FIFTH FIVE-YEAR REVIEW REPORT FOR
DUTCHTOWN TREATMENT PLANT SUPERFUND SITE
ASCENSION PARISH, LOUISIANA

March 16, 2021

1989

2020

Prepared by

U.S. Environmental Protection Agency
Region 6
Dallas, Texas

100023042

DUTCHTOWN TREATMENT PLANT FIVE-YEAR REVIEW REPORT
DUTCHTOWN TREATMENT PLANT SUPERFUND SITE
EPA ID#: LAD980879449
ASCENSION PARISH, LOUISIANA

This memorandum documents the U.S. Environmental Protection Agency's performance, determinations and approval of the Dutchtown Treatment Plant Superfund site (Site) Dutchtown Treatment Plant five-year review under Section 121 (c) of the Comprehensive Environmental Response, Compensation, and Liability Act, 42 U.S.C. § 9621(c), as provided in the attached Dutchtown Treatment Plant Five-Year Review Report.

Summary of the Dutchtown Treatment Plant Five-Year Review Report

The Site's remedy consists of long-term remedial actions, including monitored natural attenuation, implementation of institutional controls, and maintaining the existing cap and fence. The cap protects against direct exposure to soil contamination. The remedy prevents migration of groundwater contamination and groundwater monitoring indicates contaminants are below federal and state standards. The Site is not in use and there are currently no plans to return it to use. There are no known exposure pathways to contaminated soil. Institutional controls are in place to limit future site uses to commercial and industrial uses, prevent the use of site soil and groundwater, and prevent the disturbance of remedial features. The remedy is currently functioning as intended by the 1994 Record of Decision and is protective of human health and the environment.

Environmental Indicators

Human Exposure Status: Human Exposure under Control
Contaminated Groundwater Status: Groundwater Mitigation under Control
Sitewide Ready for Reuse: Yes

Actions Needed

The following actions must be taken for the remedy to be protective over the long term: None

Determination

I have determined that the remedy for the Dutchtown Treatment Plant Superfund site is protective. No issues were identified during this five-year review process that affect the protectiveness of the remedy.

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Wren Stenger Date
Director, Superfund and Emergency Management Division
U.S. Environmental Protection Agency Region 6

CONCURRENCES

DUTCHTOWN TREATMENT PLANT FIVE-YEAR REVIEW REPORT
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ISSUES/RECOMMENDATIONS

DUTCHTOWN TREATMENT PLANT FIVE-YEAR REVIEW REPORT
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This five-year review identified no Issues and Recommendations

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LIST OF ABBREVIATIONS AND ACRONYMS

bgs	Below Ground Surface
BTEX	Benzene, Ethylbenzene, Toluene and Xylene
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CFR	Code of Federal Regulations
COC	Contaminant of Concern
EPA	United States Environmental Protection Agency
FS	Feasibility Study
FYR	Five-Year Review
IC	Institutional Control
LDEQ	Louisiana Department of Environmental Quality
MCL	Maximum Contaminant Level
mg/L	Milligrams per Liter
NCP	National Contingency Plan
NPL	National Priorities List
O&M	Operation and Maintenance
PRP	Potentially Responsible Party
RAO	Remedial Action Objective
RECAP	Risk Evaluation/Corrective Action Program
RI	Remedial Investigation
ROD	Record of Decision
RPM	Remedial Project Manager
UAO	Unilateral Administrative Order
UU/UE	Unlimited Use/Unrestricted Exposure
VOC	Volatile Organic Compound

I. INTRODUCTION

The purpose of a five-year review (FYR) is to evaluate the implementation and performance of a remedy to determine if the remedy is and will continue to be protective of human health and the environment. The methods, findings and conclusions of reviews are documented in FYR reports such as this one. In addition, FYR reports identify issues found during the review, if any, and document recommendations to address them.

The U.S. Environmental Protection Agency (EPA) is preparing this FYR pursuant to the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) Section 121(c), 42 U.S.C. § 9621(c), consistent with the National Contingency Plan (NCP) (40 C.F.R. § 300.430(f)(4)(ii)) and considering EPA policy.

This is the fifth FYR for the Dutchtown Treatment Plant Superfund site (the Site). The triggering action for this statutory review is the completion date of the previous FYR. The FYR has been prepared because hazardous substances, pollutants or contaminants remain at the Site above levels that allow for unlimited use and unrestricted exposure (UU/UE). The Site consists of one operable unit that addresses sitewide soil and groundwater contamination.

EPA remedial project manager (RPM) Michael Hebert led the FYR. Participants included Tommy Doran (Louisiana Department of Environmental Quality [LDEQ]). The relevant entities such as the potentially responsible party (PRP) were notified of the initiation of the FYR. The review began on 7/15/2020. Appendix A lists the resources used to prepare this FYR. Appendix B provides the Site's chronology of events.

Site Background

The 5-acre Site is located at the intersection of U.S. Interstate 10 and Louisiana Highway 74 in Dutchtown, Ascension Parish, Louisiana (Figure 1). From 1965 to 1982, an oil refinery and reclamation facility operated on site. Historical site features included a holding pond, a waste oil pit, seven aboveground vertical storage tanks, two small horizontal tanks, and a railroad tank car used as a horizontal tank. Site operations resulted in the contamination of soil and groundwater.

The Site is fenced. Current site features include a capped former holding pond, two concrete slabs, a French drain and monitoring wells. It is otherwise covered in grass. Surface drainage generally flows south through the drainage system associated with Highway 74 and Interstate 10. Site geology consists of two shallow water bearing units: an upper unit or Shallow Zone from 0 to 14 below ground surface (bgs) and a lower unit or Deep Zone from 30 to 35 feet bgs. Water in the Shallow Zone generally moves northward in a radial direction. These water-bearing units are considered Class III groundwater, in accordance with EPA's Guidelines for Ground Water Classification Under the EPA Ground Water Strategy. A Class III aquifer is not a suitable source for drinking water. The shallow water bearing units are confined by a low-permeability clay layer from 35 to 100 feet below grade. From 100 feet bgs to 300 feet bgs is the next water-bearing zone called the alluvial aquifer. This is the first aquifer in the area of the Site in which domestic water wells are located. Site activities did not contaminate this aquifer. Surrounding land uses are primarily commercial and residential. Future land uses are expected to stay the same.

