206724	PLM	7/5/2012	INITIAL	Dry	%ASH	< 1	1 %	1	Y	N	U	U	1	TRG	-84.514635	35.916184	Investigatory	Final-Verified	6/28/2012	GRAB			1 Tan granular sediment		
KIF-MEMBAY_SWB.05-SED-062812-B	N	0	12	in	SED LB	10206723	PLM	7/5/2012	INITIAL	Dry	%ASH	< 1	1 %	1	Y	N	U	U	1	TRG	-84.514524	35.916288	Investigatory	Final-Verified	6/28/2012	GRAB			1 Tan granular sediment		
KIF-MEMBAY_SWB.06-SED-062112-B	N	0	12	in	SED LB	10206414	PLM	7/3/2012	INITIAL	Dry	%ASH	3	3 %	1	Y	Y					TRG	-84.514417	35.916398	Investigatory	Final-Verified	6/21/2012	GRAB			1 Brown granular sediment.	
KIF-MEMBAY_SWB.07-SED-070212-B	N	0	12	in	SED LB	10207343	PLM	7/17/2012	INITIAL	NA	%ASH	1	1 %	1	Y	Y					TRG	-84.514281	35.916118	Investigatory	Final-Verified	7/2/2012	GRAB			1 Tan granular sediment	
KIF-MEMBAY_SWB.08-SED-070212-B	N	0	12	in	SED LB	10207344	PLM	7/17/2012	INITIAL	NA	%ASH	< 1	1 %	1	Y	N	U	U	1	TRG	-84.514386	35.916224	Investigatory	Final-Verified	7/2/2012	GRAB			1 Brown granular sediment		
KIF-MEMBAY_SWB.09-SED-062512-B	N	0	12	in	SED LB	10206415	PLM	7/3/2012	INITIAL	Dry	%ASH	4	4 %	1	Y	Y					TRG	-84.514281	35.916337	Investigatory	Final-Verified	6/25/2012	GRAB			1 Tan granular sediment.	
KIF-MEMBAY_SWB.10-SED-070212-B	N	0	12	in	SED LB	10207345	PLM	7/17/2012	INITIAL	NA	%ASH	1	1 %	1	Y	Y					TRG	-84.514346	35.916041	Investigatory	Final-Verified	7/2/2012	GRAB			1 Brown granular sediment.	
KIF-MEMBAY_SWB.11-SED-062512-B	N	0	12	in	SED LB	10206416	PLM	7/3/2012	INITIAL	Dry	%ASH	13	13 %	1	Y	Y					TRG	-84.514239	35.916138	Investigatory	Final-Verified	6/25/2012	GRAB			1 Tan granular sediment.	
KIF-MEMBAY_SWB.12-SED-062512-B	N	0	12	in	SED LB	10206417	PLM	7/3/2012	INITIAL	Dry	%ASH	4	4 %	1	Y	Y					TRG	-84.514129	35.916245	Investigatory	Final-Verified	6/25/2012	GRAB			1 Brown granular sediment.	
KIF-MEMBAY_SWB.13-SED-070212-B	N	0	12	in	SED LB	10207346	PLM	7/17/2012	INITIAL	NA	%ASH	< 1	1 %	1	Y	N	U	U	1	TRG	-84.514193	35.915959	Investigatory	Final-Verified	6/25/2012	GRAB			1 Tan granular sediment.		
KIF-MEMBAY_SWB.14-AED-071712-B	FD	0	12	in	SED LB	10208285	PLM	7/23/2012	INITIAL	NA	%ASH	< 1	1 %	1	Y	N	U	U	1	TRG	-84.514084	35.916041	Investigatory	Final-Verified	7/2/2012	GRAB			1 Tan granular sediment		
KIF-MEMBAY_SWB.14-SED-071712-B	N	0	12	in	SED LB	10208281	PLM	7/23/2012	INITIAL	NA	%ASH	< 1	1 %	1	Y	N	U	U	1	TRG	-84.514084	35.916041	Investigatory	Final-Verified	7/17/2012	GRAB			1 Tan granular sediment		
KIF-MEMBAY_SWB.15-SED-071712-B	N	0	12	in	SED LB	10208282	PLM	7/23/2012	INITIAL	NA	%ASH	1	1 %	1	Y	Y					TRG	-84.514084	35.916041	Investigatory	Final-Verified	7/17/2012	GRAB			1 Tan granular sediment	
KIF-MEMBAY_SWB.16-SED-071712-B	N	0	12	in	SED LB	10208283	PLM	7/23/2012	INITIAL	NA	%ASH	4	4 %	1	Y	Y					TRG	-84.513963	35.916113	Investigatory	Final-Verified	7/17/2012	GRAB			1 Tan granular sediment	
KIF-MEMBAY_SWB.17-SED-071712-B	N	0	12	in	SED LB	10208284	PLM	7/23/2012	INITIAL	NA	%ASH	1	1 %	1	Y	Y					TRG	-84.514078	35.915884	Investigatory	Final-Verified	7/17/2012	GRAB			1 Tan granular sediment	
