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OCT 31 2014

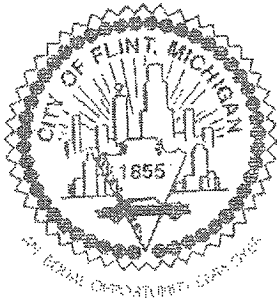
Application Due Date:
October 31, 2014

Financially Distressed Cities, Villages, and Townships Application (FY 2015)

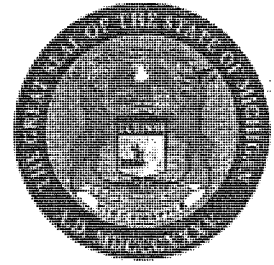
Issued under authority of 2014 Public Act 252.

Office of Revenue
& Tax Services

PART 1: APPLICANT INFORMATION			
1. Applicant Name City of Flint		2. Applicant Local Unit Code 252040	
3. Applicant FEIN PPI		4. Applicant County Genesee	
5. Mailing Address 1101 S. Saginaw St.	6. City Flint	7. State MI	8. ZIP Code 48502
PART 2: PROPOSAL OVERVIEW			
9. Proposal Title Water Pollution Control Incinerator Shutdown			
10. Estimated Start Date 09/01/2014		11. Estimated Completion Date 09/30/2015	
12. Estimated Total Proposal Cost \$ 2,012,000.00		13. Grant Amount Requested \$ 1,412,000.00	
14. Additional Local Units, if Participating in a Shared Service Project (include county and local unit code). Attach letters of support from each of the participating local units. See attached.			
15. Is the applicant(s) willing to devote appropriate resources and time to this proposal? ☒ Yes ☐ No If no, explain why the applicant(s) is unable to devote appropriate resources and time to the proposal.			
PART 3: PROPOSAL CONTACT INFORMATION			
Note: The proposal contact individual should be a vital part of the grant proposal and will be the Michigan Department of Treasury's contact.			
16. Contact Name Howard Croft		17. Contact Title Director of Department of Public Works	
18. Contact Telephone Number (810) 237-2043		19. Contact Fax Number (810) 766-7218	
20. Contact E-mail Address hcroft@cityofflint.com			
21. Contact Entity Name City of Flint			
PART 4: CONDITIONS OF PROBABLE FINANCIAL DISTRESS			
22. Indicate the conditions affecting the applicant that indicate probable financial distress (check all that apply and attach proof of existence for each condition checked).			
☐ 1. The governing body or the chief administrative officer of the city, village or township has requested a preliminary review. The request shall be in writing and shall identify the existing or anticipated financial conditions or events that make the request necessary.			
☐ 2. The state financial authority has received a written request from a creditor with an undisputed claim that remains unpaid 6 months after its due date against the city, village, or township that exceeds the greater of \$10,000.00 or 1% of the annual general fund budget of the city, village, or township, provided that the creditor has notified the city, village or township in writing at least 30 days before the creditor's request to the state financial authority of the creditor's intention to submit a written request.			
☐ 3. The state financial authority has received a petition containing specific allegations of financial distress signed by a number of registered electors residing within the city's, village's, or township's jurisdiction equal to not less than 5% of the total vote cast for all candidates for governor within the city's, village's, or township's jurisdiction at the last preceding election at which a governor was elected. The petition shall not have been filed within 60 days before any election of the city, village, or township.			
☐ 4. The state financial authority has received a written notification that the city, village, or township has not timely deposited its minimum obligation payment to the city's, village's, or township's pension fund, as required by law.			



CITY OF FLINT
OFFICE OF THE EMERGENCY MANAGER



Darnell Earley, ICMA-CM, MPA
Emergency Manager

October 30, 2014

Michigan Department of Treasury
Office of Revenue and Tax Analysis
P.O. Box 30722
Lansing, MI 48909

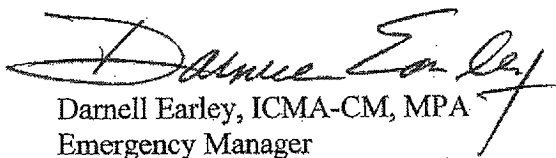
County: Genesee Local Unit Code: 252040

Please accept this letter as the City of Flint's commitment for the Michigan Department of Treasury Financially Distressed Cities, Villages, and Townships Grant Program. I am in full support of implementing the Water Pollution Control Incinerator Shutdown Project.

The City of Flint needs to implement this project to realize a net \$400,000 in annual savings from reduced purchase of natural gas, reduced maintenance and the avoidance of costly federally mandated incinerator upgrades. This savings will strengthen the Sewer Enterprise Fund and provide the capability for necessary investment in the water pollution control infrastructure.

I am committed to ensuring the success and sustainability of this initiative.

Sincerely,


Darnell Earley, ICMA-CM, MPA
Emergency Manager

PART 4: CONDITIONS OF PROBABLE FINANCIAL DISTRESS, CONTINUED

- ☐ 5. The state financial authority has received a written notification that the city, village, or township has failed for a period of 7 days or more after the scheduled date of payment to pay wages and salaries or other compensation owed to employees or benefits owed to retirees.
- ☐ 6. The state financial authority has received a written notification from a trustee, paying agent, bondholder, or auditor engaged by the city, village, or township of a default in a bond or note payment or a violation of 1 or more bond or note covenants.
- ☐ 7. The state financial authority has received a resolution from either the senate or the house of representatives requesting a preliminary review of the city, village, or township.
- ☐ 8. The city, village, or township has violated a requirement of, or a condition of an order issued pursuant to, former 1943 PA 202, revenue bond act of 1933, 1933 PA 94, MCL 141.101 to 141.140, the revised municipal finance act, 2001 PA 34, MCL 141.2101 to 141.2821, or any other law governing the issuance of bonds or notes.
- ☐ 9. The city, village, or township has violated the conditions of an order issued by the local emergency financial assistance loan board pursuant to the emergency municipal loan act, 1980 PA 243, MCL 141.931 to 141.942.
- ☐ 10. The city, village, or township has violated a requirement of sections 17 to 20 of the uniform budgeting and accounting act, 1968 PA 2, MCL 141.437 to 141.440.
- ☐ 11. The city, village, or township has failed to timely file an annual financial report or audit that conforms with the minimum procedures and standards of the state financial authority and is required for cities, villages, and townships under the uniform budgeting and accounting act, 1968 PA 2, MCL 141.421 to 141.440a.
- ☐ 12. The city, village, or township is delinquent in the distribution of tax revenues, as required by law, that it has collected for another taxing jurisdiction, and that taxing jurisdiction requests a preliminary review.
- ☐ 13. The city, village, or township is in breach of its obligations under a deficit elimination plan or an agreement entered into pursuant to a deficit elimination plan.
- ☐ 14. A court has ordered an additional tax levy without the prior approval of the governing body of the city, village, or township.
- ☒ 15. The city, village, or township has ended a fiscal year in a deficit condition as defined in section 21 of the Glenn Steil state revenue sharing act of 1971, 1971 PA 140, MCL 141.921, or has failed to comply with the requirements of that section for filing or instituting a financial plan to correct the deficit condition.
- ☐ 16. The city, village, or township has been assigned a long-term debt rating within or below the BBB category or its equivalent by 1 or more nationally recognized credit rating agencies.
- ☒ 17. There is an existence of other facts or circumstances that, in the state treasurer's sole discretion for a city, village or township, are indicative of probable financial stress. *(see attached, additional information)*

PART 5: PROPOSAL DETAILS

23. Describe Current Services: What is working well? What is not working?

See attached.

24. Describe Strategy, Project, or Service Proposal:

See attached.

Water Pollution Control Incinerator Shutdown Project Grant Application Supplemental Responses

Part 4 Question 17.

The City of Flint has been in receivership since December 2011. At that time the State of Michigan Financial Review Team found:

- The City has a general fund deficit of \$14,621,546 as of June 30, 2010 which was not eliminated within the two year preceding period.
- The City previously submitted a five year deficit elimination plan for a cumulative general fund deficit of \$7,046,820 as of June 30, 2008. However, by June 30, 2010 the cumulative general fund deficit had grown to \$14,621,546. An updated plan submitted for 2010 does not purport to eliminate the cumulative deficit until 2030 and that relies upon the issuance of an additional \$12 million of debt in 2013.
- A structural operating deficit existed in the general fund as of June 30, 2007, 2008, 2009, 2010 and the general fund is projected to have a \$6,768,864 deficit as of June 30, 2011.