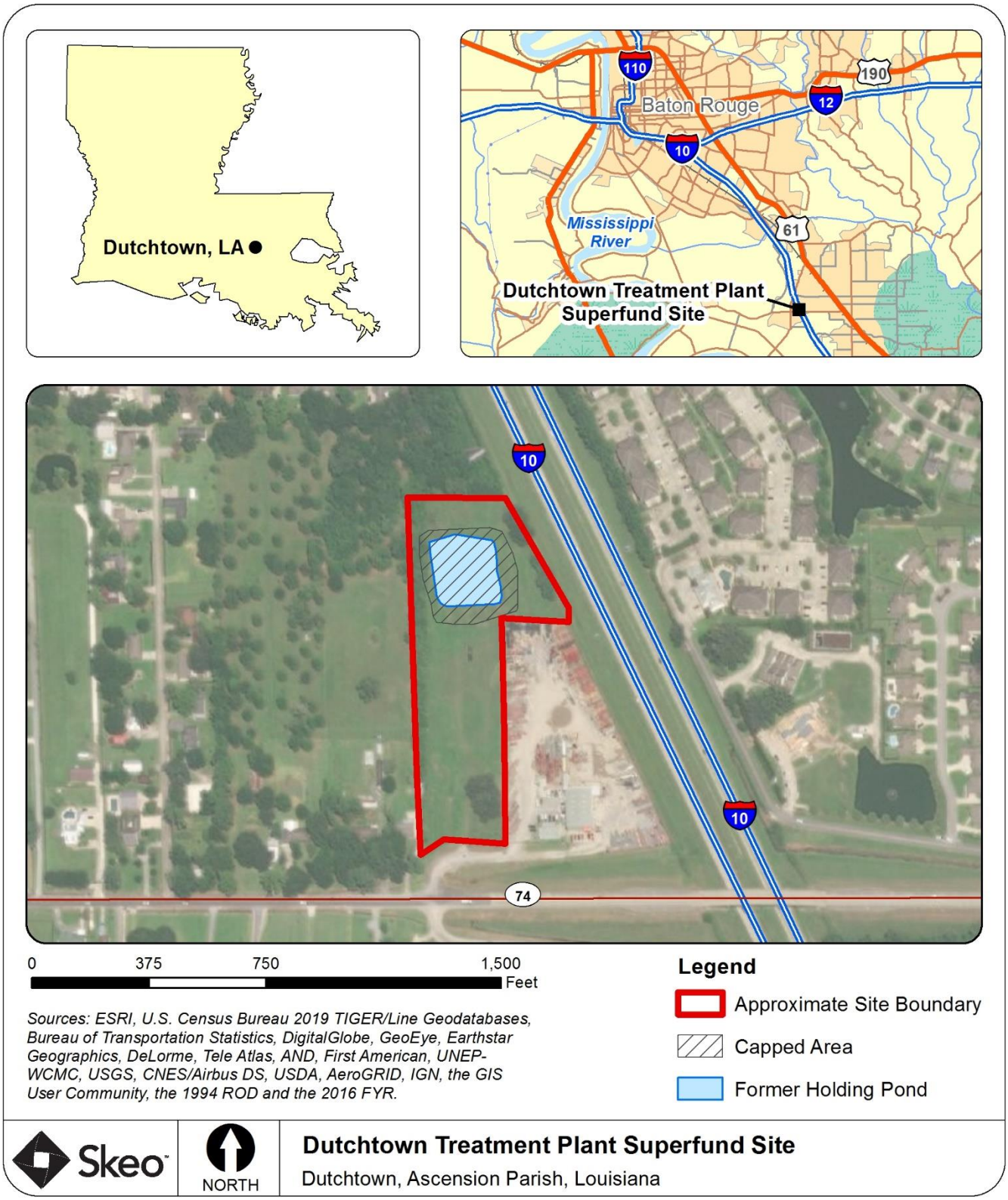
FIVE-YEAR REVIEW SUMMARY FORM

SITE IDENTIFICATION		
Site Name: Dutchtown Treatment Plant		
EPA ID: LAD980879449		
Region: 6	**State:** Louisiana	**City/County:** Dutchtown/Ascension Parish

SITE STATUS	
NPL Status: Deleted	
Multiple OUs? No	**Has the Site achieved construction completion?** Yes

REVIEW STATUS
Lead agency: EPA
Author name: Michael Hebert, with additional support provided by Skeo
Author affiliation: EPA Region 6
Review period: 7/15/2020 - 6/1/2021
Date of site inspection: 9/4/2020
Type of review: Statutory
Review number: 5
Triggering action date: 7/21/2016
Due date *(five years after triggering action date)*: 7/21/2021

Figure 1: Site Vicinity Map



Disclaimer: This map and any boundary lines within the map are approximate and subject to change. The map is not a survey. The map is for informational purposes only regarding EPA's response actions at the Site.

II. RESPONSE ACTION SUMMARY

Basis for Taking Action

Due to the site operators' failure to obtain the required permits for operating a hazardous waste treatment storage and disposal facility, the state of Louisiana Hazardous Waste Management Division and the Louisiana Environmental Control Commission ordered the suspension and proper closure of operations at the Site in August 1983. In January 1984, the state declared the Site abandoned and proceeded with site security measures. Over the next several years, the state and EPA conducted studies and sampling at the Site. EPA proposed the Site for listing on the Superfund program's National Priorities List (NPL) in January 1987. The Site was added to the NPL in a final rule published at 52 Fed. Reg. 27260, 27638 (July 22, 1987).

The PRPs (the Dutchtown Oil Treatment Site Participating Committee) completed the Site's Remedial Investigation (RI) Report in November 1992 and the Feasibility Study (FS) Report in May 1993. Only the upper groundwater unit was found to be contaminated, predominantly with benzene, toluene, ethylbenzene, styrene and xylene. No exposure pathways were identified between these Class III groundwater units and potential receptor populations. The RI found surface and subsurface soils to be residually contaminated near their on-site sources. The completed soil exposure pathways included dermal, ingestion and inhalation exposure to current and future area residents and dermal, ingestion and inhalation exposure to site trespassers. Although the RI identified completed exposure pathways for some surface and subsurface site soils, most of the residual contamination was below a clay cap installed during an emergency response action, and all surface and subsurface soils were within EPA's acceptable risk range.

Response Actions

Emergency Response Actions

The following emergency response actions have occurred at the Site:

- In March 1987, EPA led an emergency response to clean up a spill resulting from vandalism of the rail tank car and finished-oil storage tank.
- In March 1988, EPA issued an Action Memorandum for an emergency response action at the Site. The PRPs conducted the action from January through August 1991. It involved:
    - Removal of 449,810 gallons of waste oil from the holding pond, waste oil pit and storage tanks; removed waste oil was then recovered, blended and shipped off-site for incineration.
    - Removal and treatment of 3,451,999 gallons of stormwater from the waste oil pit and the holding ponds. A total of 2,400,695 gallons of water were discharged on site while a total of 1,051,304 gallons of water were routed to the soil washing unit.
    - EPA treated 4,400 cubic yards of soil by washing on site to concentrations less than 4 parts per million of benzene, stabilized treated soil with fly ash and placed it as backfill into the pond and pit.
    - Seepage of contaminated groundwater into the excavated pond led to the installation of a French drain that would enable recovery and treatment of groundwater during the RI/FS study phase. The French drain recovered a total of 75,792 gallons of groundwater through August 1992.
- Following the completion of the emergency response action, compacted caps of imported clay were installed over the backfilled holding pond, the French drain in the former waste oil pit, and the areas previously occupied by the storage tanks. The Site is also surrounded by a 6-foot high chain link fence.

Record of Decision

EPA signed the Record of Decision (ROD) for the Site in June 1994. The remedial action objectives (RAOs) selected in the ROD are:

- Prevent ingestion and direct contact with soil having non-carcinogenic chemicals of concern in excess of a hazard index of 1.

- Prevent ingestion/direct contact with soils having greater than a 1×10^{-4} to 1×10^{-6} excess cancer risk from carcinogenic chemicals of concern.
- Prevent inhalation of carcinogenic chemicals of concern posing excess cancer risks greater than 1×10^{-4} to 1×10^{-6}.
- Prevent human exposure to contaminated shallow groundwater.
- Prevent contamination of the underlying drinking water aquifer.
- Restore contaminated shallow groundwater, based on its classification, for future use.

The selected remedy included:

- Monitoring groundwater to determine if conditions improve, remain constant or worsen. This included installation and monitoring of on-site and adjacent private wells.
- Implementing contingency measures if groundwater monitoring indicates a 30% increase in contaminant concentrations (either vertically or horizontally). The contingency measures, if warranted, may include installation of additional monitoring wells, increasing sampling frequency, construction of a slurry wall, active extraction of contaminated groundwater, or in-situ treatment.
- Implementing institutional controls in the form of access restrictions, including installation of signs, restrictions on future use of property, fencing, deed notices and restriction on the use of groundwater from site water wells.
- Installing additional monitoring wells to provide additional data on plume movement toward any drinking water wells and/or beneath Interstate 10.
- Maintaining the existing cap and fence.
- Closing out the residential well adjacent to the Site and drilling a replacement well.

On-site surface soil concentrations of chemicals of potential concern (various metals and volatile organic compounds (VOCs)) outside of the capped area were within the target remediation goals calculated for EPA's acceptable cancer risk range of 1×10^{-4} to 1×10^{-6} (commercial/industrial exposure scenarios), and were below the non-carcinogenic hazard index of 1.0. Because soil contamination was within EPA's acceptable range, additional numerical cleanup standards for soils were not necessary. Although the RI/FS identified contamination in site groundwater, numerical cleanup standards for site groundwater were not necessary because of its classification as a Class III aquifer, which could not be used for drinking water. However, the ROD established that monitoring wells would be monitored for benzene, ethylbenzene, toluene and xylene (BTEX) to provide data to determine if contamination is migrating to the underlying drinking water aquifer.