KIF-MEMBAY_SWB.18-SED-072612-B	N	0	12	in	SED LB	10209274	PLM	7/23/2012	INITIAL	NA	%ASH	1	1 %	1	Y	Y					TRG	-84.513944	35.915924	Investigatory	Final-Verified	7/17/2012	GRAB			1 Tan granular sediment	
KIF-MEMBAY_SWB.19-SED-072612-B	N	0	12	in	SED LB	10209275	PLM	8/7/2012	INITIAL	NA	%ASH	< 1	1 %	1	Y	N	U	U	1	TRG	-84.513819	35.916005	Investigatory	Final-Verified	7/17/2012	GRAB			1 Tan granular sediment		
KIF-MEMBAY_SWB.20-SED-072612-B	N	0	12	in	SED LB	10209276	PLM	8/7/2012	INITIAL	NA	%ASH	< 1	1 %	1	Y	N	U	U	1	TRG	-84.514033	35.915824	Investigatory	Final-Verified	7/26/2012	GRAB			1 Tan granular sediment.		
KIF-MEMBAY_SWB.21-SED-072612-B	N	0	12	in	SED LB	10209277	PLM	8/7/2012	INITIAL	NA	%ASH	10	10 %	1	Y	Y					TRG	-84.513915	35.915904	Investigatory	Final-Verified	7/26/2012	GRAB			1 Tan granular sediment.	
KIF-MEMBAY_SWB.22-SED-072612-B	N	0	12	in	SED LB	10209278	PLM	8/7/2012	INITIAL	NA	%ASH	< 1	1 %	1	Y	N	U	U	1	TRG	-84.513915	35.915976	Investigatory	Final-Verified	7/26/2012	GRAB			1 Hard yellow-brown sediment.		
KIF-MEMBAY_SWB.23-SED-072612-B	N	0	12	in	SED LB	10209279	PLM	8/7/2012	INITIAL	NA	%ASH	< 1	1 %	1	Y	N	U	U	1	TRG	-84.513958	35.915703	Investigatory	Final-Verified	7/26/2012	GRAB			1 Tan granular sediment.		
KIF-MEMBAY_SWB.24-SED-072612-B	N	0	12	in	SED LB	10209280	PLM	8/7/2012	INITIAL	NA	%ASH	< 1	1 %	1	Y	N	U	U	1	TRG	-84.513819	35.915788	Investigatory	Final-Verified	7/26/2012	GRAB			1 Tan granular sediment.		
KIF-MEMBAY_SWB.25-AED-080112-B	FD	0	12	in	SED LB	10209340	PLM	8/8/2012	INITIAL	NA	%ASH	< 1	1 %	1	Y	N	U	U	1	TRG	-84.513685	35.915856	Investigatory	Final-Verified	7/26/2012	GRAB			1 Tan granular sediment.		
KIF-MEMBAY_SWB.25-SED-080112-B	N	0	12	in	SED LB	10209336	PLM	8/8/2012	INITIAL	NA	%ASH	< 1	1 %	1	Y	N	U	U	1	TRG	-84.513716	35.915722	Investigatory	Final-Verified	7/26/2012	GRAB			1 Hard tan sediment.		
KIF-MEMBAY_SWB.26-SED-080112-B	N	0	12	in	SED LB	10209337	PLM	8/8/2012	INITIAL	NA	%ASH	1	1 %	1	Y	Y					TRG	-84.513716	35.915722	Investigatory	Final-Verified	8/1/2012	GRAB			1 Tan granular sediment.	
KIF-MEMBAY_SWB.27-SED-081512-B	N	0	12	in	SED LB	10211155	PLM	8/8/2012	INITIAL	NA	%ASH	< 1	1 %	1	Y	N	U	U	1	TRG	-84.513852	35.915577	Investigatory	Final-Verified	8/1/2012	GRAB			1 Tan granular sediment.		
KIF-MEMBAY_SWB.28-SED-080112-B	N	0	12	in	SED LB	10209338	PLM	8/8/2012	INITIAL	NA	%ASH	2	2 %	1	Y	Y					TRG	-84.513553	35.915705	Investigatory	Final-Verified	8/15/2012	GRAB			1 Tan granular sediment.	
KIF-MEMBAY_SWB.29-SED-080112-B	N	0	12	in	SED LB	10209339	PLM	8/8/2012	INITIAL	NA	%ASH	< 1	1 %	1	Y	N	U	U	1	TRG	-84.513795	35.915522	Investigatory	Final-Verified	8/15/2012	GRAB			1 Tan granular sediment		
KIF-MEMBAY_SWB.30-SED-081512-B	N	0	12	in	SED LB	10211156	PLM	8/28/2012	INITIAL	NA	%ASH	< 1	1 %	1	Y	N	U	U	1	TRG	-84.513624	35.915532	Investigatory	Final-Verified	8/1/2012	GRAB			1 Pale tan sediment.		
																					TRG	-84.513472	35.915568	Investigatory	Final-Verified	8/15/2012	GRAB			1 Hard tan sediment.	
																															1 Tan granular sediment