The Comprehensive Annual Financial Report for the Fiscal Year ended June 30, 2011 was received in December 2011. The City's General Fund, which had a \$14.6 million deficit at the beginning of the year, ended it with an \$8.9 million deficit. The reduction in the deficit was due solely to an \$8 million Fiscal Stabilization Bond issued by the city in March 2011. In total, excluding the impact of the FSB proceeds and the Genesee Towers judgment levy, expenses in the General Fund exceeded revenues.

The City's Water Supply and Sewage Disposal systems also reported losses of \$6.6 million and \$14.1 million respectively. Increases in water and sewer fees have been implemented since the end of the fiscal year in an effort to forestall additional losses. However, the increases do not appear sufficient to address past deficits.

The City had actuarial accrued liability for post-employment benefits other than pension (OPEB) of \$862 million at June 30, 2011. Currently, the City is operating on a pay-as-you-go basis. In FY11, \$19.6 million was spent on premiums for health care, compared to the recommended amount of \$61.4 million.

The Auditors comments continued to note concerns with cash flow and with the timeliness of certain account and bank reconciliations.

Part 5. Question 23

Describe Current Services. What is working well? What is not working?

The City of Flint's Water Pollution Control Facility utilizes a sewage sludge incinerator to combust the organic solid or semi-solid by-product of the sewage treatment process for the purpose of reducing the volume of sludge to an ash end product. Incineration is a sludge disposal method that involves firing of

sewage by-product at high temperatures in an enclosed structure. All sludge incinerators use auxiliary fuel (natural gas) for burning. The incinerator is a highly mechanized system of burning and air pollution control that must be managed with a high level of expertise and maintenance. The cost of natural gas has continued to increase. This is a high cost operation for process operator labor and maintenance personnel. New Environmental Protection Agency requirements for incinerator emission limits and operator training must be in compliance by May 2016 following approval of a State plan. In order to meet the new compliance standards capital expenditures must be made which will total \$8.75million.

Question 24.

Describe strategy, Project or Service Proposal

The City of Flint has chosen to avoid the costly upgrades required to comply with the new EPA regulations by shutting down the incinerator process and to build a load-out facility which will landfill (Type II Landfill) the sewage sludge by-product and eventually to develop a land application process for the sewage sludge. This project includes the construction of a new biosolids loading building (BLB) – see attached Water Pollution Control Facility drawing, and the proposed load out facility drawing. This project will include the provision of equipment in both the new building and an existing dewatering building to enable conveyance and loading of biosolids cake into trucks or large roll-off containers. Major pieces of equipment will be supplied by the City, such as conveyance equipment in the new building and the existing dewatering building, and biosolids cake pumps to be used to move the cake from the dewatering to the BLB. The existing biosolids dewatering and incineration must be kept functional and in operation during construction. As an end result the incinerator can be shut down and the maintenance staff can be reduced.

Part 5 Question 30

Detailed List of proposed expenditures. Explain how the expenditures support and are essential to the proposal.

Construction Contractor \$1,362,000

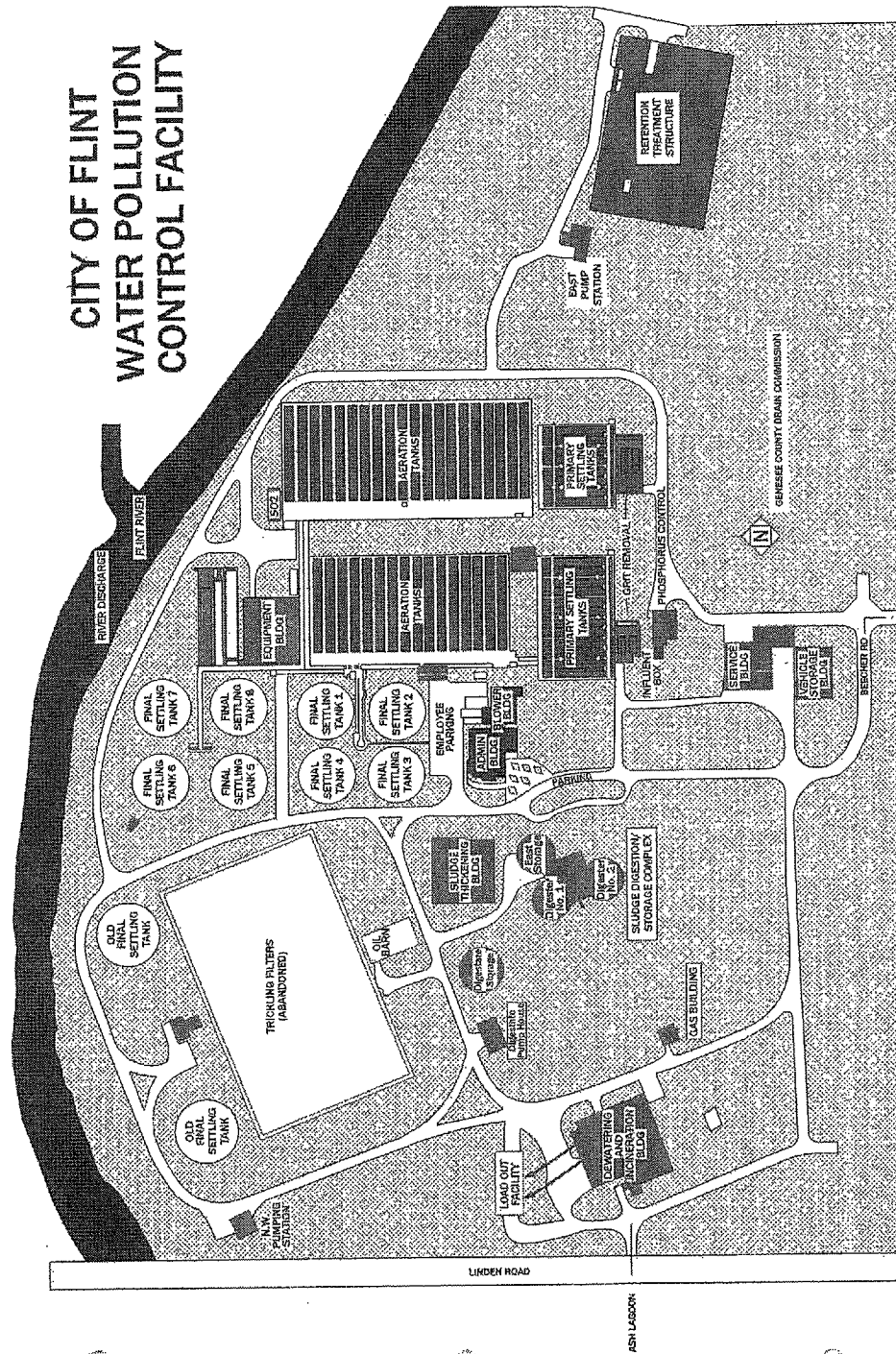
See Bid Tabulation Sheet – tasks described, includes cost per task and estimated time to completion for each task. This is the construction work necessary to implement the incinerator shutdown.