Status of Implementation

In December 1996, EPA issued a Unilateral Administrative Order (UAO) to the PRPs to implement the selected remedy. In February 1997, the PRPs notified EPA of their intent to comply with the UAO. The PRPs initiated remedial action activities in August 1997. These activities included:

- Installation of a flush-mounted, 15-foot-deep monitoring well east of Interstate 10 (later plugged and abandoned, described in operation and maintenance (O&M)).
- Plugging and abandonment of the residential well adjacent to the site property. A new well was not necessary because the residence was connected to a municipal water supply.
- Inspection of the perimeter fence and clay cap and installation of "Danger Keep Out" signs along the fence every 200 feet.
- Sampling and analysis of site monitoring wells for BTEX.
- Implementation of institutional controls (conveyance notification).

EPA completed the Site's Final Close-Out Report in August 1999 and deleted the Site from the NPL in November 1999. No contingency measures were necessary. No new exposure pathways have been identified since the previous FYR. Groundwater monitoring is ongoing, as designated by the ROD. O&M activities maintain the cap and fence.

Institutional Control (IC) Review

The 1994 ROD called for institutional controls in the form of deed notices restricting future use of the Site, as well as restricting use of site soils and groundwater. In June 2006, the PRPs recorded a conveyance notification with the Ascension Clerk of Court. The conveyance notification provides notice that site uses are restricted to commercial and industrial use until EPA and LDEQ determine that the Site can support UU/UE. The document also restricts disturbance or removal of site soil and groundwater, and prohibits disturbance of the clay cap, French drain, monitoring wells, piezometers, fence and gate. Table 1 summarizes the implemented institutional control. Figure 2 shows the area covered by the conveyance notification. Appendix H contains the complete conveyance notification.

Table 1: Summary of Planned and/or Implemented Institutional Controls (ICs)

Media, Engineered Controls, and Areas That Do Not Support UU/UE Based on Current Conditions	ICs Needed	ICs Called for in the Decision Documents	Impacted Parcel(s)	IC Objective	Title of IC Instrument Implemented and Date (or planned)
Groundwater, Soils, Land Use	Yes	Yes	5281600	Restrict site land use to commercial and industrial uses. Restrict disturbance or removal of site soils and groundwater. Restrict disturbance of the clay cap, French drain, monitoring wells, piezometers, fencing and the gate.	2006 Conveyance Notification; Instrument No. 638851; filed June 9, 2006

Figure 2: Institutional Control Map

Disclaimer: This map and any boundary lines within the map are approximate and subject to change. The map is not a survey. The map is for informational purposes only regarding EPA's response actions at the Site.

Systems Operations/Operation and Maintenance (O&M)

The PRPs prepared the Site's first O&M Plan in July 1997. It was updated in December 2002, November 2011 and most recently in July 2018.

Groundwater O&M

Routine groundwater monitoring was initiated in 1997, with a frequency as follows:

- Year 1 - Quarterly.
- Years 2 through 5 – Semiannual.
- Year 5 through 30 – Annual.

The initial groundwater monitoring network consisted of 22 wells. Seventeen wells were screened in the Shallow Zone. Five wells were screened in the Deep Zone. Many of the wells at the Site never detected the presence of contaminants. In 2002, as a result of never detecting the presence of contaminants, 11 wells and one piezometer were plugged and abandoned. In addition, one well was plugged and abandoned in 2007 with EPA approval. Three wells could not be located (two in the I-10 right-of-way and one on an adjacent property); these wells are on properties not controlled by the Dutchtown Oil Treatment Site Participating Committee.

In addition to the monitoring wells, the ROD required two water wells in the vicinity of the Site at the school to be plugged and abandoned. The two water wells were located less than 1 mile to the west of the Site. They were not in use based on availability of a public water source. No site-specific constituents were reported in the wells and they were plugged and abandoned by a licensed water well contractor in 2001. On September 30, 2016, an inactive water well located on the southern portion of the Site was plugged and abandoned, as recommended by the 2016 FYR. It had not been active for several years.

The 2018 O&M Plan reflects a reduction in sampling frequency, agreed upon by LDEQ and EPA. The seven remaining monitoring wells will be sampled every three years. The next sampling event will be conducted in 2021.

Clay Cap/Perimeter Fence Inspection and Maintenance

The clay cap covering the holding pond and site perimeter fence are inspected on an annual basis by a state of Louisiana registered professional engineer.

- The 2018 inspection report is included in the annual evaluation report. The report noted that the clay cap was in overall good condition, the fence was in good condition and the grass around the facility is maintained and showed no signs of erosion or digging.
- The 2019 inspection report noted a large tree fallen along the fenceline in the northwest corner of the Site and suggested the tree should be removed before it settled onto the fence. It also noted a 4-to-5-foot section of fencing missing about 100 feet south of the fallen tree, and large patches of poison ivy and other vegetation on the western fence.

III. PROGRESS SINCE THE PREVIOUS REVIEW

This section includes the protectiveness determinations and statements from the previous FYR Report.

Table 2: Protectiveness Determinations/Statements from the 2016 FYR Report

OU #	Protectiveness Determination	Protectiveness Statement
Sitewide	Protective	The remedy for the Site is protective of human health and the environment because exposure pathways that could result in unacceptable risks are currently being controlled, the remedy is functioning as intended and contaminant levels are decreasing, and the necessary institutional controls are in place to restrict future site use and use of site groundwater.

The 2016 FYR Report did not identify any protectiveness issues.

IV. FIVE-YEAR REVIEW PROCESS

Community Notification, Community Involvement and Site Interviews

A public notice was made available by a newspaper posting in *The Times-Picayune/The Baton Rouge Advocate* on 8/21/2020 (Appendix C). It stated that the FYR was underway and invited the public to submit any comments to EPA. No comments from the public were received. The results of the review and the report will be made available at the Site's information repository, Ascension Parish Library, located at 706 South Irma Boulevard, Gonzales, Louisiana 70737.

During the FYR process, interviews were conducted to document any perceived problems or successes with the remedy implemented to date**.** The interviews are summarized below and included in Appendix G.

Tommy Doran, LDEQ project manager, said that the cleanup and maintenance of the project have been effective. There has been no reuse of the property so far. The state conducts regular inspections as well as inspections following major tropical weather events. The institutional controls have been effective to date.

Tom Isacks, the PRP's current O&M contractor with Eagle Environmental, said that the Site has been remediated and is now in the O&M phase as outlined in the O&M Plan. Currently there are no reuse plans for the Site, but with a proper design, the Site could be reused in a safe manner. The Site is inspected annually and after tropical storms and hurricanes. Groundwater monitoring frequency has been reduced to every three years. The latest groundwater monitoring results document that contaminants of concern (COCs) remain at concentrations below Louisiana's Risk Evaluation/Corrective Action Program (RECAP) Standards. The main unexpected expenses have been due to fence maintenance and occasional fence repairs.

Councilwoman Teri Casso, District 8 Parish Council, said that she is somewhat aware of the former environmental issues at the Site. She does not feel well-informed about the Site's activities. She indicated that EPA could convey site-related information through a paper, email, doorknocker or postcard including a timeline of site activities and current status of the Site. She is not aware of any vandalism or changes in projected land use, other than a discussion about an access ramp to the Interstate somewhere in the vicinity of the Site.

The General Manager of ALL Crane (business adjacent to the Site), responded that he is aware to some extent of the former environmental issues at the Site and the property is generally maintained, as far as he can observe. There have been no unusual or unexpected activity that he is aware of. He said that ALL Crane would like to be added to an email (or mailing) list to receive future reports or other pertinent information about the Site if one is available.

Five residences adjacent to the site were contacted to conduct interviews concerning the Site. Three residences declined to be interviewed. The two residences interviewed indicated they did not have any prior knowledge concerning the Site. One residence was interested in whether the presence of the Site would affect local property values while both residences were interested in receiving updates concerning the Site and indicated that some type of mailer would be the best way to communicate information to nearby residences.

Data Review

This FYR reviewed groundwater data collected and analyzed for BTEX from 1997 through 2018 (the most recent sampling data available). Table F-1 in Appendix F summarizes the data. Beginning in 2015, the groundwater monitoring frequency was reduced to every three years. The next sampling event will take place in 2021. The only sampling event during this FYR period was in 2018.

