

**COAKLEY TELECONFERENCE
MINUTES OF THE COAKLEY LANDFILL
EXECUTIVE COMMITTEE TELECONFERENCE
HELD AT THE NORTH HAMPTON TOWN HALL
THURSDAY, AUGUST 17, 2017, AT 11:00 A.M.**

The Coakley Teleconference call commenced at approximately 11:05 a.m. In attendance for the meeting at the Town of North Hampton Town Hall were Committee Members: Seth Jaffe, Esq. and Robert P. Sullivan, Esq., as well Peter Britz; Town Administrator Paul Apple and Selectman Larry Miller and Selectman Jim Maggiore, as well as 9 other members of the general public in the audience. Curtis Shipley, Esq. and Daniel MacRitchie conferenced in and Joe Montello was not available for the teleconference call.

The meeting was televised by the Town of North Hampton and will be aired on its government channel.

All votes were unanimous, unless otherwise indicated.

Attorney Robert Sullivan provided a brief explanation of what has occurred during the past 27/28 years concerning this remediation project and how meetings have occurred basically on a month-to-month basis, mutually agreed upon date for the three members of the Executive Committee during that entire time period. Attorney Sullivan further indicated that over that 27/28 years the Coakley Landfill Group has been overseen by a three person Executive Committee. Attorney Sullivan has represented the municipalities during that time; Attorney Seth Jaffe of Foley Hoag in Boston has represented the Generators as well during this period of time; with the Transporters having had various representation over that period of time and currently being represented by Attorney Curtis Shipley who is based out of North Carolina. Attorney Sullivan further noted that Dan MacRitchie is a local engineer who was the construction manager of the landfill project and has extensive knowledge of the overall project and continues to conference in on the calls and provides input and assistance as needed.

- I. The minutes of the June 20, 2017 Coakley Teleconference call were accepted and placed on file.

Attorneys Sullivan and Jaffe provided a brief understanding of the fact that there is a distinct difference between the references to OU-1 and OU-2; meaning that OU-1 is that which is considered to be the cap area of the landfill and OU-2 is the area off-site and away from the cap area. This explanation was made so that there would be an understanding of why the agendas and minutes are set up the way they are and how the landfill discussions are separated.

A brief summary was provided of the entities from which that we have outstanding bills.

With respect to the City of Portsmouth the billing is representative of reimbursement pertaining to the services of Environmental Planner Peter Britz for purposes of fulfilling the Consent Decree requirement of establishing a Project Manager to be a point of contact for the agencies.

CES, Inc. is the site contractor who provides much of the required sampling and provides technical support to the Group.

OU-1:

II. BILLS:

CITY OF PORTSMOUTH:

- A. Invoice #: COAK000179, dated 7/20/17 \$ 1,250.00
(No Payment Certification Required)
This item was approved for payment.

CES, INC.:

- B. Invoice #: 20171568, dated 6/16/17 \$23,911.98
(Payment Certification Received)
This item was approved for payment.
- C. Invoice #: 20171848, dated 7/13/17 \$ 4,289.65
(Payment Certification Received)
This item was approved for payment.
- D. Invoice #: 20171847, dated 7/13/17 \$ 336.00
(Payment Certification Received)
This item was approved for payment.
- E. Invoice #: 20171851, dated 7/13/17 \$ 271.69
(Payment Certification to be Discussed)
This item was deferred/postponed for payment due to the fact that Peter Britz has asked CES its reasoning for providing this bill for simply drafting a proposal concerning a request from the agencies for additional arsenic/manganese work.

III. **OU - 1 ACTION ITEMS:**

- A. Discussion concerning the near completion of the annual mowing of landfill cap.

Peter indicated that Mr. Nordstrom of North Hampton has indicated that he anticipates that the mowing will be completed within the next week as there is still trim work needs to be completed. It is anticipated that a bill in the amount of \$6,000.00 will be received in association with cost of this required work for the upkeep of the cap.