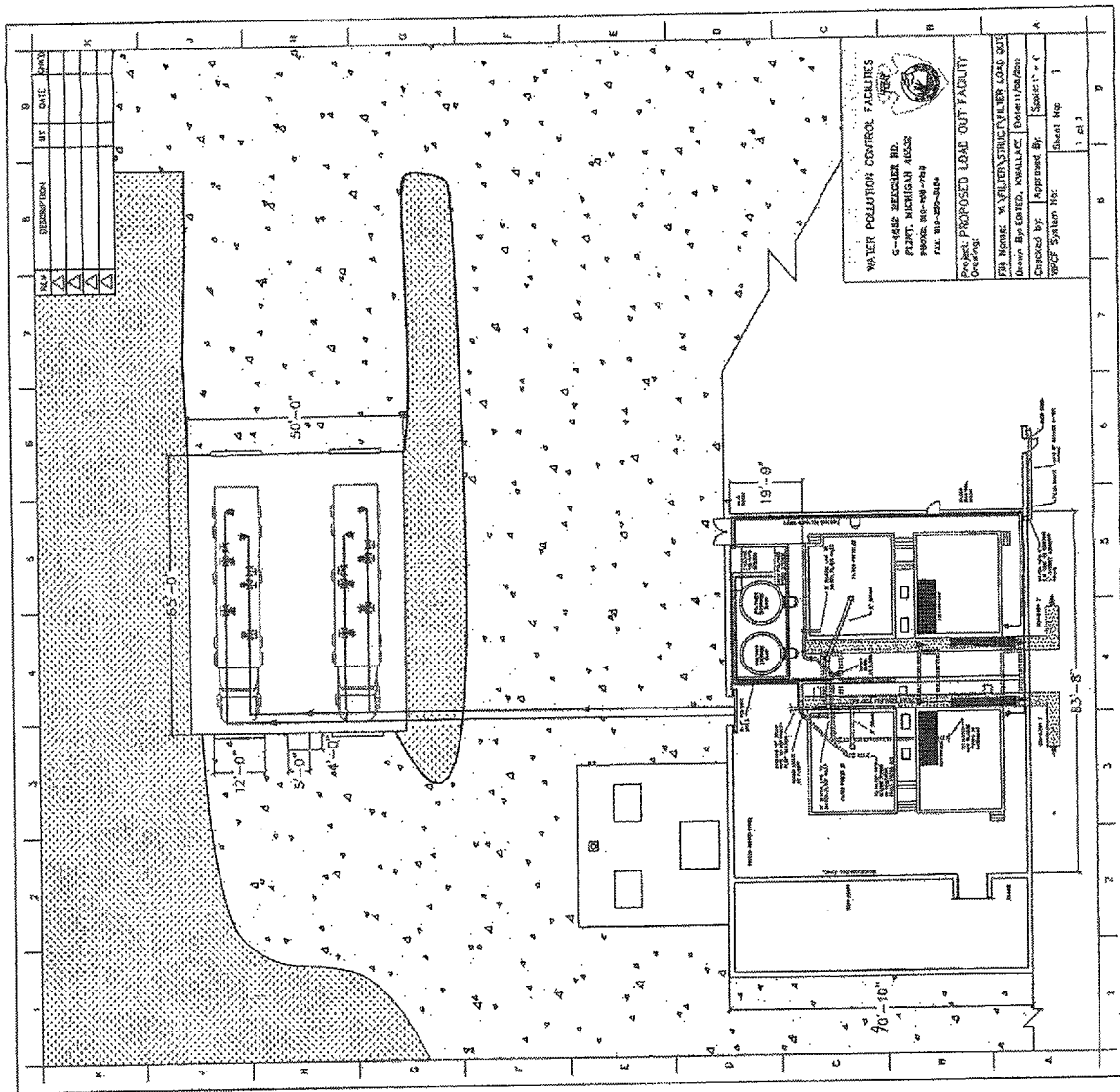
Capital Equipment \$600,000

The City of Flint is providing capital equipment needed for this project, including conveyance equipment in the new building and the existing dewatering building; also the biosolid cake pumps which will move the cakes to the biosolids load building (load-out facility).

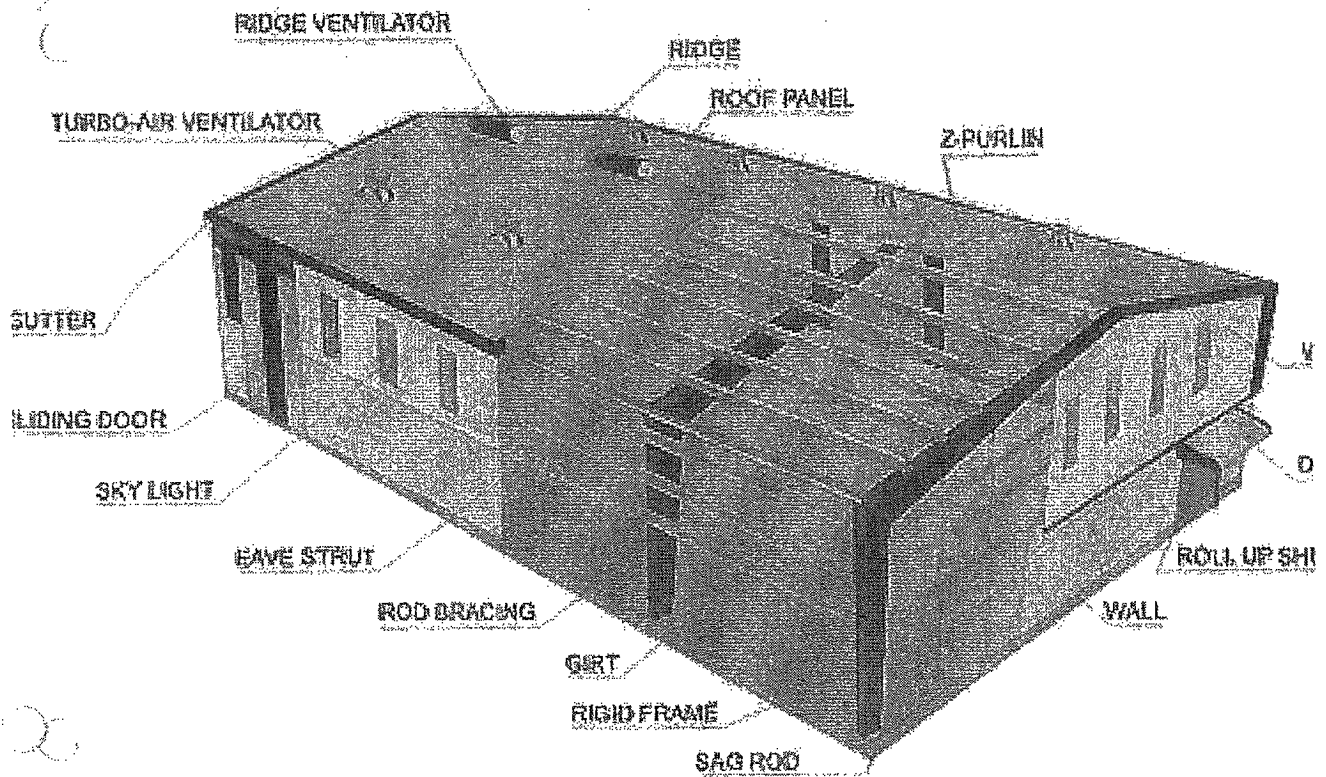
Project Management \$50,000

The City does not have an in-house City Engineering staff; project management is therefore contracted with a local engineering firm. The engineer will be responsible for project oversight and necessary reporting.





Pre-Engineering Building



Question 28 C Calculations of Cost Savings

	Incinerator Current Process	Incinerator W/ Required Upgrades	Biosolids w/ Load-Out Facility
Operations Personnel	\$312,523	\$375,027	\$109,383
Maintenance Personnel	\$56,098	\$49,086	\$14,024
Electrical Personnel	\$7,487	\$7,487	\$4,492
Natural Gas	\$215,000	\$215,000	\$0
Electricity	\$127,000	\$127,000	\$30,000
Speciality Contracted Services	\$15,000	\$15,000	
Landfill Contract	\$60,000	\$60,000	\$250,000
Repair Parts	\$30,000	\$30,000	\$30,000
CEMS Monitoring Supplies	\$7,947	\$70,000	\$0
Process Chemicals	\$50,050	\$70,000	\$50,050
Annual Emissions Testing		\$120,000	
Operator Training and Certif.		\$20,000	
Recordkeeping and Reporting		\$40,000	
TOTALS Per Year Expenses	\$881,105 (See Chart #1)	\$1,198,600 (See Chart #2)	\$487,949 (See Chart #3)

Capital Expenses

\$8,750,000
(see Chart #4)

\$1,976,000
(See Attached Bid Tabulation + \$600,000
City supplied capital equipment +
\$50,000 project mgt.)

Summation:

There is an annual savings of \$393,156 by changing from current incinerator process to the load-out facility and closing the Incinerator.
This is the annual long term savings.

There is an annual cost avoidance savings of \$317,495 comparing the current incinerator process to the upgraded incinerator.

Additionally, there is a \$6,738,000 project cost avoidance by not upgrading the incinerator and instead building the load-out facility.
This is the short term savings.