Groundwater Results

The current groundwater monitoring network consists of seven wells, six screened in the Shallow Zone (MW-2, MW-3, MW-3A, MW-4A, MW-6 and MW-13) and one screened in the Deep Zone (MW-7) (Figure 3). Groundwater samples are analyzed for BTEX. Table 3 shows the maximum detections of BTEX compounds in 2018 in the Shallow Zone. All contaminants are below federal maximum contaminant levels (MCLs) and Louisiana RECAP Screening Standards. The only contaminant detected in the Shallow Zone was ethylbenzene in MW-3. BTEX compounds have been below detection limits in the Deep Zone well (MW-7) for the entirety of the sampling program (since 1997). These data demonstrate that residual contamination in the Shallow Zone is not migrating to the Deep Zone.

Table 3: Maximum BTEX Detections in Shallow Zone, 2018

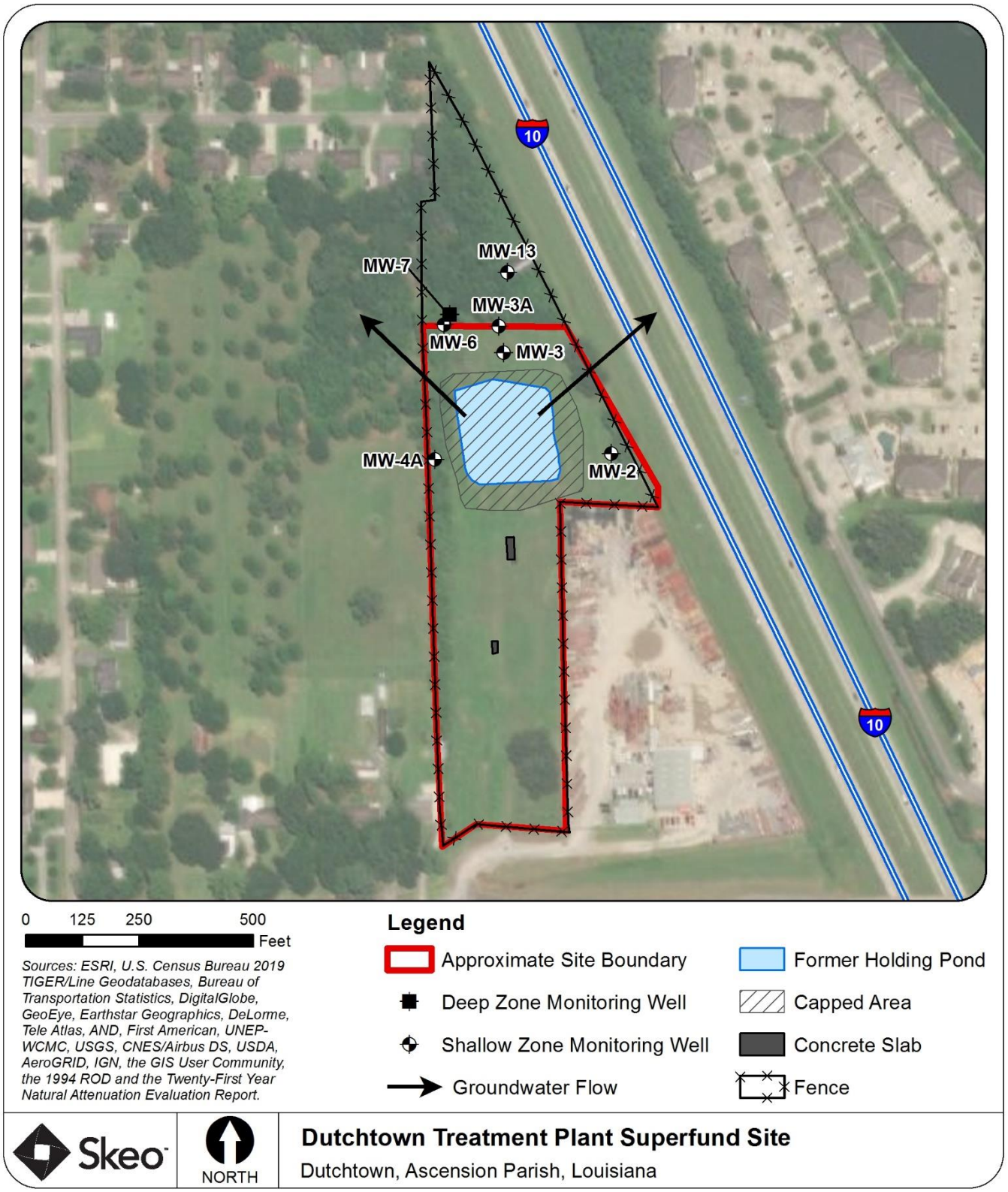
Contaminant	MCL[a] (mg/L)	RECAP Screening Standards[b] (mg/L)	Maximum in 2018[c] (mg/L)
Benzene	0.005	0.005	<0.001
Ethylbenzene	0.7	0.7	0.0071 (MW-3)
Toluene	1	1	<0.001
Xylene	10	10	<0.003

Notes:
a. National Primary Drinking Water Regulations located at: https://www.epa.gov/ground-water-and-drinking-water/national-primary-drinking-water-regulations, accessed 8/31/2020.
b. RECAP Screening Standards, Table 1, located at: https://www.deq.louisiana.gov/assets/docs/Land/RECAP/Table1.pdf, accessed 8/31/2020.
c. Source: Table 4 of the Twenty-First Year Natural Attenuation Report.
mg/L = milligrams per liter

Mann-Kendall Analysis

Benzene and ethylbenzene are the only two constituents detected historically in site groundwater, generally in Shallow Zone wells MW-3, MW-3A, MW-4A and MW-6. A statistical evaluation of the data is performed to ensure that concentrations of benzene and ethylbenzene in these four wells have not increased. Figure F-1 and Figure F-2 in Appendix F provide concentrations versus time graphs. Mann-Kendall analyses of these data indicate a downward trend or no trend in these wells.

Figure 3: Detailed Site Map



Disclaimer: This map and any boundary lines within the map are approximate and subject to change. The map is not a survey. The map is for informational purposes only regarding EPA's response actions at the Site.

Site Inspection

The site inspection took place on 9/4/2020. In attendance were Jennifer Schatzle (LDEQ representative filling in for Tommy Doran), Tom Isacks from PRP O&M contractor Eagle Environmental Services and Eric Marsh from EPA FYR support contractor Skeo. The purpose of the inspection was to assess the protectiveness of the remedy. Appendix D includes the site inspection checklist. Appendix E includes site inspection photos.

Site inspection participants met at the entrance to the Site. Participants observed the locked entrance gate, the secure fencing around the Site and the appropriate signage. The participants then entered the Site and walked its boundaries, examining all perimeter fencing and the separate fenced area directly north of the Site. A gap in the main fence was identified on the western site perimeter. The O&M contractor had installed temporary fencing across the gap to prevent unauthorized site entry. A large tree had also toppled over part of the western perimeter fence; the fallen tree and dense vegetation surrounding the tree serve as a barrier to site entry. The fencing surrounding MW-13, located immediately north of the Site, appeared to be in good condition.

The group also inspected the cap, all wells and the French drain access. Participants noted the cap was in good condition with no signs of cracks, fractures or bulges and had a well-established vegetative cover (grass). Small tree/shrub-like vegetation was identified in a few places on the cap, but these will likely be cut down the next time the cap is mowed. Participants identified all monitoring wells. Monitoring wells were appropriately labeled, locked and in good condition. The French drain access point appeared to be in good condition. The wellhouse previously located on site had been torn down since the previous FYR inspection. An unusable water spigot remains near where the wellhouse was located. There was no evidence of standing water on site.

Skeo staffed called the Ascension Parish Library on 9/17/2020. No documents related to the Site were available.

V. TECHNICAL ASSESSMENT

QUESTION A: Is the remedy functioning as intended by the decision documents?