- B. Discussion as to the necessity of a monetary assessment authorization.

The Group deferred discussion on the assessment to Peter's Activity report which included various assessments and projections

IV. **OU – 1 RECORD ITEMS:**

- A. E-mail dated 6/22/17 to Coakley Executive Committee from Cheryl Bentley of Aries Engineering attaching 2017 Landfill Gas Monitoring Results dated 5/4/17. In an effort to provide background information concerning this report, Peter Britz indicated that there are vents located inside the cap area which indicated little methane detected (which is to be anticipated) and there are vents on the outside of the cap area which detected no methane. This item was accepted and placed on file.

OU – 1 Balance as of August 15, 2017 is \$64,881.73

OU-2:

Attorney Sullivan indicated, and Attorney Jaffe confirmed the request of the Coakley Landfill Group, for Peter Britz to review the time he is spending on this project due to the recently increased work load. A proposal for an adjustment in the billing amount on behalf of the City may be necessary.

V. **BILLS:**

CITY OF PORTSMOUTH:

- A. Invoice #: COAK000179, dated 7/20/17 \$ 1,250.00
(No Payment Certification Required)
This item was approved for payment.

CES, INC.:

- B. Invoice #: 20171566, dated 6/16/17 \$ 878.75
(Payment Certification Received)
This item was approved for payment.

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|----|---|-------------|
| C. | Invoice #: 20171567, dated 6/16/17
(Payment Certification Received)
This item was approved for payment. | \$ 170.00 |
| D. | Invoice #: 20171568, dated 6/16/17
(Payment Certification Received)
This item was approved for payment. | \$44,075.95 |
| E. | Invoice #: 20171848, dated 7/13/17
(Payment Certification Received)
This item was approved for payment. | \$ 7,966.48 |
| F. | Invoice #: 20171847, dated 7/13/17
(Payment Certification Received)
This item was approved for payment. | \$ 624.00 |
| G. | Invoice #: 20171849, dated 7/13/17
(Payment Certification Received)
This item was approved for payment. | \$ 5,160.50 |
| H. | Invoice #: 20171851, dated 7/13/17
(Payment Certification to be Discussed)
This item was deferred/postponed for payment due to the fact that Peter Britz has asked CES its reasoning for providing this bill for a proposal concerning a request from the agencies for additional arsenic/manganese work. | \$ 504.56 |

NH DES:

- | | | |
|----|--|-------------|
| I. | Invoice #: 198712001-03, dated 8/9/17
(Payment Certification Received)
This item was deferred / postponed for payment. Peter will ask NHDES about this bill as virtually all of the sampling is outside of the Coakley landfill area and not within the scope of Coakley work. This bill represents work performed by NHDES without informing the Coakley Landfill Group of its scope. The Coakley Executive Committee has requested that prior to doing testing that DES let Coakley Landfill Group know the rationale used in determining that the testing is Coakley related. | \$23,181.89 |
|----|--|-------------|

VI. OU-2 ACTION ITEMS:

- | | |
|----|--|
| A. | Discussion concerning the 4 Party Waterline Agreement for the Sewall property and an update on Chinburg reimbursement. Prior to attending the Coakley teleconference this morning Attorney Sullivan and Peter Britz stopped by the Sewall project and spoke with the lead individual on the project who indicated that the that the main/waterline is constructed 100% |
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down the subdivision road; the laterals for the 10 lots have not yet been installed and that there is additional site work that will need to be done in the easement area. The reimbursement to Mr. Chinburg for half of the cost (not to exceed \$200,000) is triggered upon completion of the project.

- B. Discussion requiring an assessment authorization.

The Group deferred discussion on the assessment to Peter's Activity report which included various assessments and projections

- C. Discussion regarding a special assessment authorization.

The Group discussed the Chinburg water line reimbursement and the progression of the same. The Group deferred discussion on the assessment to Peter's Activity report which included various assessments and projections

VII. **OU-2 RECORD ITEMS:**

There were no record items.