5 Year Total Savings = \$6,738,000 (Yr 1) + (4 x \$393,156) (Yr 2-5) = \$8,310,624

City of Flint
WATER POLLUTION CONTROL DIVISION

Incineration Processing Cost Estimate 2014

Current: O+M Only

DESCRIPTION	COST			
	Per Year*		Per Day	
Operations Personnel	\$ 312,522.86	\$ 22.00 shifts per week	\$ 856.23	
Maintenance Personnel	\$ 56,097.95	\$ 4.00 shifts per week	\$ 153.69	
Electrical Personnel	\$ 7,486.82	\$ 0.50 shifts per week	\$ 20.51	
Natural Gas	\$ 215,000.00	FY 2014 Usage	\$ 589.04	
Electricity	\$ 127,000.00		\$ 347.95	
Specialty Contracted Services	\$ 15,000.00		\$ 41.10	
Repair Parts	\$ 30,000.00		\$ 82.19	
CEMS Monitoring Supplies	\$ 7,947.00		\$ 21.77	
Process Chemicals	\$ 50,049.60	FBP Polymer	\$ 137.12	
<u>Total Cost of Incineration</u>	\$ 821,104.22		\$ 2,249.60	
Sludge Processed (Wet Tons)	10,870	per calendar year	29.8	per calendar day
COST OF INCINERATION per WET TON OF SLUDGE			\$ 75.54	per WT

City of Flint
WATER POLLUTION CONTROL DIVISION

Incineration Processing Cost Estimate 2016

DESCRIPTION	COST			
	Per Year*		Per Day	
Operations Personnel (full staff)	\$ 375,027.43	\$ 22.00 shifts per week	\$ 1,027.47	
Maintenance Personnel	\$ 49,085.70	\$ 3.50 shifts per week	\$ 134.48	
Electrical Personnel	\$ 7,486.82	\$ 0.50 shifts per week	\$ 20.51	
Natural Gas	\$ 215,000.00	FY 2014 Usage	\$ 589.04	
Electricity	\$ 127,000.00		\$ 347.95	
Specialty Contracted Services	\$ 15,000.00		\$ 41.10	
Mechanical and Instrumentation Pa	\$ 60,000.00		\$ 164.38	
CEMS Monitoring and Supplies	\$ 70,000.00		\$ 191.78	
Process Chemicals	\$ 70,000.00	FBP Polymer	\$ 191.78	
Ash Disposal	\$ 60,000.00		\$ 164.38	
NEW REQUIREMENTS				
Annual Emission Testing	\$ 120,000.00			
Operator training and Certification	\$ 20,000.00			
Recordkeeping and Reporting	\$ 40,000.00			
<u>Total Cost of Incineration</u>	\$ 1,228,599.95		\$ 3,366.03	
Sludge Processed (Wet Tons)	10,870	per calendar year	29.8	per calendar day
COST OF INCINERATION per WET TON OF SLUDGE			\$ 113.03	per WT

City of Flint
WATER POLLUTION CONTROL DIVISION

Biosolids Landfilling Cost Estimate 2016

Future Proj.: O + M Only

DESCRIPTION	COST			
	Per Year*		Per Day	
Operations Personnel	\$ 109,383.00	\$ 7.00 shifts per week	\$ 299.68	
Maintenance Personnel	\$ 14,024.49	\$ 1.00 shifts per week	\$ 38.42	
Electrical Personnel	\$ 4,492.09	\$ 0.30 shifts per week	\$ 12.31	
Natural Gas	\$ -		\$ -	
Electricity	\$ 30,000.00		\$ 82.19	
Landfill Contract Tip and Haul Service	\$ 250,000.00		\$ 684.93	
Repair Parts	\$ 30,000.00		\$ 82.19	
CEMS Monitoring Supplies	\$ -		\$ -	
Process Chemicals	\$ 50,049.60	FBP Polymer	\$ 137.12	
<u>Total Cost of Incineration</u>	\$ 487,949.18		\$1,336.85	
Sludge Processed (Wet Tons)	10,970	per calendar year	\$29.78	per calendar day
COST OF INCINERATION per WET TON OF SLUDGE			\$ 44.89	per WT

Loadout Facility

City of Flint
WATER POLLUTION CONTROL DIVISION

*Required
Upgrades:
Part 60*

Incineration Cost Study:

**Projected Regulatory Compliance
Expenses for New MACT Standards**

The following are major capital expense estimates to comply with new incinerator emissions regulations under Section 129 of the Clean Air Act. (40 CFR Part 60, Subpart Mmmm).

DESCRIPTION	ESTIMATED COST
Upgraded more powerful ID Fans	\$ 480,000.00
VenturiPak and Other Scrubber Add-ons	\$ 6,400,000.00
Low Nox Burners	\$ 560,000.00
Upgraded Instrumentation and Controls	\$ 320,000.00
New CEMS (Emission Monitors)	\$ 480,000.00
Emissions Testing - Startup	\$ 160,000.00
Operator Training	\$ 50,000.00
New Permit (Title V) Preparation	\$ 60,000.00
Administration and Engineering	\$ 240,000.00
<u>Total Cost of Incinerator Upgrades for Part 60</u>	\$ 8,750,000.00
<u>MMMM Compliance</u>	

REQUIREMENT / TABULATION

Bidder hereby agrees to complete the Work in accordance with the Contract Documents for the following lump sum price(s):

TASK	GENERAL DESCRIPTION	ESTIMATED TIME TO COMPLETE	COST
1	Installation of two new Owner-supplied progressive cavity cake pumps for dewatered biosolids.	6 wks.	91,902. ⁰⁰
2	Modification of existing conveyor belts.	1 wk.	28,553. ⁰⁰
3	Installation of Owner-supplied new screw conveyors in the Dewatering Building.	4 wks.	54,878. ⁰⁰
4	Installation of a piping system to conduct the biosolids from the dewatering building to the new building.	14 wks.	217,755. ⁰⁰
5	Construction of a new building to house truck loading equipment for the biosolids.	18 wks.	745,032. ⁰⁰
6	Installation of Owner-supplied new screw conveyors in the new building.	5 wks.	67,150. ⁰⁰
7	Site improvements to facilitate trucking of the biosolids off plant grounds, including a new automatic gate and paving work.	1 wk.	156,740. ⁰⁰
100% Complete	GRAND TOTAL		\$ 1,362,000. ⁰⁰

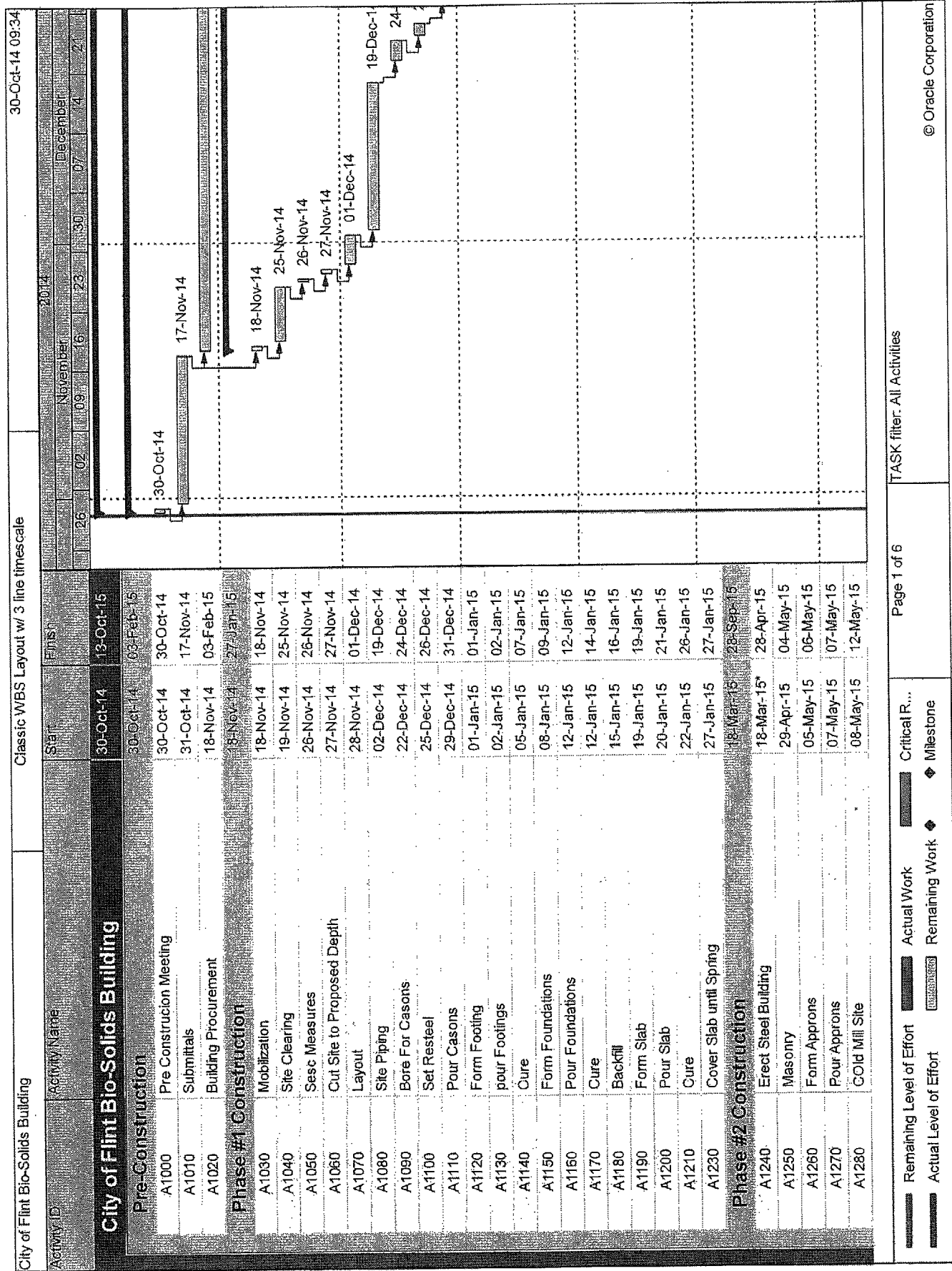
Bidder certifies that:

This Bid is genuine and not made in the interest of or on behalf of any undisclosed individual or entity and is not submitted in conformity with any collusive agreement or rules of any group, association, organization, or corporation;

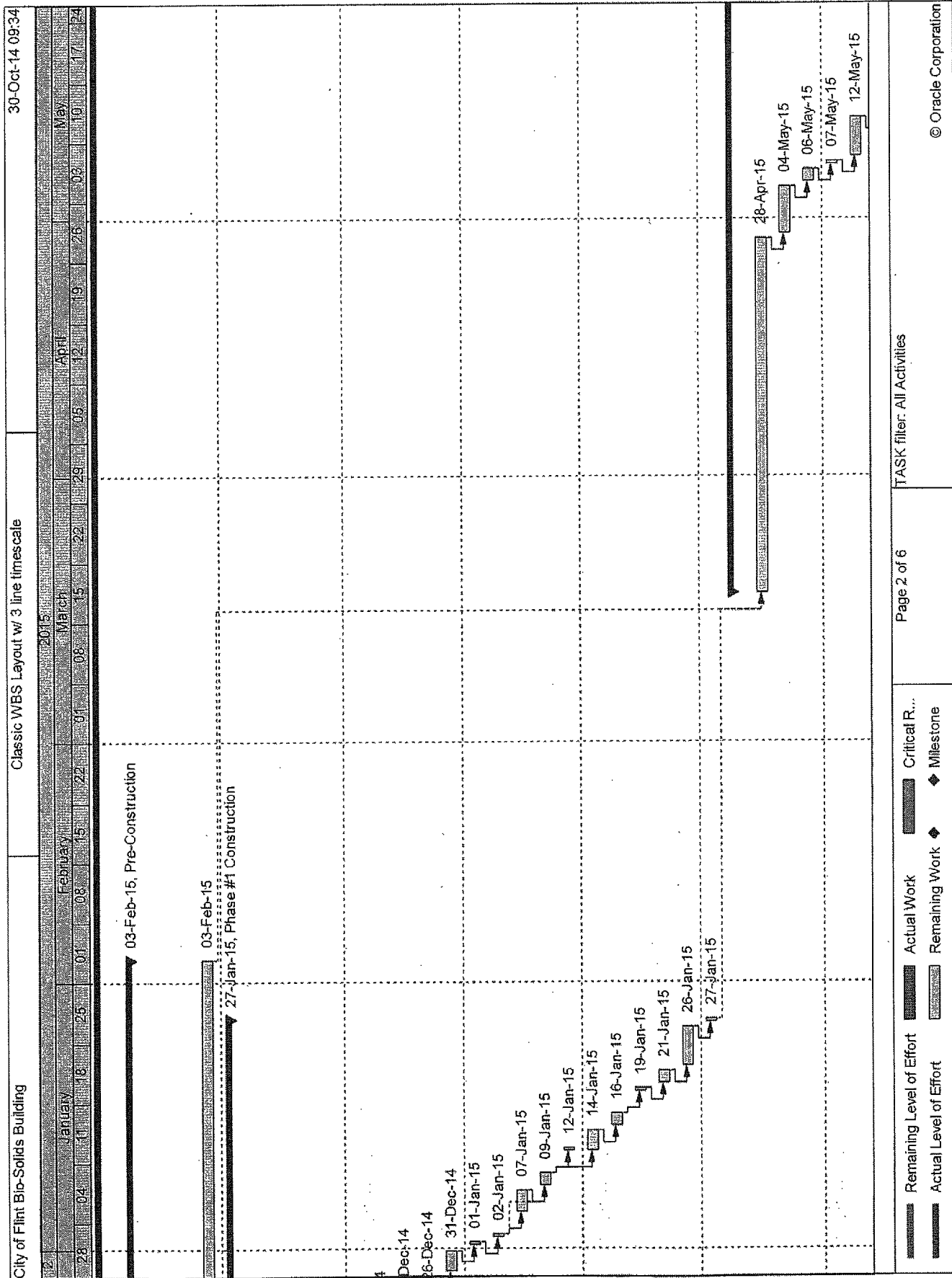
Bidder has not directly or indirectly induced or solicited any other Bidder to submit a false or sham Bid;

Bidder has not solicited or induced any individual or entity to refrain from bidding; and