Attachment 3

Selected Daily Quality Assurance Reports



Kingston Ash Recovery Project (KRP)
Quality Assurance
Daily Report

REPORT DATE & DAY OF WEEK: Tuesday, July 17, 2012

ACTIVITIES OBSERVED IN CONFORMANCE WITH WORK REQUIREMENTS (Safety, SOP, Work Package, QC Plan, Drawings and Specifications, Removal Action Work Plan, etc.): (Identify activities by Contractor and area)
WP-1140 Middle Embayment Sediment Sampling, RDP112-C Swan Pond Embayment Ash Removal Design Package, AD-SK-031 Swan Pond Embayment Ash Excavation Plan, and AD-SK-032 Swan Pond Embayment Clay Berm Installation.

Activities in compliance with the work plans.

Middle Embayment – Excavating ash from “West storage”; Civil Projects cleaned Swan Pond buttress access road again before shot rock was placed; Surveyors established shot rock grade along Swan Pond Slope(spray paint); RSI sampled 4 points (SWB13,14,16, and 17); All samples appear to be <50% ash; Civil Projects was notified and informed they could continue with shot rock in this area at risk

MATERIAL / EQUIPMENT RECEIPT INSPECTION: Receipt Form Completed (Reference RIR #)?

N/A

NONCONFORMING WORK: (Identify by Contractor and area). NCR Issued (Reference NCR #)?

Contractors in compliance with the work plans.

SORs (SAFETY OBSERVATION REPORTS):

N/A

QA ISSUES: (Specify if assistance is needed to resolve issue)

No issues.

PLANNED ACTIVITIES: (Identify activities by Contractor and area)

Continue to support Middle Embayment ash removal, East Clean Water Ditch berm construction and Swan Pond Buttress access road.

SHOP INSPECTIONS:

N/A

DOCUMENT REVIEWS: (SOPs, Work Package, QC Plan, Drawings and Specifications, Removal Action Work Plan, etc.)

N/A

SUBMITTED BY: Walter R. Burns

DATE: July 17, 2012



Kingston Ash Recovery Project (KRP)
Quality Assurance
Daily Report

REPORT DATE & DAY OF WEEK: Wednesday, July 18, 2012

ACTIVITIES OBSERVED IN CONFORMANCE WITH WORK REQUIREMENTS (Safety, SOP, Work Package, QC Plan, Drawings and Specifications, Removal Action Work Plan, etc.): (Identify activities by Contractor and area)
WP-1140 Middle Embayment Sediment Sampling, RDP112-C Swan Pond Embayment Ash Removal Design Package, AD-SK-031 Swan Pond Embayment Ash Excavation Plan, and AD-SK-032 Swan Pond Embayment Clay Berm Installation.

Activities in compliance with the work plans.

Middle Embayment – Excavating ash from “West Storage”; Civil Projects continued placing shot rock for Swan Pond buttress access road; Shot Rock grade was achieved for the first 50-60’ linear ft; Shut down due to inclement weather from 12:30-17:00

MATERIAL / EQUIPMENT RECEIPT INSPECTION: Receipt Form Completed (Reference RIR #)?

N/A

NONCONFORMING WORK: (Identify by Contractor and area). NCR Issued (Reference NCR #)?

Contractors in compliance with the work plans.

SORs (SAFETY OBSERVATION REPORTS):

N/A

QA ISSUES: (Specify if assistance is needed to resolve issue)

No issues.

PLANNED ACTIVITIES: (Identify activities by Contractor and area)

Continue to support Middle Embayment ash removal, East Clean Water Ditch berm construction and Swan Pond Buttress access road.

SHOP INSPECTIONS:

N/A

DOCUMENT REVIEWS: (SOPs, Work Package, QC Plan, Drawings and Specifications, Removal Action Work Plan, etc.)

N/A

SUBMITTED BY: Walter R. Burns

DATE: July 18, 2012



Kingston Ash Recovery Project (KRP)
Quality Assurance
Daily Report

REPORT DATE & DAY OF WEEK: Thursday, July 19, 2012

ACTIVITIES OBSERVED IN CONFORMANCE WITH WORK REQUIREMENTS (Safety, SOP, Work Package, QC Plan, Drawings and Specifications, Removal Action Work Plan, etc.): (Identify activities by Contractor and area)
WP-1140 Middle Embayment Sediment Sampling, RDPI12-C Swan Pond Embayment Ash Removal Design Package, AD-SK-031 Swan Pond Embayment Ash Excavation Plan, and AD-SK-032 Swan Pond Embayment Clay Berm Installation.

Activities in compliance with the work plans.

Middle Embayment – Excavating ash from “West storage”; Civil Projects continued placing shot rock for Swan Pond buttress access road; Shot Rock grade was achieved for the first 70-80’ linear ft; 4 trucks hauling shot rock; Geo-con moved jet grouting rig into Middle Embayment; RSI did not collect any samples today

MATERIAL / EQUIPMENT RECEIPT INSPECTION: Receipt Form Completed (Reference RIR #)?

N/A

NONCONFORMING WORK: (Identify by Contractor and area). NCR Issued (Reference NCR #)?

Contractors in compliance with the work plans.

SORs (SAFETY OBSERVATION REPORTS):

N/A

QA ISSUES: (Specify if assistance is needed to resolve issue)

No issues.

PLANNED ACTIVITIES: (Identify activities by Contractor and area)

Continue to support Middle Embayment ash removal, East Clean Water Ditch berm construction and Swan Pond Buttress access road.