OU –2 Balance as of August 15, 2017 is \$94,275.83

COMBINED OU-1 & OU-2

VIII. **COMBINED OU – 1 & OU – 2 ACTION ITEMS:**

- A. Report of Peter Britz of the City of Portsmouth.
See attached.

New Well Couplet Installation – the installation of a new well couplet is for the purpose of establishing a clean edge. It is anticipated that the new couplets will soon be installed on the Sewall property.

Additional Investigations – In order to confirm the Eastern edge of groundwater flow from the landfill an existing well couplet will be reviewed and a determination will be made whether or not existing well which was installed in approximately 1993 is still viable. If the well couplet is still viable these wells will be sampled as part of the 2017 fall sampling round.

Surface Water Notice Signs – At the request of the Agencies signs were made and installed (containing specific language directed by the agencies) in various locations around the landfill. So that the signs were installed quickly as requested by the agencies, the City of Portsmouth made the signs and installed them (there is no bill anticipated for the production and installation of these signs).

Fish Tissue Sampling – This would be performed on brown trout from Berry's Brook and from the hatchery before release to Berry's Brook. The methodology would involve killing a number of trout to perform tissue sample analysis to determine if any PFAS contaminants are found in the fish.

Adjust to Remedy – The agencies have requested a meeting of the Coakley Executive Committee which is in the process of being scheduled and at this time is anticipated it will occur the end of September in Chelmsford, MA. It is anticipated that there will be discussion on the recent surface water sampling results and the effectiveness of the existing remedy given those results. Active treatment is one of the topics of discussion that is expected to be discussed at this meeting.

Assessment – Peter Britz spoke about the chart concerning the upcoming assessment figures he has outlined in his report.

It was noted that the column after OU-1 for 2018 is incorrectly labeled as it should read "OU-1 Totals" instead of "OU-2 Totals".

It was further indicated that Department of Defense (DOD) cashed out in advance as a PRP in OU-1 and that for OU-2 DOD is billed in arrears for expenses at 20.08% for reimbursement purposes.

With respect to the Special Waterline assessment, in the event there should be any funds in excess (i.e.; invoice from Chinburg is lower than the \$200,000 assessment) the balance would be retained for future use as these funds would be melded directly with the OU-2 funds.

The members discussed the various cost projections / assessments that will be needed and how best to set up the payments for all members so that the payments will be simple as possible for the members (i.e.; some payments during calendar year versus fiscal year). Therefore, the Executive Committee asked that these assessments be deferred and placed on the September agenda for further discussion of funding and date of funding necessary.

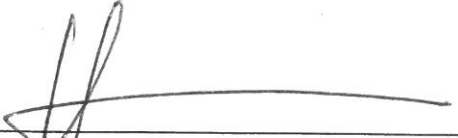
IX. **COMBINED OU – 1 & OU – 2 RECORD ITEMS:**