Question A Summary:

The remedy is functioning as intended by the 1994 ROD. The cap is in good condition with no signs of cracks, fractures or bulges and has a well-established vegetative cover (grass). Fence damage experienced in 2019 and 2020 was repaired by the PRPs. Groundwater monitoring indicates concentrations of BTEX compounds continue to be below MCLs during this review period. The O&M Plan was updated in 2018 to reflect current site needs, including reduced groundwater monitoring with annual site inspections. Annual O&M costs are approximately $30,000, as reported by the PRPs. These costs indicate that the selected remedial action is functioning properly. Institutional controls are in place in the form of a conveyance notification. The site is inspected at least annually or as needed (e.g., after storms/hurricanes or vegetation maintenance). Any changes in site conditions noted during these inspections that would impact the restrictions identified in the conveyance notification are documented in the annual reports associated with the Site.

QUESTION B: Are the exposure assumptions, toxicity data, cleanup levels and RAOs used at the time of the remedy selection still valid?

Question B Summary:

The exposure assumptions and RAOs used at the time of the remedy are still valid. The ROD did not select numerical cleanup levels for the contaminated aquifer because it is not considered a usable groundwater source. Groundwater monitoring is currently compared to MCLs and RECAP values, which would take into account any changes in standards and toxicity data.

VOCs are present at relatively low levels in groundwater underlying the Site. The vapor intrusion exposure pathway may be a potential future completed exposure pathway if buildings were constructed on the Site. A screening-level vapor intrusion evaluation was conducted by entering the only detected VOC in 2018,

ethylbenzene (0.0071 mg/L) into EPA's vapor intrusion screening level calculator.[1] The screening-level vapor intrusion risk evaluation shows that under a default residential land use the cancer risks are within or below EPA's risk management range of 1 x 10^{-6} to 1 x 10^{-4} (2 x 10^{-6}), and below EPA's target noncancer HQ of 1.0 (0.002). These results demonstrate that the vapor intrusion exposure pathway does not represent a current health concern for residential or industrial use because residential use is more conservative than industrial use.

The remedy has met the RAOs of preventing human contact with site soils, preventing human contact with site groundwater, preventing contamination of underlying drinking water aquifer, and restoring groundwater for future use.

QUESTION C: Has any other information come to light that could call into question the protectiveness of the remedy?

No other information has come to light that could call into question the protectiveness of the remedy. In addition, during the review period, the significant storms and hurricanes experienced at the site did not affect the protectiveness of the remedy.

VI. ISSUES/RECOMMENDATIONS

Issues/Recommendations
OU(s) without Issues/Recommendations Identified in the FYR:
OU1

OTHER FINDINGS

Several recommendations were identified during the FYR. These recommendations do not affect current and/or future protectiveness.

- Proceed with fixing fence and poison ivy/vegetation control as described in the O&M and site inspection sections of this FYR Report.
- Update the Site's information repository, Ascension Parish Library, with current site-related documents.
- Consider a mailing to update local officials, residents, and nearby businesses on the site status.

VII. PROTECTIVENESS STATEMENT

OU1 & Sitewide Protectiveness Statement
Protectiveness Determination: Protective
Protectiveness Statement: The remedy at the Site is protective of human health and the environment. The existing cap and fencing are maintained, groundwater is monitored every three years, and institutional controls are in place in the form of a conveyance notification. The remedy has met the RAOs of preventing human contact with site soils, preventing human contact with site groundwater, preventing contamination of underlying drinking water aquifer, and restoring groundwater for future use.

[1] EPA's Vapor Intrusion Screening Level Calculator can be accessed at https://epa-visl.ornl.gov/cgi-bin/visl_search

VIII. NEXT REVIEW

The next FYR Report for the Dutchtown Treatment Plant Superfund site is required five years from the completion date of this review.

APPENDIX A – REFERENCE LIST

2016 August Flood Event Facility Assessment Form. Dutchtown Treatment Plant. Louisiana Department of Environmental Quality. September 8, 2016.

2019 Annual Inspection. Dutchtown Oil Treatment Plant Superfund Site. EAGLE Environmental Services, Inc. April 6, 2020.

Eighteenth Year Natural Attenuation Evaluation Report. Dutchtown Oil Treatment Site. Dutchtown Participating Committee. March 17, 2016.

Final Close-Out Report. Dutchtown Oil Treatment Superfund Site. Dutchtown / Ascension Parish, Louisiana. August 1999.

Fourth Five-Year Review Report for the Dutchtown Treatment Plant Superfund Site. Dutchtown, Ascension Parish, Louisiana. U.S. Environmental Protection Agency. July 21, 2016.

Operation and Maintenance Plan (Revised). Dutchtown Oil Treatment Site. Agency Interest No. 5217. Dutchtown Oil Treatment Site Participating Committee. July 19, 2018.

Record of Decision. Dutchtown Oil Treatment Site. Ascension Parish, Louisiana. United States Environmental Protection Agency. June 1994.

Revised Remedial Action Report. Dutchtown Oil Treatment Site. Prepared by Dutchtown Steering Committee. December 1997.

Twenty-First Year Natural Attenuation Evaluation Report. Dutchtown Oil Treatment Site. Agency Interest No. 5217. Dutchtown Oil Treatment Site Participating Committee. September 23, 2019.

APPENDIX B – SITE CHRONOLOGY

Table B-1: Site Chronology

Event	Date
An oil refinery and reclamation facility operated on site	1965 – 1982
LDEQ issued order for property site closure	August 1983
LDEQ declared the Site abandoned	January 17, 1984
LDEQ performed three-phase study of the Site and referred the Site to EPA	November 1984 – June 1985
EPA performed site investigations	July 1985 – March 1987
EPA proposed the Site for listing on the NPL	January 22, 1987
EPA led an emergency response action to clean spill from site vandalism	March 1987
EPA finalized the Site's listing on the NPL	July 27, 1987
EPA issued an Emergency Response Action Memorandum	March 25, 1988
PRPs signed EPA Consent Decree	May 23, 1990
PRPs conducted emergency response action site activities	January 1991 – August 1991
PRPs completed RI Report	November 30, 1992
PRPs completed FS Report	May 19, 1993
EPA signed the Site's ROD	June 20, 1994
EPA issued UAO for remedial action	December 30, 1996
PRPs conducted remedial action	August 1997 – December 1997
PRPs completed Remedial Action Report	December 12, 1997
EPA completed Preliminary Close-Out Report	January 12, 1998
EPA completed Final Close-Out Report	August 24, 1999
EPA deleted the Site from the NPL	November 16, 1999
EPA completed the Site's first FYR Report	September 12, 2002
PRPs' contractor updated Site's O&M Plan	December 16, 2002
PRPs plugged and abandoned 11 monitoring wells and one piezometer	December 12, 2003
PRPs completed Plug and Abandonment Report	December 17, 2003
Ascension Holding Company purchased site property	July 9, 2004
EPA site visit evaluated potential adverse impacts from Hurricane Katrina	October 13, 2005
EPA completed Hurricane Katrina Evaluation Report	December 13, 2005
Ascension Holding Company filed and recorded a conveyance notification with the Ascension Clerk of Court	June 9, 2006
EPA completed the Site's second FYR Report	September 12, 2007
PRP contractor Arcadis plugged and abandoned MW-12	2007
United States District Court for the Middle District of Louisiana entered Consent Decree	February 20, 2009
EPA completed the Site's third FYR Report	August 17, 2011
PRP contractor Arcadis completed Plug and Abandonment Report for MW-12	October 31, 2011
PRPs' contractor updated the Site's O&M Plan	November 18, 2011
EPA completed the Site's fourth FYR Report	July 21, 2016
PRPs' contractor updated the Site's O&M Plan	July 19, 2018

APPENDIX C – PRESS NOTICE

Dutchtown Treatment Plant Superfund Site

Public Notice

U.S. Environmental Protection Agency, Region 6

August 2021

The U.S. Environmental Protection Agency, Region 6 (EPA) will be conducting the fifth five-year review of remedy implementation and performance at the Dutchtown Treatment Plant Superfund site (Site) in Ascension Parish, Louisiana. From the mid-1960s to the early 1980s, an oil refinery and waste oil reclamation facility operated at the Site. The Site includes fenced and open areas with a concrete pad and a well house. Nearby land uses include homes, a business and Interstate 10. EPA led emergency cleanup actions at the Site in the late 1980s. The final remedy included groundwater monitoring, institutional controls, installation of additional monitoring wells, and maintenance of the Site's existing cap and fence. The five-year review will determine if the remedies are still protective of human health and the environment. The five-year review is scheduled for completion in August 2021. The report will be made available to the public at the following local information repository:

Ascension Parish Library
708 South Irma Boulevard
Gonzales, Louisiana 70737
(225) 647-3955

Site status updates are available on the Internet at:
http://www.epa.gov/superfund/dutchtown-treatment-plant

All media inquiries should be directed to the EPA Press Office at (214) 665-2200

For more information about the Site, contact:

Mike Hebert/Remedial Project Manager
(214) 665-8315 or 1-800-533-3508 (toll-free)
or by email at hebert.michael@epa.gov

Jason McKinney/Community Involvement Coordinator
(214) 665-8132 or 1-800-533-3508 (toll-free)
or by email at mckinney.jason@epa.gov

449997-aug 21-1t

APPENDIX D – SITE INSPECTION CHECKLIST

FIVE-YEAR REVIEW SITE INSPECTION CHECKLIST

I. SITE INFORMATION

Site Name: Dutchtown Treatment Plant Superfund Site	**Date of Inspection: 09/04/2020**
Location and Region: Ascension Parish, Louisiana, Region 6	**EPA ID: LAD980879449**
Agency, Office or Company Leading the Five-Year Review: EPA Region 6	**Weather/Temperature:** 94 degrees, clear

Remedy Includes: (check all that apply)

- ☐ Landfill cover/containment
- ☒ Access controls
- ☒ Institutional controls
- ☐ Groundwater pump and treatment
- ☐ Surface water collection and treatment
- ☒ Other: Maintain existing cap and fence.
- ☒ Monitored natural attenuation
- ☐ Groundwater containment
- ☐ Vertical barrier walls

Attachments: ☐ Inspection team roster attached ☐ Site map attached

II. INTERVIEWS (check all that apply)

1. **O&M Site Manager** Tom Isacks (Name) | Eagle Environmental (Title) | 10/12/2020 (Date)
   Interviewed ☐ at site ☐ at office ☐ by phone Phone: _____
   Problems, suggestions ☐ Report attached: _____

2. **O&M Staff** _____ (Name) | _____ (Title) | _____ (Date)
   Interviewed ☐ at site ☐ at office ☐ by phone Phone: _____
   Problems/suggestions ☐ Report attached: _____

3. **Local Regulatory Authorities and Response Agencies** (i.e., state and tribal offices, emergency response office, police department, office of public health or environmental health, zoning office, recorder of deeds, or other city and county offices). Fill in all that apply.

   Agency LDEQ
   Contact Tommy Doran (Name) | _____ (Title) | 09/29/2020 (Date) | _____ (Phone No.)
   Problems/suggestions ☐ Report attached: _____

   Agency _____
   Contact _____Name | _____ (Title) | _____ (Date) | _____ (Phone No.)
   Problems/suggestions ☐ Report attached:_____

   Agency _____
   Contact _____ (Name) | _____ (Title) | _____ (Date) | _____ (Phone No.)
   Problems/suggestions ☐ Report attached:_____

   Agency _____
   Contact _____ (Name) | _____ (Title) | _____ (Date) | _____ (Phone No.)
   Problems/suggestions ☐ Report attached: _____

Agency _____
Contact _____ _____ _____ _____
Name Title Date Phone No.
Problems/suggestions ☐ Report attached: _____

4. **Other Interviews** (optional) ☐ Report attached: _____

Michael Hebert, EPA RPM; General Manager ALL Crane

Councilwoman Teri Casso, District 8 Parish

III. ON-SITE DOCUMENTS AND RECORDS VERIFIED (check all that apply)

1. **O&M Documents**

☐ O&M manual	☐ Readily available	☐ Up to date	☒ N/A
☐ As-built drawings	☐ Readily available	☐ Up to date	☒ N/A
☐ Maintenance logs	☐ Readily available	☐ Up to date	☒ N/A

Remarks: The updated O&M Plan and recent Five Year Reviews were placed in the site repository.

2. **Site-Specific Health and Safety Plan**	☐ Readily available	☐ Up to date	☒ N/A
☐ Contingency plan/emergency response plan	☐ Readily available	☐ Up to date	☒ N/A

Remarks: _____

3. **O&M and OSHA Training Records**	☐ Readily available	☐ Up to date	☒ N/A

Remarks: _____

4. **Permits and Service Agreements**

☐ Air discharge permit	☐ Readily available	☐ Up to date	☒ N/A
☐ Effluent discharge	☐ Readily available	☐ Up to date	☒ N/A
☐ Waste disposal, POTW	☐ Readily available	☐ Up to date	☒ N/A
☐ Other permits: _____	☐ Readily available	☐ Up to date	☒ N/A

Remarks: _____

5. **Gas Generation Records**	☐ Readily available	☐ Up to date	☒ N/A

Remarks: _____

6. **Settlement Monument Records**	☐ Readily available	☐ Up to date	☒ N/A

Remarks: _____

7. **Groundwater Monitoring Records**	☒ Readily available	☒ Up to date	☐ N/A

Remarks: _____

8. **Leachate Extraction Records**	☐ Readily available	☐ Up to date	☒ N/A

Remarks: _____

9. **Discharge Compliance Records**

☐ Air	☐ Readily available	☐ Up to date	☒ N/A
☐ Water (effluent)	☐ Readily available	☐ Up to date	☒ N/A

Remarks: _____

10. **Daily Access/Security Logs** ☐ Readily available ☐ Up to date ☒ N/A

Remarks: _____

IV. O&M COSTS

1. **O&M Organization**

☐ State in-house ☐ Contractor for state

☐ PRP in-house ☒ Contractor for PRP

☐ Federal facility in-house ☐ Contractor for Federal facility

☐ _____

2. **O&M Cost Records**

☐ Readily available ☐ Up to date

☐ Funding mechanism/agreement in place ☒ Unavailable

Original O&M cost estimate: _____ ☐ Breakdown attached

Total annual cost by year for review period if available

From: _____ Date	To: _____ Date	_____ Total cost	☐ Breakdown attached
From: _____ Date	To: _____ Date	_____ Total cost	☐ Breakdown attached
From: _____ Date	To: _____ Date	_____ Total cost	☐ Breakdown attached
From: _____ Date	To: _____ Date	_____ Total cost	☐ Breakdown attached
From: _____ Date	To: _____ Date	_____ Total cost	☐ Breakdown attached

3. **Unanticipated or Unusually High O&M Costs during Review Period**

Describe costs and reasons: _____

V. ACCESS AND INSTITUTIONAL CONTROLS ☒ Applicable ☐ N/A

A. Fencing

1. **Fencing Damaged** ☐ Location shown on site map ☒ Gates secured ☐ N/A

Remarks: Damage to small section of western perimeter fence; temporary fencing in place to cover gap. There is also a fallen tree on part of the western perimeter fence. However, access near both these areas is difficult due to heavy vegetation.

B. Other Access Restrictions

1. **Signs and Other Security Measures** ☐ Location shown on site map ☐ N/A

Remarks: _____

C. Institutional Controls (ICs)

1. **Implementation and Enforcement**

Site conditions imply ICs not properly implemented ☐ Yes ☒ No ☐ N/A

Site conditions imply ICs not being fully enforced ☐ Yes ☒ No ☐ N/A

Type of monitoring (e.g., self-reporting, drive by): _____

Frequency: _____

Responsible party/agency: _____

Contact _____ _____ _____ _____

Name Title Date Phone no.