SHOP INSPECTIONS:

N/A

DOCUMENT REVIEWS: (SOPs, Work Package, QC Plan, Drawings and Specifications, Removal Action Work Plan, etc.)

N/A

SUBMITTED BY: Walter R. Burns

DATE: July 19, 2012



Kingston Ash Recovery Project (KRP)
Quality Assurance
Daily Report

REPORT DATE & DAY OF WEEK: Thursday, July 23, 2012

ACTIVITIES OBSERVED IN CONFORMANCE WITH WORK REQUIREMENTS (Safety, SOP, Work Package, QC Plan, Drawings and Specifications, Removal Action Work Plan, etc.): (Identify activities by Contractor and area)
WP-1140 Middle Embayment Sediment Sampling, RDP112-C Swan Pond Embayment Ash Removal Design Package, AD-SK-031 Swan Pond Embayment Ash Excavation Plan, and AD-SK-032 Swan Pond Embayment Clay Berm Installation.

Activities in compliance with the work plans.

Middle Embayment – Excavating ash from “West Storage” (2 trucks); Continued placing shot rock for Swan Pond buttress access road (3 trucks hauling rock); 3 loads of sand placed for the Reverse filter; Coordinates and photos collected of the filtered area

MATERIAL / EQUIPMENT RECEIPT INSPECTION: Receipt Form Completed (Reference RIR #)?

N/A

NONCONFORMING WORK: (Identify by Contractor and area). NCR Issued (Reference NCR #)?

Contractors in compliance with the work plans.

SORs (SAFETY OBSERVATION REPORTS):

N/A

QA ISSUES: (Specify if assistance is needed to resolve issue)

No issues.

PLANNED ACTIVITIES: (Identify activities by Contractor and area)

Continue to support Middle Embayment ash removal, East Clean Water Ditch berm construction and Swan Pond Buttress access road.

SHOP INSPECTIONS:

N/A

DOCUMENT REVIEWS: (SOPs, Work Package, QC Plan, Drawings and Specifications, Removal Action Work Plan, etc.)

N/A

SUBMITTED BY: Walter R. Burns

DATE: July 23, 2012



Kingston Ash Recovery Project (KRP)
Quality Assurance
Daily Report

REPORT DATE & DAY OF WEEK: Tuesday, July 24, 2012

ACTIVITIES OBSERVED IN CONFORMANCE WITH WORK REQUIREMENTS (Safety, SOP, Work Package, QC Plan, Drawings and Specifications, Removal Action Work Plan, etc.): (Identify activities by Contractor and area)
WP-1140 Middle Embayment Sediment Sampling, RDP112-C Swan Pond Embayment Ash Removal Design Package, AD-SK-031 Swan Pond Embayment Ash Excavation Plan, and AD-SK-032 Swan Pond Embayment Clay Berm Installation.

Activities in compliance with the work plans.

Middle Embayment – Excavating ash from “West Storage” (2 trucks); Civil Projects started placing clay on East Clean water ditch berm (no moisture density requirements); Surveyors shot the corners of the Reverse Filter on Swan Pond buttress; Hopefully Civil Projects can continue to clean in front of Swan Pond buttress access road tomorrow; RSI has been notified and are ready to continuing sampling

MATERIAL / EQUIPMENT RECEIPT INSPECTION: Receipt Form Completed (Reference RIR #)?

N/A

NONCONFORMING WORK: (Identify by Contractor and area). NCR Issued (Reference NCR #)?

Contractors in compliance with the work plans.

SORs (SAFETY OBSERVATION REPORTS):

N/A

QA ISSUES: (Specify if assistance is needed to resolve issue)

No issues.

PLANNED ACTIVITIES: (Identify activities by Contractor and area)

Continue to support Middle Embayment ash removal, East Clean Water Ditch berm construction and Swan Pond Buttress access road.

SHOP INSPECTIONS:

N/A

DOCUMENT REVIEWS: (SOPs, Work Package, QC Plan, Drawings and Specifications, Removal Action Work Plan, etc.)

N/A

SUBMITTED BY: Walter R. Burns

DATE: July 24, 2012



Kingston Ash Recovery Project (KRP)
Quality Assurance
Daily Report

REPORT DATE & DAY OF WEEK: Wednesday, July 25, 2012

ACTIVITIES OBSERVED IN CONFORMANCE WITH WORK REQUIREMENTS (Safety, SOP, Work Package, QC Plan, Drawings and Specifications, Removal Action Work Plan, etc.): (Identify activities by Contractor and area)
WP-1140 Middle Embayment Sediment Sampling, RDP112-C Swan Pond Embayment Ash Removal Design Package, AD-SK-031 Swan Pond Embayment Ash Excavation Plan, and AD-SK-032 Swan Pond Embayment Clay Berm Installation.

Activities in compliance with the work plans.

Middle Embayment –Civil Projects continued placing clay on East Clean water ditch berm (no moisture density requirements); Segment 8- erosion between buttress walls due to heavy rainfall; Documented all CP pumps onsite with model number, size, elevation, and location

MATERIAL / EQUIPMENT RECEIPT INSPECTION: Receipt Form Completed (Reference RIR #)?

N/A

NONCONFORMING WORK: (Identify by Contractor and area). NCR Issued (Reference NCR #)?