- A. E-mails between Coakley Executive Committee with original e-mail from Michael Deyling of CES dated 6/22/17 attaching Results of Spring 2017 Groundwater Sampling. This item was accepted and placed on file.
- B. E-mail to Gerardo Millan-Ramos & Drew Hoffman and Coakley Executive Committee from Peter Britz dated 6/29/17 attaching Chinburg Well – Downhole Geophysics and Water Level Data (Dataloggers) dated 6/29/17. This item was accepted and placed on file.
- C. E-mail to Coakley Executive Committee from Peter Britz dated 7/12/17 regarding Coakley Call with Agencies. This item was accepted and placed on file.
- D. E-mail to Coakley Executive Committee from Peter Britz dated 7/12/17 forwarding e-mail from Drew Hoffman of DES (dated 7/11/18) regarding Rye – Grove Rd and Breakfast Hill Landfills. This item was accepted and placed on file.
- E. E-mail to Coakley Executive Committee from Peter Britz dated 7/7/17 regarding Arsenic/Manganese Background Study. This item was accepted and placed on file.
- F. E-mail to Peter Britz from Andrew Hoffman of DES dated 7/20/17 forwarding PFAS Results Summary and Large Water Withdrawal Pump Test Information at Breakfast Hill Golf Course with Peter Britz forwarding the same information to the Coakley Executive Committee (dated 7/20/17). This item was accepted and placed on file.
- G. E-mail to Peter Britz from Gerardo Millan-Ramos of EPA requesting specific language for proposed signs dated 7/14/17 AND e-mail to Executive Committee from Peter Britz forwarding request dated 7/19/17 AND E-mail from Robert Sullivan to Public Works Director Peter Rice concerning the signage (dated 7/25/17) AND response from Gerardo Millan-Ramos of EPA concerning proposed sign (dated 7/28/17). This item was accepted and placed on file.
- H. E-mail to Peter Britz from Gerardo Millan-Ramos of EPA concerning pending items and forwarded to Coakley Executive Committee with an e-mail chain from July 20, 2017 through August 2, 2017. This item was accepted and placed on file.

- I. Miscellaneous newspaper articles. This item was accepted and placed on file.

The next Coakley teleconference call had been scheduled for Friday, September 29, 2017, at 10:00 a.m. but has since been **rescheduled to Wednesday, October 4, 2017, at 2:00 p.m.**

Dated: 9/26/17


Robert P. Sullivan, Esq. for the
Coakley Executive Committee

Memo

To: Coakley Executive Committee
From: Peter Britz, Coakley Technical Committee
Date: August 17, 2017
Re: Activity report

New Well Couplet Installation

Transducers in the Chinburg well recorded for approximately two weeks. The results were received and sent to NHDES and EPA on June 29th. Based on these results packer tests will be conducted which will then be reviewed in preparation for installing the two well couplets on the Sewall property.

Additional Investigations

Mr. Milan-Ramos and Mr. Hoffman have been asking that we determine if there are any wells available to the East of the Landfill. I sent a letter to the property owners where the wells were located and they allowed me to search their properties for wells. A well couplet was found. The wells appear to be GZ-109 and GZ-117 installed in 1993 or earlier as part of remedial investigations. The well logs for these wells will be reviewed (assuming we can find a record of them) and the wells will be re-established and sampled for 1,4 Dioxane, PFAS, Arsenic and Manganese as part of the fall sampling.

Surface Water Notice Signs

Four signs were installed on August 10, 2017 Sign text includes:
Contaminants associated with the Coakley Landfill Superfund Site have been detected in surface waters in this area. Further investigation and evaluation is ongoing. Please avoid contact with the surface water along the trail. Signs include EPA and CLG contact info.

Additional Residential Sampling

The agencies have requested that we sample three additional residential wells all outside of the GMZ for the site. Two southwest of the site 7 and 8 Woodknoll Drive and one South of the landfill 178A Lafayette Road. The Group has agreed to sample these one-time as part of the fall sampling round.

Fish Tissue Sampling

The agencies have requested that fish tissue sampling be performed by the Group. EPA is reviewing the protocol for such sampling which the Group will review upon receipt.

Adjustment to Remedy

Given the Surface Water Sampling Results found in the spring sampling round the agencies have requested a meeting of the Coakley Landfill Group to go over the existing remedy and determine if any adjustment is appropriate. In particular NHDES has specified the possibility of an active treatment program. A meeting is being scheduled between NHDES, USEPA, and the CLG.

Arsenic Manganese Study Workplan Proposal

This was provided to the agencies on July 14, 2017. We are waiting for their review and response.

SAP/QAPP

These documents were provided to the agencies on July 11, 2017 for their review.

Fall Sampling Round

This sampling round will begin with calls to residents the last week of August to schedule testing of the private drinking water wells. The site monitoring/data collection will begin the week of September 11, 2017.