Alt. #1: Deduct \$20,500 -

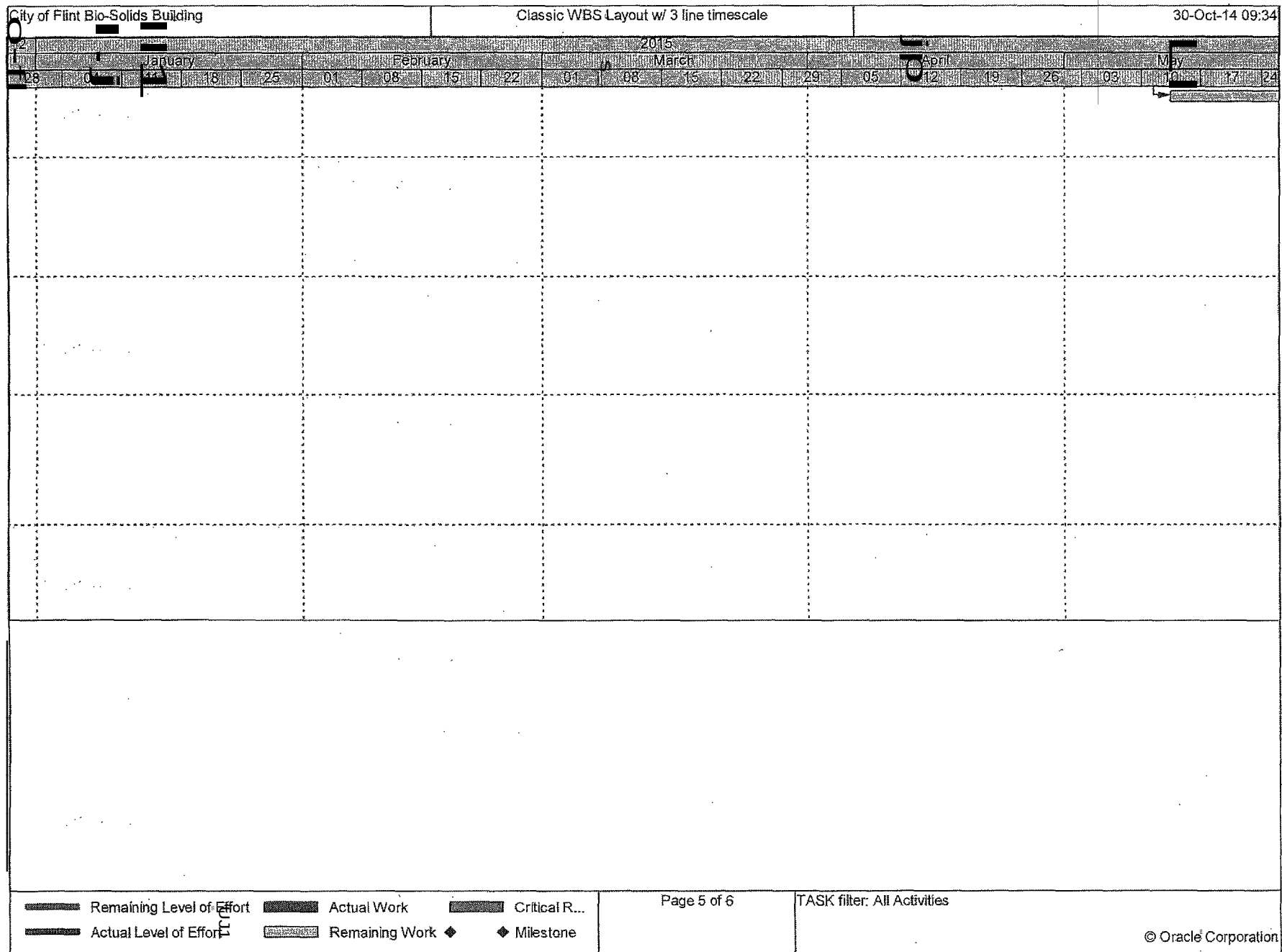


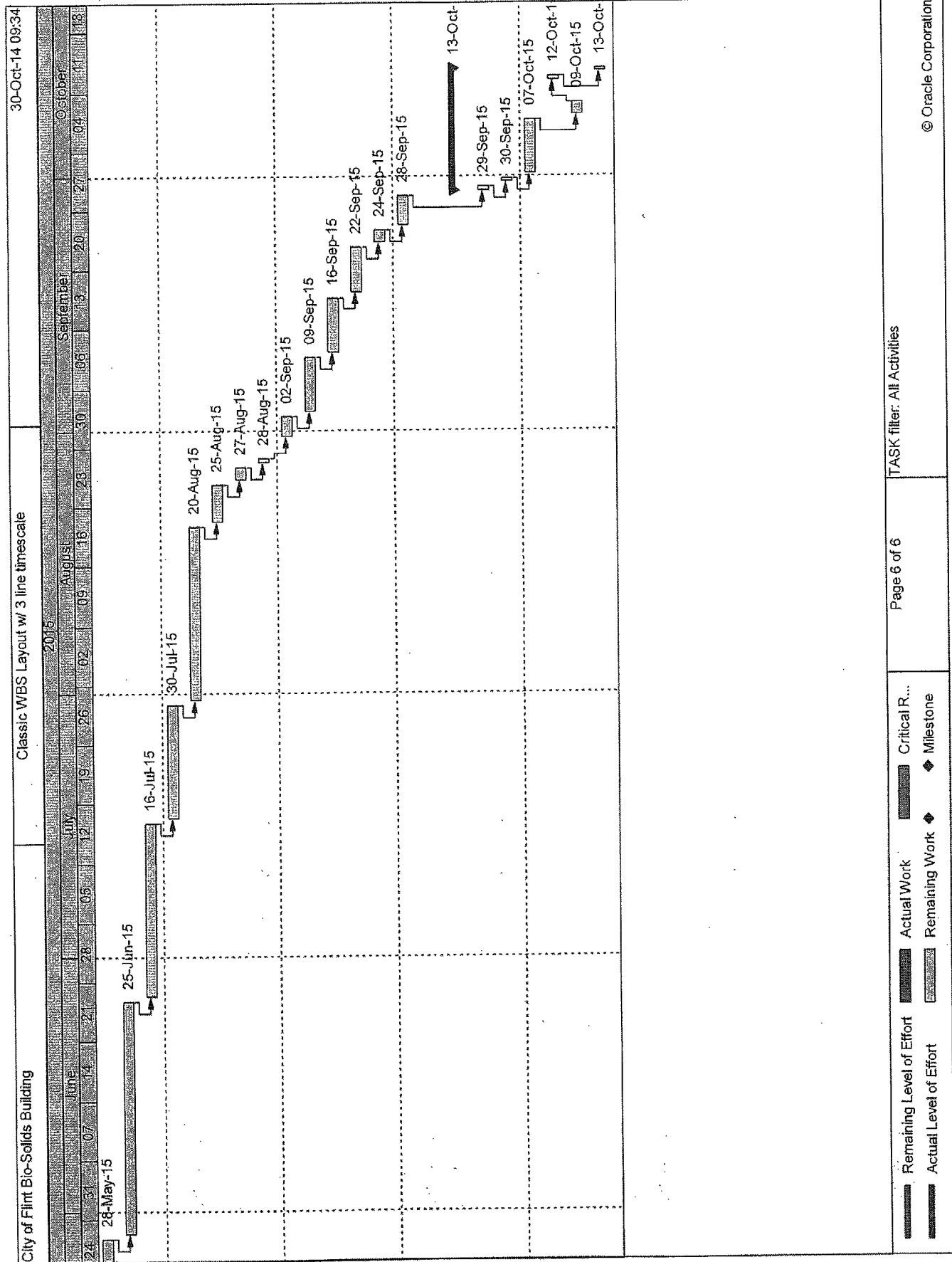
WORK PLAN P.1 of 6



WBS PLAN D.2 of 6

WORK PLAN D.24 of 6





WORK PLAN 0.6 of 6

PART 5: PROPOSAL DETAILS, CONTINUED

25. Describe How Grant Funding will Lead the Applicant Toward Financial Stability:

The Water Pollution Control Facility is funded through the Sewage Enterprise Fund which receives revenue via residential water bills and commercial sewage strength calculations and billing. The fund has been replenished in recent years, though significant rate increases were required to do so. The City seeks savings in operations to decrease expenditures, realize savings and stabilize rates. Maintaining a healthy fund balance allows the City the opportunity to make needed investments in the water pollution control infrastructure.

26. Goals, Measures, and Business Objectives of this Proposal: What are the outcomes you hope to achieve? How will you measure the outcomes?
Provide the measures which will be used to determine the success of the proposal.

The goal is shut down of the Water Pollution Control Facility incinerator. This shut down will mean an immediate savings in natural gas purchase, a reduction in maintenance staff and the cost avoidance of a very expensive EPA compliance requirement. Savings will be reflected in the quarterly budget expense reports and year over year expense comparisons.

27. Potential Barriers: Describe any barriers that currently exist that may have an impact on the implementation of the proposal.

The City has sent requests for proposals; this was followed by selecting a construction vendor and executing a contract. Seven task areas were identified and the estimated completion time and costs for each task is attached as part of Question #29. As the end of the 2014 construction season is approaching the vendor has been encouraged to get outdoor work underway as quickly as possible. At this point it is still expected that the project can be completed and be fully operational by December 1, 2015.

28. Cost Savings: Will the proposal save money?

☒ Yes ☐ No

A. SHORT-TERM (1 year or less)

☒ Yes ☐ No

Estimated Short-Term Savings

\$ 6,738,000.00

B. LONG-TERM (Greater than 1 year)

☒ Yes ☐ No

Estimated Annual Long-Term Savings

\$ 393,156.00

Estimated 5 Year Total Savings

\$ 8,310,624.00

C. Did you attach a detailed calculation of the cost savings and provide an explanation of how the cost savings were calculated?

☒ Yes ☐ No

29. Work Plan and Proposal Timeline: What are the implementation steps to ensure this proposal's success? What are the projected outcomes at each step?

See attached Workplan - 6 pages:

30. Total Grant Budget Worksheet: For each budget category, attach a detailed list of proposed expenditures. Explain how the expenditures support and are essential to the proposal.

31. Additional Information and Comments:

PART 6: CERTIFICATION

32. I certify that all statements in this application, including all requested supplemental information, are true, complete and accurate to the best of my knowledge. If awarded, I agree to allow the Michigan Department of Treasury and the State Auditor General's Office (and/or any of their duly authorized representatives) access, for the purposes of inspection, audit, and examination, to any books, documents, papers, and records of the grantee which are related to this proposal. I agree to allow the Michigan Department of Treasury to conduct periodic program reviews of the proposal. The purpose of these reviews will be to determine adherence to stated proposal goals and to review progress of the proposal in meeting its objectives. I agree to submit semiannual and final narrative and financial status reports and a one-year Final Follow-up Report to the Michigan Department of Treasury. I understand that failure to submit any required reports may result in the termination of the grant. I understand that this grant may be terminated if the Michigan Department of Treasury concludes that I am not in compliance with the conditions and provisions of this grant, or have falsified any information. By way of signature, I agree with all conditions of this grant program.

Applicant's Chief Administrative Officer Signature (as defined in MCL 141.422b)

Date _____

Printed Name of Applicant's Chief Administrative Officer (as defined in MCL 141.422b)

Title

Darnell Earley, ICMA-CM, MPA

Emergency Manager

Applications are due October 31, 2014. Completed applications submitted via mail or e-mail must be received by the Michigan Department of Treasury no later than 11:59 p.m. on Friday, October 31, 2014. Incomplete applications may not be considered.

A signed and completed application (including attachments) can be submitted by e-mail to TreasRevenueSharing@michigan.gov or by mail to:

Michigan Department of Treasury
Office of Revenue and Tax Analysis
PO Box 30722
Lansing, MI 48909

United States
Environmental Protection
Agency
<http://www.epa.gov/ttn/atw/129/ssi/ssibg.html>

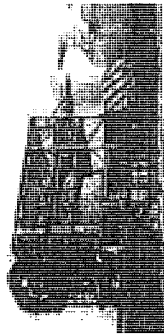
September 2011

Office of Air Quality Planning & Standards



Summary of Regulations Controlling Air Emissions from

Sewage Sludge Incinerators



**Standards of Performance for New
Stationary Sources and Emission
Guidelines for Existing Sources:
Sewage Sludge Incineration Units
(40 CFR Part 60, Subparts LLLL and
MNNM)**

FINAL RULE

March 21, 2011 (76 FR 15372)



What records are required?