Contractors in compliance with the work plans.

SORs (SAFETY OBSERVATION REPORTS):

N/A

QA ISSUES: (Specify if assistance is needed to resolve issue)

No issues.

PLANNED ACTIVITIES: (Identify activities by Contractor and area)

Continue to support Middle Embayment ash removal, East Clean Water Ditch berm construction and Swan Pond Buttress access road.

SHOP INSPECTIONS:

N/A

DOCUMENT REVIEWS: (SOPs, Work Package, QC Plan, Drawings and Specifications, Removal Action Work Plan, etc.)

N/A

SUBMITTED BY: Walter R. Burns

DATE: July 25, 2012



Kingston Ash Recovery Project (KRP)
Quality Assurance
Daily Report

REPORT DATE & DAY OF WEEK: Thursday, July 26, 2012

ACTIVITIES OBSERVED IN CONFORMANCE WITH WORK REQUIREMENTS (Safety, SOP, Work Package, QC Plan, Drawings and Specifications, Removal Action Work Plan, etc.): (Identify activities by Contractor and area)
WP-1140 Middle Embayment Sediment Sampling, RDP112-C Swan Pond Embayment Ash Removal Design Package, AD-SK-031 Swan Pond Embayment Ash Excavation Plan, and AD-SK-032 Swan Pond Embayment Clay Berm Installation.

Activities in compliance with the work plans.

Middle Embayment – Requested that Civil Projects excavate the fill(clay) that was used to dry up the bottom of Pap's Valley and expose native sediment; RSI sampled 7 PLM points (SWB17-24); All samples appear to be <50% ash; Shot rock will be placed at risk for Swan Pond buttress; RSI geoprobed the East Clean water ditch berm to locate ash/clean boundary; Decision has not been made to continue with Segment 8 toe road if Civil Projects gets to that point, due to issues with PWS

MATERIAL / EQUIPMENT RECEIPT INSPECTION: Receipt Form Completed (Reference RIR #)?

N/A

NONCONFORMING WORK: (Identify by Contractor and area). NCR Issued (Reference NCR #)?

Contractors in compliance with the work plans.

SORs (SAFETY OBSERVATION REPORTS):

N/A

QA ISSUES: (Specify if assistance is needed to resolve issue)

No issues.

PLANNED ACTIVITIES: (Identify activities by Contractor and area)

Continue to support Middle Embayment ash removal, East Clean Water Ditch berm construction and Swan Pond Buttress access road; RSI is going to geoprobe the East Clean water ditch berm to locate ash/clean boundary

SHOP INSPECTIONS:

N/A

DOCUMENT REVIEWS: (SOPs, Work Package, QC Plan, Drawings and Specifications, Removal Action Work Plan, etc.)

N/A

SUBMITTED BY: Walter R. Burns

DATE: July 26, 2012



Kingston Ash Recovery Project (KRP)
Quality Assurance
Daily Report

REPORT DATE & DAY OF WEEK: Tuesday, July 31, 2012

ACTIVITIES OBSERVED IN CONFORMANCE WITH WORK REQUIREMENTS (Safety, SOP, Work Package, QC Plan, Drawings and Specifications, Removal Action Work Plan, etc.): (Identify activities by Contractor and area)
WP-1140 Middle Embayment Sediment Sampling, RDP112-C Swan Pond Embayment Ash Removal Design Package, AD-SK-031 Swan Pond Embayment Ash Excavation Plan, and AD-SK-032 Swan Pond Embayment Clay Berm Installation.

Activities in compliance with the work plans.

Middle Embayment – RSI was notified a day in advance before the temporary Clean Water ditch berm was going to excavated; Temporary Clean water ditch berm was excavated @14:27, water began flowing through Swan Pond Road culvert @14:42; Continued hauling rock for Swan Pond buttress access road; RSI plans on Geoprobings clean/ash boundary close to sample point 8F-4 for concurrence KIF-12-002.

MATERIAL / EQUIPMENT RECEIPT INSPECTION: Receipt Form Completed (Reference RIR #)?

N/A

NONCONFORMING WORK: (Identify by Contractor and area). NCR Issued (Reference NCR #)?

Contractors in compliance with the work plans.

SORs (SAFETY OBSERVATION REPORTS):

N/A

QA ISSUES: (Specify if assistance is needed to resolve issue)

No issues.

PLANNED ACTIVITIES: (Identify activities by Contractor and area)

Continue to support Middle Embayment ash removal, Swan Pond Buttress access road; RSI is going to geoprobe the East Clean water ditch berm to locate ash/clean boundary

SHOP INSPECTIONS:

N/A

DOCUMENT REVIEWS: (SOPs, Work Package, QC Plan, Drawings and Specifications, Removal Action Work Plan, etc.)

N/A

SUBMITTED BY: Walter R. Burns

DATE: July 31, 2012



Kingston Ash Recovery Project (KRP)
Quality Assurance
Daily Report

REPORT DATE & DAY OF WEEK: Wednesday, August 8, 2012

ACTIVITIES OBSERVED IN CONFORMANCE WITH WORK REQUIREMENTS (Safety, SOP, Work Package, QC Plan, Drawings and Specifications, Removal Action Work Plan, etc.): (Identify activities by Contractor and area)
WP-1140 Middle Embayment Sediment Sampling, RDP112-C Swan Pond Embayment Ash Removal Design Package, AD-SK-031 Swan Pond Embayment Ash Excavation Plan, and AD-SK-032 Swan Pond Embayment Clay Berm Installation.