Assessment

A draft budget projection is provided with the following draft assessment:

PRP	PRP Percent	OU-1 for 2017	OU-1 for 2018	OU-2 Totals	OU-2 for 2017	OU-2 for 2018	Waterline	OU-2 Totals
City of Portsmouth	53.55%	\$8,032.65	\$58,906.10	\$66,938.75	\$120,489.75	\$219,559.10	\$107,102.00	\$447,150.85
Generators	20.00%	\$3,000.00	\$22,000.00	\$25,000.00	\$45,000.00	\$82,000.00	\$40,000.00	\$167,000.00
Republic Services	12.31%	\$1,846.20	\$13,538.80	\$15,385.00	\$27,693.00	\$50,462.80	\$24,616.00	\$102,771.80
Town of Newington	5.46%	\$819.45	\$6,009.30	\$6,828.75	\$12,291.75	\$22,398.30	\$10,926.00	\$45,616.05
Waste Management	4.62%	\$692.25	\$5,076.50	\$5,768.75	\$10,383.75	\$18,921.50	\$9,230.00	\$38,535.25
Town of North Hampton	4.06%	\$609.45	\$4,469.30	\$5,078.75	\$9,141.75	\$16,658.30	\$8,126.00	\$33,926.05
Total	100.00%	\$15,000	\$110,000	\$125,000.00	\$225,000	\$410,000	\$200,000	\$835,000.00

Based on the table above the suggested assessment, after review and approval by the Group, would be sent out as follows:

OU-1

\$15,000 due October 1, 2017
\$110,000 due between 12/1/2017 – 3/1/2018

OU-2

\$225,000 due October 1, 2017
\$200,000 due October 1, 2017 (special waterline)
\$410,000 Due between 12/1/2017 – 3/1/2018

Attached please find the (DRAFT_Coakley Projection 2017-2037_rev2.pdf)

[illegible]