Reporting is up to date ☐ Yes ☐ No ☒ N/A

Reports are verified by the lead agency ☐ Yes ☐ No ☒ N/A

Specific requirements in deed or decision documents have been met ☒ Yes ☐ No ☐ N/A

Violations have been reported ☐ Yes ☐ No ☒ N/A

Other problems or suggestions: ☐ Report attached

2. **Adequacy** ☒ ICs are adequate ☐ ICs are inadequate ☐ N/A

Remarks: _____

D. General

1. **Vandalism/Trespassing** ☐ Location shown on site map ☒ No vandalism evident

Remarks: _____

2. **Land Use Changes On Site** ☐ N/A

Remarks: None

3. **Land Use Changes Off Site** ☐ N/A

Remarks: None

VI. GENERAL SITE CONDITIONS

A. Roads ☐ Applicable ☒ N/A

1. **Roads Damaged** ☐ Location shown on site map ☐ Roads adequate ☐ N/A

Remarks: _____

B. Other Site Conditions

Remarks: _____

VII. LANDFILL COVERS ☒ Applicable ☐ N/A

A. Landfill Surface

1. **Settlement** (low spots) ☐ Location shown on site map ☒ Settlement not evident

Area extent: _____ Depth: _____

Remarks: _____

2. **Cracks** ☐ Location shown on site map ☒ Cracking not evident

Lengths: _____ Widths: _____ Depths: _____

Remarks: _____

3.	**Erosion**	☐ Location shown on site map	☒ Erosion not evident
	Area extent: _____		Depth: _____
	Remarks: _____		
4.	**Holes**	☐ Location shown on site map	☒ Holes not evident
	Area extent: _____		Depth: _____
	Remarks: _____		
5.	**Vegetative Cover**	☒ Grass	☒ Cover properly established
	☐ No signs of stress	☐ Trees/shrubs (indicate size and locations on a diagram)	
	Remarks: Some small possibly tree/shrublike vegetation is growing in a few spots on the cap. Anticipated to be mowed down when cap is mowed again.		
6.	**Alternative Cover** (e.g., armored rock, concrete)		☒ N/A
	Remarks: _____		
7.	**Bulges**	☐ Location shown on site map	☒ Bulges not evident
	Area extent: _____		Height: _____
	Remarks: _____		
8.	**Wet Areas/Water Damage**	☒ Wet areas/water damage not evident	
	☐ Wet areas	☐ Location shown on site map	Area extent: _____
	☐ Ponding	☐ Location shown on site map	Area extent: _____
	☐ Seeps	☐ Location shown on site map	Area extent: _____
	☐ Soft subgrade	☐ Location shown on site map	Area extent: _____
	Remarks: _____		
9.	**Slope Instability**	☐ Slides	☐ Location shown on site map
	☒ No evidence of slope instability		
	Area extent: _____		
	Remarks: _____		
B. Benches		☐ Applicable	☒ N/A
	(Horizontally constructed mounds of earth placed across a steep landfill side slope to interrupt the slope in order to slow down the velocity of surface runoff and intercept and convey the runoff to a lined channel.)		
1.	**Flows Bypass Bench**	☐ Location shown on site map	☐ N/A or okay
	Remarks: _____		
2.	**Bench Breached**	☐ Location shown on site map	☐ N/A or okay
	Remarks: _____		
3.	**Bench Overtopped**	☐ Location shown on site map	☐ N/A or okay
	Remarks: _____		
C. Letdown Channels		☐ Applicable	☒ N/A
	(Channel lined with erosion control mats, riprap, grout bags or gabions that descend down the steep side slope of the cover and will allow the runoff water collected by the benches to move off of the landfill		

cover without creating erosion gullies.)

1. **Settlement** (Low spots) ☐ Location shown on site map ☐ No evidence of settlement
   Area extent: _____ Depth: _____
   Remarks: _____

2. **Material Degradation** ☐ Location shown on site map ☐ No evidence of degradation
   Material type:_____ Area extent: _____
   Remarks: _____

3. **Erosion** ☐ Location shown on site map ☐ No evidence of erosion
   Area extent: _____ Depth: _____
   Remarks: _____

4. **Undercutting** ☐ Location shown on site map ☐ No evidence of undercutting
   Area extent: _____ Depth: _____
   Remarks: _____

5. **Obstructions** Type: _____ ☐ No obstructions
   ☐ Location shown on site map Area extent: _____
   Size: _____
   Remarks: _____

6. **Excessive Vegetative Growth** Type: _____
   ☐ No evidence of excessive growth
   ☐ Vegetation in channels does not obstruct flow
   ☐ Location shown on site map Area extent: _____
   Remarks: _____

D. Cover Penetrations ☐ Applicable ☒ N/A

1. **Gas Vents** ☐ Active ☐ Passive
   ☐ Properly secured/locked ☐ Functioning ☐ Routinely sampled ☐ Good condition
   ☐ Evidence of leakage at penetration ☐ Needs maintenance ☐ N/A
   Remarks: _____

2. **Gas Monitoring Probes**
   ☐ Properly secured/locked ☐ Functioning ☐ Routinely sampled ☐ Good condition
   ☐ Evidence of leakage at penetration ☐ Needs maintenance ☐ N/A
   Remarks: _____

3. **Monitoring Wells** (within surface area of landfill)
   ☐ Properly secured/locked ☐ Functioning ☐ Routinely sampled ☐ Good condition
   ☐ Evidence of leakage at penetration ☐ Needs maintenance ☐ N/A
   Remarks: _____

4. **Extraction Wells Leachate**
   ☐ Properly secured/locked ☐ Functioning ☐ Routinely sampled ☐ Good condition

☐ Evidence of leakage at penetration ☐ Needs maintenance ☐ N/A

Remarks: _____

5. **Settlement Monuments** ☐ Located ☐ Routinely surveyed ☐ N/A

Remarks: _____

E. Gas Collection and Treatment ☐ Applicable ☒ N/A

1. **Gas Treatment Facilities**

☐ Flaring ☐ Thermal destruction ☐ Collection for reuse

☐ Good condition ☐ Needs maintenance

Remarks: _____

2. **Gas Collection Wells, Manifolds and Piping**

☐ Good condition ☐ Needs maintenance

Remarks: _____

3. **Gas Monitoring Facilities** (e.g., gas monitoring of adjacent homes or buildings)

☐ Good condition ☐ Needs maintenance ☐ N/A

Remarks: _____

F. Cover Drainage Layer ☐ Applicable ☒ N/A

1. **Outlet Pipes Inspected** ☐ Functioning ☐ N/A

Remarks: _____

2. **Outlet Rock Inspected** ☐ Functioning ☐ N/A

Remarks: _____

G. Detention/Sedimentation Ponds ☐ Applicable ☒ N/A

1. **Siltation** Area extent: _____ Depth: _____ ☐ N/A

☐ Siltation not evident

Remarks: _____

2. **Erosion** Area extent: _____ Depth: _____

☐ Erosion not evident

Remarks: _____

3. **Outlet Works** ☐ Functioning ☐ N/A

Remarks: _____

4. **Dam** ☐ Functioning ☐ N/A

Remarks: _____

H. Retaining Walls ☐ Applicable ☒ N/A

1. **Deformations** ☐ Location shown on site map ☐ Deformation not evident

Horizontal displacement: _____ Vertical displacement: _____

Rotational displacement: _____

Remarks: _____

2. **Degradation** ☐ Location shown on site map ☐ Degradation not evident

Remarks: _____

I. Perimeter Ditches/Off-Site Discharge ☒ Applicable ☐ N/A

1. **Siltation** ☐ Location shown on site map ☒ Siltation not evident

Area extent: _____ Depth: _____

Remarks: Sheet flow eastward.

2. **Vegetative Growth** ☐ Location shown on site map ☐ N/A

☒ Vegetation does not impede flow

Area extent: _____ Type: _____

Remarks: _____

3. **Erosion** ☐ Location shown on site map ☒ Erosion not evident

Area extent: _____ Depth: _____

Remarks: _____

4. **Discharge Structure** ☐ Functioning ☒ N/A

Remarks: _____

VIII. VERTICAL BARRIER WALLS ☐ Applicable ☒ N/A

1. **Settlement** ☐ Location shown on site map ☐ Settlement not evident

Area extent: _____ Depth: _____

Remarks: _____

2. **Performance Monitoring** Type of monitoring: _____

☐ Performance not monitored

Frequency: _____ ☐ Evidence of breaching

Head differential: _____

Remarks: _____

IX. GROUNDWATER/SURFACE WATER REMEDIES ☒ Applicable ☐ N/A

A. Groundwater Extraction Wells, Pumps and Pipelines ☐ Applicable ☒ N/A

1. **Pumps, Wellhead Plumbing and Electrical**

☐ Good condition ☐ All required wells properly operating ☐ Needs maintenance ☐ N/A