Activities in compliance with the work plans.

Middle Embayment – Documented pump elevations- intake and discharge, model numbers, size, and etc.; Continued placing stone for Swan Pond buttress road; RSI geoprobed two points along the clean water ditch

MATERIAL / EQUIPMENT RECEIPT INSPECTION: Receipt Form Completed (Reference RIR #)?
N/A

NONCONFORMING WORK: (Identify by Contractor and area). NCR Issued (Reference NCR #)?
Contractors in compliance with the work plans.

SORs (SAFETY OBSERVATION REPORTS):

N/A

QA ISSUES: (Specify if assistance is needed to resolve issue)

No issues.

PLANNED ACTIVITIES: (Identify activities by Contractor and area)

Continue to support Middle Embayment, Swan Pond Road buttress and Segment 1&8 toe road

SHOP INSPECTIONS:

N/A

DOCUMENT REVIEWS: (SOPs, Work Package, QC Plan, Drawings and Specifications, Removal Action Work Plan, etc.)
N/A

SUBMITTED BY: Walter R. Burns

DATE: August 8, 2012



Kingston Ash Recovery Project (KRP)
Quality Assurance
Daily Report

REPORT DATE & DAY OF WEEK: Thursday, August 9, 2012

ACTIVITIES OBSERVED IN CONFORMANCE WITH WORK REQUIREMENTS (Safety, SOP, Work Package, QC Plan, Drawings and Specifications, Removal Action Work Plan, etc.): (Identify activities by Contractor and area)
WP-1140 Middle Embayment Sediment Sampling, RDP112-C Swan Pond Embayment Ash Removal Design Package, AD-SK-031 Swan Pond Embayment Ash Excavation Plan, and AD-SK-032 Swan Pond Embayment Clay Berm Installation.

Activities in compliance with the work plans.

Middle Embayment – Heavy rain over night required water to be pumped from Segment 8/Pap's Valley; No work in Pap's Valley; Excavating ash from Segment 1A; RSI sampled PW.18 , <50% ash; Civil Project placed shot rock the entire length available 50'

MATERIAL / EQUIPMENT RECEIPT INSPECTION: Receipt Form Completed (Reference RIR #)?

N/A

NONCONFORMING WORK: (Identify by Contractor and area). NCR Issued (Reference NCR #)?

Contractors in compliance with the work plans.

SORs (SAFETY OBSERVATION REPORTS):

N/A

QA ISSUES: (Specify if assistance is needed to resolve issue)

No issues.

PLANNED ACTIVITIES: (Identify activities by Contractor and area)

Continue to support Middle Embayment and Segment 1&8 toe road

SHOP INSPECTIONS:

N/A

DOCUMENT REVIEWS: (SOPs, Work Package, QC Plan, Drawings and Specifications, Removal Action Work Plan, etc.)

N/A

SUBMITTED BY: Walter R. Burns

DATE: August 9, 2012

[Type text]



Kingston Ash Recovery Project (KRP)
Quality Assurance
Daily Report

REPORT DATE & DAY OF WEEK: Monday, July 16, 2012

ACTIVITIES OBSERVED IN CONFORMANCE WITH WORK REQUIREMENTS (Safety, SOP, Work Package, QC Plan, Drawings and Specifications, Removal Action Work Plan, etc.): (Identify activities by Contractor and area)
WP-1140 Middle Embayment Sediment Sampling, RDP112-C Swan Pond Embayment Ash Removal Design Package, AD-SK-031 Swan Pond Embayment Ash Excavation Plan, and AD-SK-032 Swan Pond Embayment Clay Berm Installation.

Activities in compliance with the work plans.

Middle Embayment – Excavating ash from “West storage”; Pumping water in all work areas; No work-Pap’s Valley or East Clean Water Ditch berm; Due to heavy rainfall additional cleaning required before rock is placed on Swan Pond Road Buttress access road; Placed ash between buttress walls on Segment 8 from erosion on Friday; Shut down due to lightning from 12:30-14:10

MATERIAL / EQUIPMENT RECEIPT INSPECTION: Receipt Form Completed (Reference RIR #)?

N/A

NONCONFORMING WORK: (Identify by Contractor and area). NCR Issued (Reference NCR #)?

Contractors in compliance with the work plans.

SORs (SAFETY OBSERVATION REPORTS):

N/A

QA ISSUES: (Specify if assistance is needed to resolve issue)

No issues.

PLANNED ACTIVITIES: (Identify activities by Contractor and area)

Continue to support Middle Embayment ash removal, East Clean Water Ditch berm construction and Swan Pond Buttress access road.

SHOP INSPECTIONS:

N/A

DOCUMENT REVIEWS: (SOPs, Work Package, QC Plan, Drawings and Specifications, Removal Action Work Plan, etc.)