Prepared by:
Peter Britz June 2017

Cash Flow Projection for Operable Unit Two

Description	OU-2 Projected Costs	Settling Federal Agencies Payments	Settling Defendants' Payments to Cover Projected Costs	Portsmouth Projected Future Payments	Newington Projected Future Payments	North Hampton Projected Future Payments	Generators Projected Future Payments	Allied Waste Services Projected Future Payments	Waste Management Projected Future Payments	Trust Account Balance @ End of Period
Estimated Year 2017	\$ 341,000	\$ -	\$ -	\$ 53.551%	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 118,688
Estimated Year 2018	\$ 609,000	\$ 68,473	\$ 272,527	\$ 145,941	\$ 14,888	\$ 11,073	\$ 54,505	\$ 33,543	\$ 12,577	\$ 118,688
Estimated Year 2019	\$ 167,000	\$ 122,287	\$ 486,713	\$ 260,640	\$ 26,589	\$ 19,775	\$ 97,343	\$ 59,905	\$ 22,462	\$ (222,312)
Estimated Year 2020	\$ 93,000	\$ 33,534	\$ 133,466	\$ 71,472	\$ 7,291	\$ 5,423	\$ 26,693	\$ 16,427	\$ 6,159	\$ (609,000)
Estimated Year 2021	\$ 95,000	\$ 18,674	\$ 74,326	\$ 39,802	\$ 4,060	\$ 3,020	\$ 14,865	\$ 9,148	\$ 3,430	\$ (167,000)
Estimated Year 2022	\$ 98,000	\$ 19,076	\$ 75,924	\$ 40,658	\$ 4,148	\$ 3,085	\$ 15,185	\$ 9,345	\$ 3,504	\$ (93,000)
Estimated Year 2023	\$ 88,000	\$ 19,678	\$ 78,322	\$ 41,942	\$ 4,279	\$ 3,182	\$ 15,664	\$ 9,440	\$ 3,246	\$ (95,000)
Estimated Year 2024	\$ 70,000	\$ 17,670	\$ 70,330	\$ 37,662	\$ 3,842	\$ 2,858	\$ 14,066	\$ 8,886	\$ 2,582	\$ (88,000)
Estimated Year 2025	\$ 72,000	\$ 14,056	\$ 55,944	\$ 29,959	\$ 3,056	\$ 2,273	\$ 11,189	\$ 7,082	\$ 2,656	\$ (70,000)
Estimated Year 2026	\$ 74,000	\$ 14,458	\$ 57,542	\$ 30,814	\$ 3,144	\$ 2,338	\$ 11,508	\$ 7,279	\$ 2,729	\$ (72,000)
Estimated Year 2027	\$ 54,000	\$ 10,843	\$ 59,141	\$ 31,671	\$ 3,231	\$ 2,403	\$ 11,828	\$ 7,312	\$ 1,992	\$ (54,000)
Estimated Year 2028	\$ 79,000	\$ 15,863	\$ 63,137	\$ 33,810	\$ 3,449	\$ 2,565	\$ 12,627	\$ 7,771	\$ 2,914	\$ (79,000)
Estimated Year 2029	\$ 57,000	\$ 11,446	\$ 45,554	\$ 24,395	\$ 2,489	\$ 1,851	\$ 9,111	\$ 5,607	\$ 2,102	\$ (57,000)
Estimated Year 2030	\$ 59,000	\$ 11,847	\$ 47,153	\$ 25,251	\$ 2,576	\$ 1,916	\$ 9,431	\$ 5,804	\$ 2,176	\$ (59,000)
Estimated Year 2031	\$ 61,000	\$ 12,249	\$ 48,751	\$ 26,107	\$ 2,663	\$ 1,981	\$ 9,750	\$ 6,000	\$ 2,250	\$ (61,000)
Estimated Year 2032	\$ 62,000	\$ 12,450	\$ 49,550	\$ 26,535	\$ 2,707	\$ 2,013	\$ 9,910	\$ 6,099	\$ 2,287	\$ (62,000)
Estimated Year 2033	\$ 91,000	\$ 18,273	\$ 72,727	\$ 38,946	\$ 3,973	\$ 2,955	\$ 14,545	\$ 8,951	\$ 3,356	\$ (91,000)
Estimated Year 2034	\$ 66,000	\$ 13,253	\$ 52,747	\$ 28,247	\$ 2,882	\$ 2,143	\$ 10,549	\$ 6,492	\$ 2,434	\$ (66,000)
Estimated Year 2035	\$ 59,000	\$ 11,847	\$ 47,153	\$ 25,251	\$ 2,576	\$ 1,916	\$ 9,431	\$ 5,804	\$ 2,176	\$ (59,000)
Estimated Year 2036	\$ 61,000	\$ 12,249	\$ 48,751	\$ 26,107	\$ 2,663	\$ 1,981	\$ 9,750	\$ 6,000	\$ 2,250	\$ (61,000)
Estimated Year 2037	\$ 62,000	\$ 12,450	\$ 49,550	\$ 26,535	\$ 2,707	\$ 2,013	\$ 9,910	\$ 6,099	\$ 2,287	\$ (62,000)
Subtotal	\$ 2,418,000	\$ 485,535	\$ 1,932,465	\$ 1,034,854	\$ 105,571	\$ 78,516	\$ 386,493	\$ 237,848	\$ 89,183	\$ (2,299,312)