- ◆ Records of operator training.
- ◆ Records that demonstrate compliance with emission limits, including records for testing, operating parameters, and continuous monitoring.
- ◆ Records of air pollution control device inspections.
- ◆ Records of all plans, reports, and notifications.
- ◆ Records of inspections, calibrations, validation checks, monitoring plans, and performance evaluation results of monitoring control devices.
- ◆ Records of bypass stack usage.
- ◆ Records of malfunctions.

For More Information

Copies of the rule and other materials are located at:

<http://www.epa.gov/ttn/atw/129/ssi/ssibg.html>

For more information on this regulation, please call your state or local air pollution control agency or the EPA Regional Office covering your state. EPA Regional contact information can be found on the internet, at the following address:

<http://www.epa.gov/aboutepa/index.html#regional>

For more information on state requirements, please contact your state representative found at the following link:

<http://www.4cleanair.org/contactUsaLevel.asp>

What are the compliance dates?

EXISTING SOURCES:

Emission limits: As expeditiously as practicable after State plan approval, but no later than 3 years after State plan approval or by May 20, 2016, whichever is earlier.

Operator training: Must be completed by the later of: the final compliance date; 6 months after unit startup; or 6 months after an employee assumes responsibility for operating the unit or supervising operation of the unit.

NEW SOURCES:

Emission limits: Within 60 days after your SSI unit reaches the feed rate at which it will operate, or within 180 days after initial startup, whichever is earlier.

Operator training: Six months after your SSI unit starts up, or before an employee assumes responsibility for supervising or operating the unit.

What reports are required?

- ◆ New sources: Notification of construction (including a siting analysis) and notification of initial startup.
- ◆ Existing sources taking more than 1 year to comply: Final control plan and notification of increments of progress.

All Sources:

- ◆ Monitoring plan for each continuous monitoring system, bag leak detection system and ash handling system.
- ◆ Initial and annual compliance reports and deviation reports.
- ◆ Submittal to EPA's Central Data Exchange of performance test data and relative accuracy test audit data for continuous monitors (using EPA's Electronic Reporting Tool).

Summary of Sewage Sludge Incinerator Emission Limits and Operator Training Requirements

SSI Unit [1]	Summary of Requirements [2]
Existing SSI units: Commenced construction or reconstruction of the unit on or before October 14, 2010	
Fluidized bed Multiple hearth	- Obtain and maintain operator training and qualification. - Meet emission limits for PM, HCl, dioxins/furans, Hg, NO_x, SO₂, Cd, Pb, and CO. - Limit visible emissions of combustion ash from an ash conveying system to ≤5 percent.
New SSI units: Commenced construction/reconstruction of the unit after October 14, 2010	
Fluidized bed Multiple hearth	- Obtain and maintain operator training and qualification. - Meet emission limits for PM, HCl, dioxins/furans, Hg, NO_x, SO₂, Cd, Pb, and CO. - Install and operate CEMS to monitor CO. - Limit visible emissions of combustion ash from an ash conveying system to ≤5 percent.
[1] Fluidized bed incinerator: Enclosed device in which organic and inorganic matter in sewage sludge are combusted in a bed of particles suspended in the combustion chamber gas. Multiple hearth incinerator: Circular steel furnace that contains a number of solid refractory hearths and a central rotating shaft; rabble arms that are designed to slowly rake the sludge on the hearth are attached to the rotating shaft. [2] Existing and new FB and MH incinerators must all meet emission limits for the same nine pollutants; however, the numerical emission limits are different for each of the subcategories.	

Which SSI units are affected?

- SSI units located at wastewater treatment facilities that are designed to treat domestic sewage sludge.

What is an SSI unit?

- An SSI unit is an incineration unit combusting sewage sludge for the purpose of reducing the volume of the sewage sludge by removing combustible matter.
- An SSI unit includes the following:
 - Sewage sludge feed system, auxiliary fuel feed system, grate system, flue gas system, waste heat recovery equipment, and bottom ash system.
 - All ash handling systems connected to the bottom ash handling system.

How do I comply?

You comply by obtaining operator training and demonstrating that your SSI meets specified air pollutant emission limits, as summarized in the table above. The emission limits are based on the construction date of the unit and the type of unit.

Obtain Operator Training and Qualification

- Obtain operator training through a state-approved program or by completing the requirements in the rule, which include a state-approved examination.
- Establish a program for reviewing with plant personnel the operator training procedures and information such as how to operate the incinerator and air pollution control systems to meet the rule's requirements.
- Complete an annual review or refresher course.

Meet Emission Limits

- Conduct initial performance test and establish operating parameters.
- Repeat performance test every year.
- Monitor and collect data to demonstrate compliance with operating limits.
- Conduct initial and annual inspections of the air pollution control device.
- Continuously monitor the minimum temperature of the combustion chamber.
- Prepare a site-specific monitoring plan for each continuous monitoring system, bag leak detection system, and ash handling system.
- Conduct initial and periodic performance evaluation of each continuous monitoring system, bag leak detection system, and ash handling system.

Do the rules provide flexibility?

- You may install and operate continuous monitoring systems (CEMS) for PM, HCl, dioxins/furans, Hg, NO_x, SO₂, Cd, and Pb and CO instead of conducting annual performance tests. New units must install CO CEMS.
- You may install a continuous automated sampling system for Hg and dioxins/furans instead of annual performance testing.
- To demonstrate initial compliance, existing units may use results from a test conducted within 2 previous years, if the test was conducted under the same conditions and no process changes have been made since.
- You may conduct performance tests every third year if performance tests for a pollutant for at least 2 consecutive years show that emissions are at or below 75 percent of the emission limit.

BID REQUIREMENTS / TABULATION

Water Pollution Control
G-4652 Beecher Rd.
Flint, MI 48532

PROVIDE TO WATER POLLUTION CONTROL ALL THE LABOR AND MATERIALS AS SPECIFIED IN THE ATTACHED BID DOCUMENTS TO CONSTRUCT A BIOSOLIDS LOADING FACILITY. ADDITIONAL ITEMS AS REQUESTED.

QUANTITIES (DOLLAR AMOUNTS) ARE NOT GUARANTEED.

FOR FURTHER INFORMATION PLEASE CONTACT ROBERT J. CASE, WPC SUPERVISOR OR JOHN FLORSHINGER, AUTOMATION SUPERVISOR AT (810) 766-7210 EXTENSION 3641.

Only the specifier has the responsibility and judgment for determining whether a proposed substitution is an "or equal or exceeding" specification. Mfg., model #, and supporting documentation of specifications for alternates must be provided.

City of Flint - Water Pollution Control Solids Handling Improvements – Biosolids Loading Facilities

This project includes the construction of a new Biosolids Loading Building (BLB) and provision of equipment in both the new building and an existing Dewatering Building to enable conveyance and loading of biosolids cake into trucks or large roll-off containers. Major pieces of equipment will be Owner-supplied, such as the conveyance equipment in the new building and the existing dewatering building, and biosolids cake pumps to be used to move the cake from the Dewatering to the BLB.

The existing biosolids dewatering and incineration must be kept functional and in operation during the construction. However, it is only necessary to have one of the two dewatering equipment trains (East or West) operational at one time.

Specifics include all required labor, material, and equipment to perform the work as noted:

1. Installation of two new Owner-supplied progressive cavity cake pumps for dewatered biosolids.
2. Modification of existing conveyor belts.
3. Installation of Owner-supplied new screw conveyors in the Dewatering Building to enable use of any of four dewatering centrifuges or belt filter presses.
4. Installation of a piping system to conduct the biosolids from the Dewatering Building to the new building. Provide all required bonds, insurance, warranties, and guarantees.
5. Construction of a new building to house truck loading equipment for the biosolids.
6. Installation of Owner-supplied new screw conveyors to distribute the cake into containers in the new building.

7. Site improvements to facilitate trucking of the biosolids off plant grounds, including a new automatic gate and minor paving work.

A Pre-Bid meeting will be held at Water Pollution Control on Thurs., July, 24, 2014 at 10:00 a.m. EST. Attendance is not mandatory, but highly recommended.
Bids are due on Thurs., August 7, 2014 by 3:00 p.m. EST.

ARTICLE 1 - QUALIFICATIONS OF BIDDERS

Bidder is advised to carefully review those portions of the Bid Form requiring Bidder's representations and certifications.

To demonstrate Bidder's qualifications to perform the Work, within 3 days of Owner's request, Bidder shall submit written evidence such as financial data, previous experience, present commitments, and such other data as may be called for below.

ARTICLE 2 - BIDDER'S ACKNOWLEDGEMENTS

Bidder accepts all of the terms and conditions of the Instructions to Bidders, including without limitation those dealing with the disposition of Bid security. This Bid will remain subject to acceptance for 120 days after the Bid opening, or for such longer period of time that Bidder may agree to in writing upon request of Owner.