N/A

SUBMITTED BY: Walter R. Burns

DATE: July 16, 2012

Attachment 4

RSI Geoprobe Drill Data



10/03/2012

Weather: Mostly sunny with a high near 77°F

Segment 8 and Swan Pond Road

Crew: Ed Arnold (RSI); Steve Bunkley (RSI); Russ Vance (RSI)

Core #	Core Coordinates	Time	Core Description	Interval (ft)
S8.GP	N: 557878.75 E: 2440025.61	1345	Red brown clay fill with chert	0.0-4.0
			Red brown clay fill with chert	4.0-6.5
			Grey fly ash	6.5-7.0
			Grey fly ash	7.0-10.0
			Grey fly ash	10.0-11.2
			Red and grey loam with small chert gravel	11.2-13.0
			Total Depth	13.0

Attachment 5

Field Photography Log and Representative Photographs

KIF-12-003 Photo Log



Swan Pond Road ash excavation to design slope angle, 2012-05-19, looking southwest

KIF-12-003 Photo Log



Placement of rock fill for Clean Haul Road and Swan Pond Road Buttress,
photo taken 2012-07-17, looking west

Note: An ash area left for road stability to be covered with a sand filter

KIF-12-003 Photo Log



Completed sand filters on north section of Swan Pond Road,
photo taken 2012-08-09, looking south

KIF-12-003 Photo Log

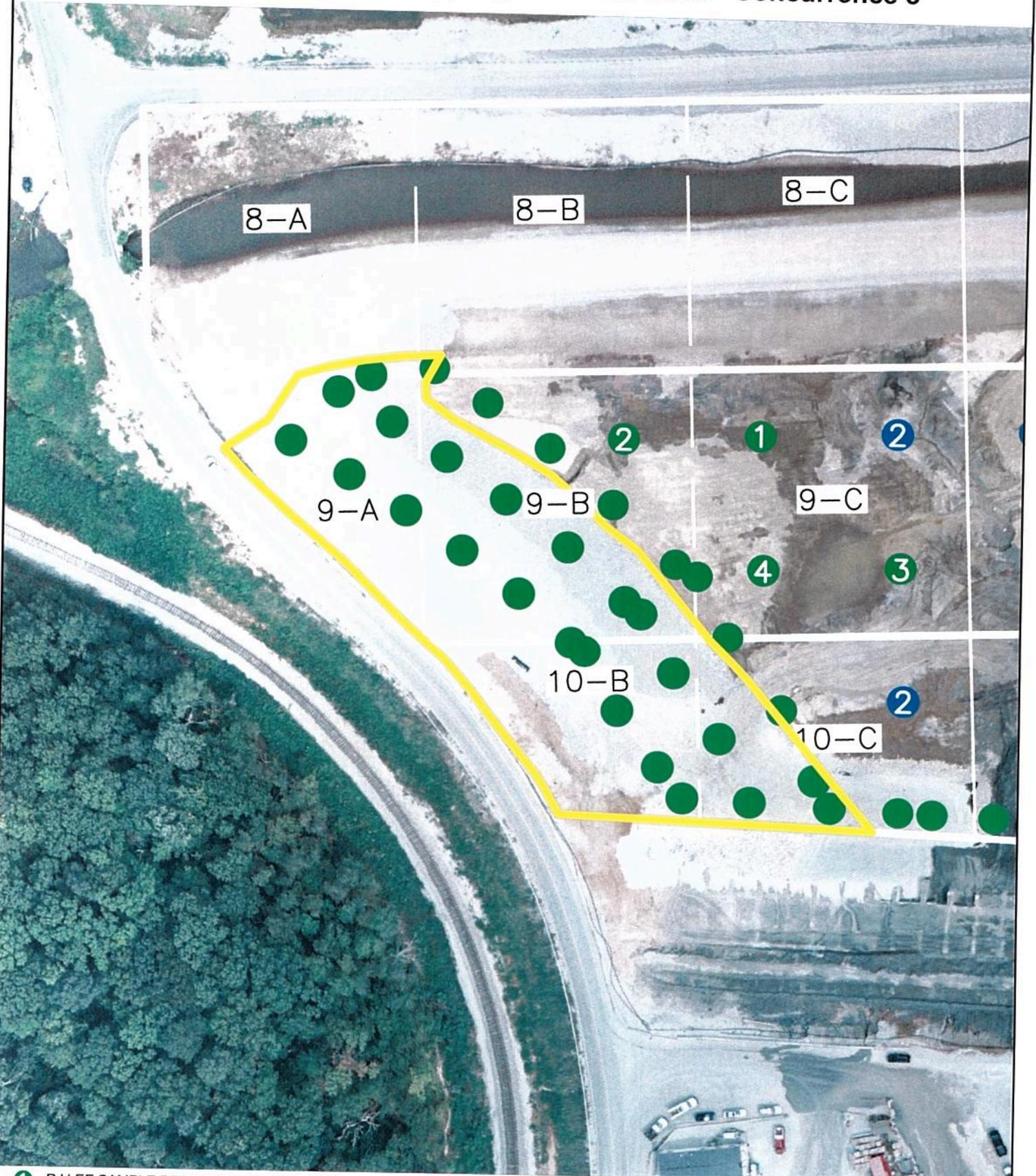


Placement of slope protection along Swan Pond Road,
photos taken 2012-08-09, looking west