Prepared by:		OU-2 BUDGET 2017					
Peter Britz June 2017							
ITEM DESCRIPTION						Total	
			2034	2035	2036	2037	
Annual Monitoring			\$110 \$15,000	\$10,000	\$10,000	\$10,000	\$765,000
Well Repair							\$0
Water Line Extension							\$60,000
FPC-5A Replacement			\$100				\$200,000
2 well couplets for OU-2 GMZ expansion			\$100				\$10,000
OU-2 PFC sampling			\$100				\$125,000
Residential Sampling for PFC's			\$500				\$20,000
Groundwater Investigations			\$500				\$20,000
Coordinator			\$100 \$15,000	\$15,000	\$15,000	\$15,000	\$200,000
Engineering Assistance			\$500 \$5,000	\$5,000	\$5,000	\$5,000	\$310,000
Bank Fees (Trust acct)			\$500	\$500	\$500	\$500	\$105,000
Legal Fees			\$500	\$500	\$500	\$500	\$10,500
							\$0
							\$0
SUBTOTAL (YEAR 2017 DOLLARS)			\$300 \$36,000	\$31,000	\$31,000	\$31,000	\$1,836,000
CONTINGENCY (5%)			\$150 \$1,800	\$1,550	\$1,550	\$1,550	\$91,800
TOTAL ESTIMATED COST* (2017 DOLLARS)			\$321 \$37,800	\$32,550	\$32,550	\$32,550	\$1,927,800
FUTURE WORTH* (3% INFLATION)			\$341 \$66,000	\$59,000	\$61,000	\$62,000	\$2,418,000