ARTICLE 3 - BIDDER'S REPRESENTATIONS

In submitting this Bid, Bidder represents that Bidder has examined and carefully studied the Bidding Documents, other related data identified in the Bidding Documents, and the following Addenda, receipt of which is hereby acknowledged:

Addendum No.

Addendum Date

ARTICLE 4 - EXAMINATION OF BIDDING DOCUMENTS, OTHER RELATED DATA, AND SITE (Subsurface and Physical Conditions)

4.01 The Supplementary Conditions identify

- A. Those reports known to Owner of explorations and tests of subsurface conditions at or contiguous to the Site.
- B. Those drawings known to Owner of physical conditions relating to existing surface or subsurface structures at the Site (except Underground Facilities).
- C. Copies of reports and drawings referenced in Paragraphs 4.01.A-B will be made available by Owner to any Bidder on request. Those reports and drawings are not part of the Contract Documents, but the "technical data" contained therein upon which Bidder is entitled to rely as provided in Paragraph 4.01 has been identified and established in Paragraph 4.02.

- D. Bidder is responsible for any interpretation or conclusion Bidder draws from any "technical data" or any other data, interpretations, opinions, or information contained in such reports or shown and/or indicated in such drawings/documents.

4.02 Underground Facilities

Information and data shown or indicated in the Bidding Documents with respect to existing Underground Facilities at or contiguous to the Site is based upon information and data furnished to Owner and Engineer by owners of such Underground Facilities, including Owner, or others.

4.03 Hazardous Environmental Condition

- A. The Supplementary Conditions identify any reports and drawings known to Owner relating to a Hazardous Environmental Condition identified at the Site.
- B. Copies of reports and drawings referenced in Paragraph 4.03.A will be made available by Owner to any Bidder on request. Those reports and drawings are not part of the Contract Documents, but the "technical data" contained therein upon which Bidder is entitled to rely as provided in Paragraph 4.01 of the General Conditions has been identified and established in Paragraph 4.01 of the Supplementary Conditions. Bidder is responsible for any interpretation or conclusion Bidder draws from any "technical data" or any other data, interpretations, opinions, or information contained in such reports or shown or indicated in such drawings.

4.04 Adequacy of Data

Provisions concerning responsibilities for the adequacy of data furnished to prospective Bidders with respect to subsurface conditions, other physical conditions, and Underground Facilities, and possible changes in the Bidding Documents due to differing or unanticipated subsurface or physical conditions appear in Paragraphs 4.02 and 4.03 of the General Conditions. Provisions concerning responsibilities for the adequacy of data furnished to prospective Bidders with respect to a Hazardous Environmental Condition at the Site, if any, and possible changes in the Contract Documents due to any Hazardous Environmental Condition uncovered or revealed at the Site which was not shown or indicated in the Drawings or Specifications or identified in the Contract Documents to be within the scope of the Work, appear in Paragraph 4.03 of the General Conditions.

4.05 Site Restoration

On request, Owner will provide Bidder access to the Site to conduct such examinations, investigations, explorations, tests, and studies as Bidder deems necessary for submission of a Bid. Bidder shall fill all holes and clean up and restore the Site to its former condition upon completion of such explorations, investigations, tests, and studies. Bidder shall comply with all applicable Laws and Regulations relative to excavation and utility locates.

REVISED

REQUIREMENT / TABULATION

Bidder hereby agrees to complete the Work in accordance with the Contract Documents for the following lump sum price(s):

TASK	GENERAL DESCRIPTION	ESTIMATED TIME TO COMPLETE	COST
1	Installation of two new Owner-supplied progressive cavity cake pumps for dewatered biosolids.		
2	Modification of existing conveyor belts.		
3	Installation of Owner-supplied new screw conveyors in the Dewatering Building.		
4	Installation of a piping system to conduct the biosolids from the dewatering building to the new building.		
5	Construction of a new building to house truck loading equipment for the biosolids.		
6	Installation of Owner-supplied new screw conveyors in the new building.		
7	Site improvements to facilitate trucking of the biosolids off plant grounds, including a new automatic gate and paving work.		
100% Complete	GRAND TOTAL		\$
8	DEDUCTIBLE ALTERNATE NO. 1 – Polymer Piping to Solids Loading Building Provide the following deduct from the Base Bid if the Polymer Piping to the Solids Loading Building identified on the DRAWINGS is not constructed:		
All specified cash allowances are included in the price(s) set forth above, and have been computed in accordance with Paragraph 11.02 of the General Conditions. 1. Included in the Bid Price is an Allowance for SCADA programming in the amount of \$20,000.00.			

2. Included in the Bid Price is an Allowance for Security Cameras in the amount of \$15,000.00.
3. Included in the Bid Price is an Allowance for use tax for Owner furnished equipment in the amount of \$50,000.00.
4. Included in the Bid Price is an Allowance for Safety/Walkway Modifications in the amount of \$15,000.00.

Bidder certifies that:

This Bid is genuine and not made in the interest of or on behalf of any undisclosed individual or entity and is not submitted in conformity with any collusive agreement or rules of any group, association, organization, or corporation;

Bidder has not directly or indirectly induced or solicited any other Bidder to submit a false or sham Bid;

Bidder has not solicited or induced any individual or entity to refrain from bidding; and

Bidder has not engaged in corrupt, fraudulent, collusive, or coercive practices in competing for the Contract. For the purposes of this Paragraph:

- A. "Corrupt practice" means the offering, giving, receiving, or soliciting of anything of value likely to influence the action of a public official in the bidding process;
- B. "Fraudulent practice" means an intentional misrepresentation of facts made (a) to influence the bidding process to the detriment of Owner, (b) to establish bid prices at artificial non-competitive levels, or (c) to deprive Owner of the benefits of free and open competition;
- C. "Collusive practice" means a scheme or arrangement between two or more Bidders, with or without the knowledge of Owner, a purpose of which is to establish bid prices at artificial, non-competitive levels; and
- D. "Coercive practice" means harming or threatening to harm, directly or indirectly, persons or their property to influence their participation in the bidding process or affect the execution of the Contract.

All BIDS will be evaluated on the following criteria:

1. Failure to use this bid form may result in bid disqualification.
2. Failure to bid on all items may result in an "incomplete bid" determination.
3. List value-added considerations on a separate sheet of paper.

THIS PAGE MUST BE COMPLETED AND INCLUDED WITH SUBMITTAL:

**JIM ANANICH**

27TH DISTRICT

P.O. BOX 30036

LANSING, MI 48909-7536

PHONE: (517) 373-0142

FAX: (517) 373-3938

**THE SENATE
STATE OF MICHIGAN**

October 29, 2014

Michigan Department of Treasury
Office of Revenue and Tax Analysis
P.O. Box 30722
Lansing, MI 48909

To Whom It May Concern:

I am pleased to have this opportunity to submit a letter of support for the City of Flint's application to the Michigan Department of Treasury Financially Distressed Cities, Villages, and Townships Grant Program for the ***Water Pollution Control Incinerator Shutdown Project***.

Given the recent water contamination crisis that the City of Flint faced (<http://www.washingtontimes.com/news/2014/sep/8/flint-expands-water-advisory-after-bacteria-found/>), it is critical that they have adequate resources to update their water infrastructure to avoid repeated contamination cases. This grant would help the City of Flint start that process.

Additionally, the City of Flint needs to implement this project to realize a net \$400,000 in annual savings from reduced purchase of natural gas, reduced maintenance and the avoidance of costly federally mandated incinerator upgrades. This savings will strengthen the Sewer Enterprise Fund and provide the capability for necessary investment in the water pollution control infrastructure.

For the above reasons and many more, I want to again express my strong support of this proposal. It is my hope that you give the ***Water Pollution Control Incinerator Shutdown*** proposal strong consideration. If you have any additional questions about this proposal and my reasons for supporting it, please don't hesitate to contact me at my office: (517) 373-0142.

Sincerely,

Jim Ananich
State Senator
27th District
517-373-0142

Elowsky, Denise (Treasury)

From: Maxine Murray <mmurray@cityofflint.com>
Sent: Friday, October 31, 2014 4:23 PM
To: TreasRevenueSharing
Subject: Financially Distressed Cities, Villages, and Townships Application - Water Pollution Control Incinerator Shutdown Project
Attachments: WPC Incinerator Shutdown 10312014.pdf

Good afternoon:

Please find attached the Water Pollution Control Incinerator Shutdown Project from the City of Flint.

Thank you.

--

Maxine Murray
Executive Assistant to
Mayor Dayne Walling
Darnell Earley, Emergency Manager
1101 S. Saginaw Street
Flint, MI 48502
810.237.2035 Telephone
810.766.7218 Fax