Figure 1

Middle Embayment Grids - Cleared

Middle Embayment Sampling - Cleared Grids - Concurrence 3



- ① RJ LEE SAMPLE RESULTS SATISFACTORY
- ① KRP SAMPLE RESULTS SATISFACTORY / RJ LEE RESULTS PENDING
- ① SAMPLE RESULTS UNSATISFACTORY
- ① TO BE SAMPLED
- CONCURRENCE BOUNDARY



JACOBS

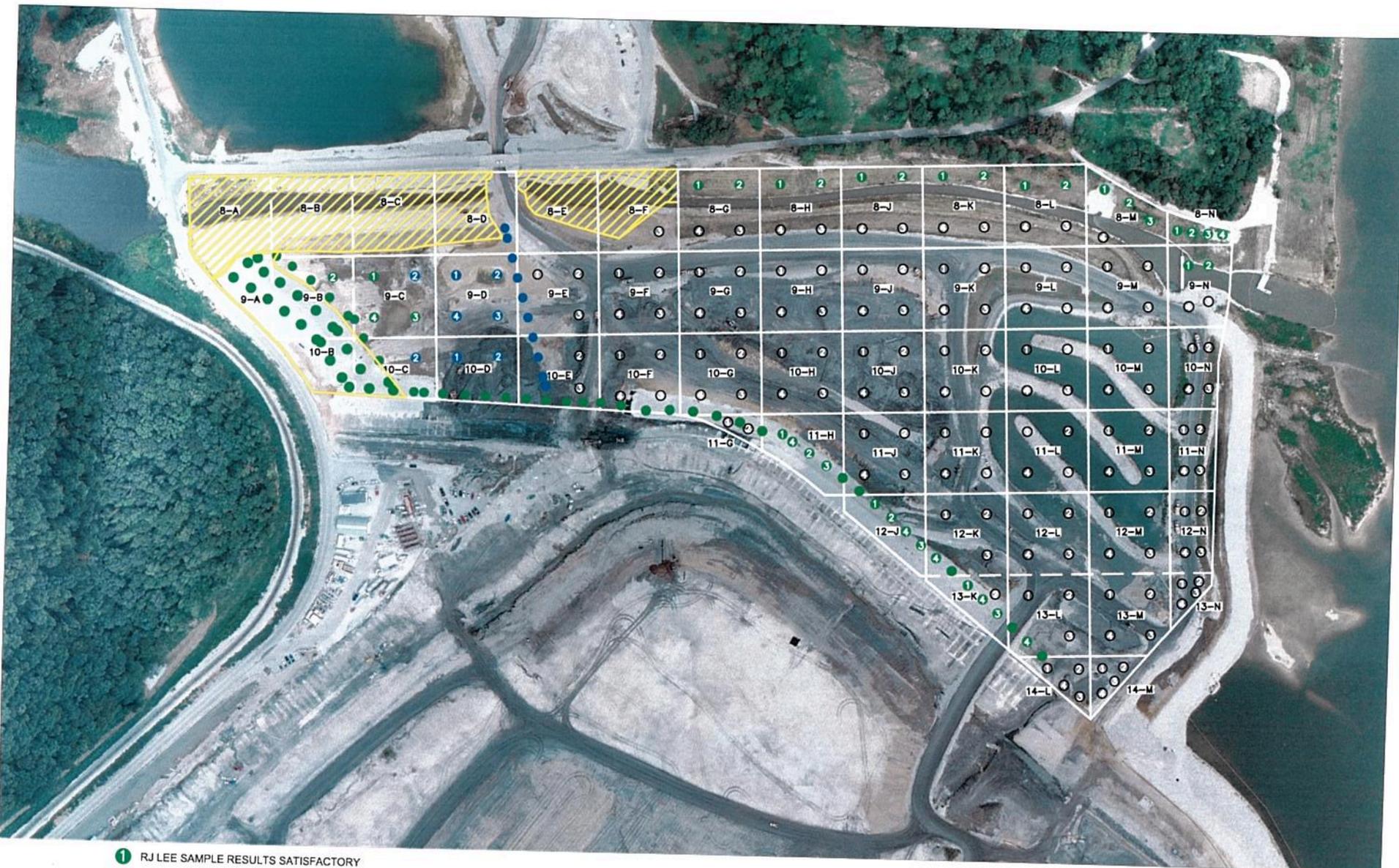
10/25/12

Figure 1

Figure 2

MESAM-02

Middle Embayment Sample Grid Locations



- ① RJ LEE SAMPLE RESULTS SATISFACTORY
- ① KRP SAMPLE RESULTS SATISFACTORY / RJ LEE RESULTS PENDING
- ① SAMPLE RESULTS UNSATISFACTORY
- ① TO BE SAMPLED
- ▨ GRIDS CLEARED

PHOTO 060012		SEAL
JACOBS KINGSTON FOSSIL PLANT TENNESSEE VALLEY AUTHORITY		
FIGURE 2 MIDDLE EMBAYMENT SAMPLE GRID		
DATE: 10/25/12	PROJECT: MIDDLE EMBAYMENT CONCURRENCE #1	SCALE: AS SHOWN
FIG: FIG-MESAM-02	NO: 1	