Settling Federal Agencies Reimbursement					
Description	From	To	Interest Rate	Percent of Year Accrued	Interest Accrued
ACTUAL THROUGH DECEMBER 31, 1999					
Beginning Reserve					
Fiscal Year 1995	6/8/1995	9/30/1995	5.63%	31.00%	\$ 47,996
Fiscal Year 1996	10/1/1995	9/30/1996	5.86%	100.00%	\$ 163,963
Fiscal Year 1997	10/1/1996	9/30/1997	5.69%	100.00%	\$ 168,535
Fiscal Year 1998	10/1/1997	9/30/1998	5.61%	100.00%	\$ 175,621
Fiscal Year 1999	10/1/1998	9/30/1999	4.53%	100.00%	\$ 149,767
Fiscal Year 2000	10/1/1999	9/30/2000	5.30%	100.00%	\$ 183,162
Fiscal Year 2001	10/1/2000	9/30/2001	6.18%	100.00%	\$ 224,893
Fiscal Year 2002	10/1/2001	9/30/2002	3.35%	100.00%	\$ 129,442
Fiscal Year 2003	10/1/2002	9/30/2003	1.47%	100.00%	\$ 58,703
Fiscal Year 2004	10/1/2003	9/30/2004	1.27%	100.00%	\$ 51,461
Fiscal Year 2005	10/1/2004	9/30/2005	2.21%	100.00%	\$ 90,688
Fiscal Year 2006	10/1/2005	9/30/2006	4.11%	100.00%	\$ 172,383
Fiscal Year 2007	10/1/2006	9/30/2007	5.02%	100.00%	\$ 219,204
Fiscal Year 2008	10/1/2007	9/30/2008	4.34%	100.00%	\$ 199,024
Fiscal Year 2009	10/1/2008	9/30/2009	2.15%	100.00%	\$ 102,874
Fiscal Year 2010	10/1/2009	9/30/2010	2.24%	100.00%	\$ 109,485
Fiscal Year 2011	10/1/2010	9/30/2011	0.69%	100.00%	\$ 34,481
Fiscal Year 2012	10/1/2011	9/30/2012	0.74%	100.00%	\$ 37,234
Fiscal Year 2013	10/1/2012	9/30/2013	0.78%	100.00%	\$ 39,538
Fiscal Year 2014	10/1/2013	9/30/2014	0.81%	100.00%	\$ 41,378
Estimated Year 2015	10/1/2014	9/30/2015	0.75%	100.00%	\$ 38,624
Estimated Year 2016	10/1/2015	9/30/2016	0.67%	100.00%	\$ 34,763
Estimated Year 2017	10/1/2016	9/30/2017	0.67%	100.00%	\$ 34,996
Estimated Year 2018	10/1/2017	9/30/2018	0.67%	100.00%	\$ 35,230
Estimated Year 2019	10/1/2018	9/30/2019	0.67%	100.00%	\$ 35,466
Estimated Year 2020	10/1/2019	9/30/2020	0.67%	100.00%	\$ 35,704
Estimated Year 2021	10/1/2020	9/30/2021	0.67%	100.00%	\$ 35,943
Estimated Year 2022	10/1/2021	9/30/2022	0.67%	100.00%	\$ 36,184
Estimated Year 2023	10/1/2022	9/30/2023	0.67%	100.00%	\$ 36,426
Estimated Year 2024	10/1/2023	9/29/2024	0.67%	100.00%	\$ 36,670
Estimated Year 2025	9/30/2024	9/29/2025	0.67%	100.00%	\$ 36,916
Estimated Year 2026	9/30/2025	9/29/2026	0.67%	100.00%	\$ 37,163
Estimated Year 2027	9/30/2026	9/29/2027	0.67%	100.00%	\$ 37,412
Estimated Year 2028	9/30/2027	9/28/2028	0.67%	100.00%	\$ 37,663
Estimated Year 2029	9/29/2028	9/28/2029	0.67%	100.00%	\$ 37,915
Estimated Year 2030	9/29/2029	9/28/2030	0.67%	100.00%	\$ 38,169
Estimated Year 2031	9/29/2030	9/28/2031	0.67%	100.00%	\$ 38,425
Estimated Year 2032	9/29/2031	9/27/2032	0.67%	100.00%	\$ 38,682
Estimated Year 2033	9/28/2032	9/27/2033	0.67%	100.00%	\$ 38,942
Estimated Year 2034	9/28/2033	9/27/2034	0.67%	100.00%	\$ 39,203
Estimated Year 2035	9/28/2034	9/27/2035	0.67%	100.00%	\$ 39,465
Estimated Year 2036	9/28/2035	9/26/2036	0.67%	100.00%	\$ 39,730
Estimated Year 2037	9/27/2036	9/26/2037	0.67%	100.00%	\$ 39,996
Total					\$ 3,259,517
Date of EPA approval of 100% Design Report					
			6/1/1996		
Date of U.S. payment into Trust Fund					
			6/8/1992		
Assumed start date for accrual of interest					
			6/8/1995		
(3 years from initial pmt or date of approval of 100% Design Report, whichever is earlier)					
Fiscal year runs from Oct 1 to Sept 30					
Interest Rate per Section 107(a) of CERCLA, 42 U.S.C. paragraph 9607(a)					
Historical Superfund Interest Rates					
FISCAL YEAR	RATE	INSTRUMENT			
2016	0.67%	MK-Note			
2015	0.75%	MK-Note			
2014	0.81%	MK-Note	Average 2012-2016		
2013	0.78%	MK-Note	0.75%		
2012	0.74%	MK-Note			
2011	0.69%	MK-Note			
2010	2.24%	MK-Note			
2009	2.15%	MK-Note			
2008	4.34%	MK-Note			
2007	5.02%	MK-Note			
2006	4.11%	MK-Note			
2005	2.21%	MK-Note			
2004	1.27%	MK-Note			
2003	1.47%	MK-Note	https://www.epa.gov/si		
2002	3.35%	MK-Note			
2001	6.18%	MK-Bill			
2000	5.30%	MK-Bill			
1999	4.53%	MK-Bill			
1998	5.61%	MK-Bill			
1997	5.69%	MK-Bill			
1996	5.86%	MK-Bill			
1995	5.63%	MK-Bill			
1994	3.36%	MK-Bill			
1993	3.49%	MK-Bill			
1992	5.70%	MK-Bill			
1991	7.99%	MK-Bill			
1990	8.47%	MK-Bill			
1989	8.39%	MK-Bill			
1988	6.99%	MK-Bill			
1987	5.63%	MK-Bill			
1986	7.43%	MK-Bill			
1985	10.82%	MK-Bill			
1984	9.40%	MK-Bill			
1983	11.32%	T-Bill			
1982	17.26%	T-Bill			
1981	10.93%	T-Bill			
1980	10.88%	T-Bill			