Remarks: _____

2. **Extraction System Pipelines, Valves, Valve Boxes and Other Appurtenances**

☐ Good condition ☐ Needs maintenance

Remarks: _____

3. **Spare Parts and Equipment**

☐ Readily available ☐ Good condition ☐ Requires upgrade ☐ Needs to be provided

Remarks: _____

B. Surface Water Collection Structures, Pumps and Pipelines ☐ Applicable ☒ N/A

1. **Collection Structures, Pumps and Electrical**

☐ Good condition ☐ Needs maintenance

Remarks: _____

2. **Surface Water Collection System Pipelines, Valves, Valve Boxes and Other Appurtenances**

☐ Good condition ☐ Needs maintenance

Remarks: _____

3. **Spare Parts and Equipment**

☐ Readily available ☐ Good condition ☐ Requires upgrade ☐ Needs to be provided

Remarks: _____

C. Treatment System ☐ Applicable ☒ N/A

1. **Treatment Train** (check components that apply)

☐ Metals removal ☐ Oil/water separation ☐ Bioremediation

☐ Air stripping ☐ Carbon adsorbers

☐ Filters: _____

☐ Additive (e.g., chelation agent, flocculent): _____

☐ Others: _____

☐ Good condition ☐ Needs maintenance

☐ Sampling ports properly marked and functional

☐ Sampling/maintenance log displayed and up to date

☐ Equipment properly identified

☐ Quantity of groundwater treated annually: _____

☐ Quantity of surface water treated annually: _____

Remarks: _____

2. **Electrical Enclosures and Panels** (properly rated and functional)

☐ N/A ☐ Good condition ☐ Needs maintenance

Remarks: _____

3. **Tanks, Vaults, Storage Vessels**

☐ N/A ☐ Good condition ☐ Proper secondary containment ☐ Needs maintenance

Remarks: _____

4. **Discharge Structure and Appurtenances**

☐ N/A ☐ Good condition ☐ Needs maintenance

Remarks: _____

5. **Treatment Building(s)**

☐ N/A ☐ Good condition (esp. roof and doorways) ☐ Needs repair

☐ Chemicals and equipment properly stored

Remarks: _____

6. **Monitoring Wells** (pump and treatment remedy)

☐ Properly secured/locked ☐ Functioning ☐ Routinely sampled ☐ Good condition

☐ All required wells located ☐ Needs maintenance ☒ N/A

Remarks: _____

D. Monitoring Data

1. **Monitoring Data**

☒ Is routinely submitted on time ☒ Is of acceptable quality

2. **Monitoring Data Suggests:**

☒ Groundwater plume is effectively contained ☒ Contaminant concentrations are declining

E. Monitored Natural Attenuation

1. **Monitoring Wells** (natural attenuation remedy)

☒ Properly secured/locked ☒ Functioning ☒ Routinely sampled ☒ Good condition

☒ All required wells located ☐ Needs maintenance ☐ N/A

Remarks: _____

X. OTHER REMEDIES

If there are remedies applied at the site and not covered above, attach an inspection sheet describing the physical nature and condition of any facility associated with the remedy. An example would be soil vapor extraction.

XI. OVERALL OBSERVATIONS

A. Implementation of the Remedy

Describe issues and observations relating to whether the remedy is effective and functioning as designed. Begin with a brief statement of what the remedy is designed to accomplish (e.g., to contain contaminant plume, minimize infiltration and gas emissions).

The selected remedy for the Site is monitored natural attenuation. It was designed to prevent human exposure to contaminated groundwater, prevent contamination of underlying drinking water aquifer and restore contaminated shallow groundwater for future use. Site inspection observations and groundwater data indicate the remedy is effective and functioning as intended.

B. Adequacy of O&M

Describe issues and observations related to the implementation and scope of O&M procedures. In particular, discuss their relationship to the current and long-term protectiveness of the remedy.

Current O&M appears effective, although fenceline issues need to be addressed (hole in fence and tree on fenceline).

C. Early Indicators of Potential Remedy Problems

Describe issues and observations such as unexpected changes in the cost or scope of O&M or a high frequency of unscheduled repairs that suggest that the protectiveness of the remedy may be compromised in the future.

No indications of potential remedy problems were identified.

D. Opportunities for Optimization

Describe possible opportunities for optimization in monitoring tasks or the operation of the remedy.

The groundwater monitoring schedule has recently been reduced. No additional opportunities for optimization were identified.

Site Inspection Participants:

Jennifer Schatzle, LDEQ
Tom Isacks, Eagle Environmental Services
Eric Marsh, Skeo

APPENDIX E – SITE INSPECTION PHOTOS

Gated and locked entrance


Gate on eastern perimeter

Gate on northern perimeter

Hole in fence in western perimeter fenceline

Tree fallen over western fenceline

View of cap, looking north

Close-up of vegetation on cap, which includes a few shrublike plants

On-site monitoring well

French drain access

Remnant south of old wellhouse

APPENDIX F – DATA TABLES AND FIGURES

Table F-1: Data BTEX Summary, August 1997 to October 2018[2]

MW-2

Constituents/Units	Aug-97	Nov-97	Feb-98	May-98	Nov-98	May-99	Nov-99	May-00	Nov-00	May-01	Nov-01	May-02	June-03	June-04	June-05	Oct-06	Oct-07	Nov-08	Oct-09	Nov-10	Nov-11	Oct-12	Nov-13	Sep-14	Sep-15	Oct-18
Volatile Organic Compounds (mg/L)																										
Benzene	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Ethylbenzene	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Toluene	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Xylene	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.010	<0.01	<0.005	<0.005	<0.001	<0.003	<0.003	<0.003	<0.003	<0.001	<0.003

MW-3

Constituents/Units	Aug-97	Nov-97	Feb-98	May-98	Nov-98	May-99	Nov-99	May-00	Nov-00	May-01	Nov-01	May-02	June-03	June-04	June-05	Oct-06	Oct-07	Nov-08	Oct-09	Nov-10	Nov-11	Oct-12	Nov-13	Sep-14	Sep-15	Oct-18
Volatile Organic Compounds (mg/L)																										
Benzene	<0.050	**0.031**	<0.050	<0.050	**0.02**	**0.035**	**0.01**	<0.001	**0.0011**	<0.010	**0.014**	**0.026**	<0.001	**0.0039**	<0.001	<0.005	<0.005	<0.025	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Ethylbenzene	**1.70**	**0.47**	**2.10**	**1.70**	**0.045**	**1**	**0.53**	**0.033**	<0.001	**0.24**	**0.48**	**0.96**	<0.001	**0.39**	**0.671**	**0.188**	**0.306**	**0.651**	**0.37**	**0.052**	**0.0785**	**0.0128**	**0.0307**	<0.001	<0.001	**0.0071**
Toluene	<0.050	<0.010	<0.050	<0.050	<0.001	<0.025	<0.010	<0.001	<0.001	<0.010	<0.010	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.025	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Xylene	<0.100	<0.020	<0.100	<0.100	<0.002	<0.050	<0.020	<0.002	<0.002	<0.020	<0.020	<0.002	<0.002	<0.002	<0.002	<0.010	<0.01	<0.025	<0.005	<0.001	<0.003	<0.003	<0.003	<0.003	<0.001	<0.003

MW-3A

Constituents/Units	Aug-97	Nov-97	Feb-98	May-98	Nov-98	May-99	Nov-99	May-00	Nov-00	May-01	Nov-01	May-02	June-03	June-04	June-05	Oct-06	Oct-07	Nov-08	Oct-09	Nov-10	Nov-11	Oct-12	Nov-13	Sep-14	Sep-15	Oct-18
Volatile Organic Compounds (mg/L)																										
Benzene	**0.053**	**0.042**	<0.200	<0.050	<0.050	**0.15**	**0.086**	<0.001	<0.001	<0.005	<0.050	**0.044**	<0.001	**0.015**	<0.001	<0.005	<0.025	<0.025	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Ethylbenzene	**2.60**	**1.60**	**6.60**	**1.50**	**2.1**	**4.2**	**3.7**	**0.03**	<0.001	**0.25**	**2.2**	**2.7**	**0.013**	**1.8**	**3.14**	**0.102**	**0.724**	**0.856**	**0.815**	**0.12**	**0.0295**	**0.0331**	**0.0107**	**0.005**	**0.0031**	<0.001
Toluene	<0.050	<0.050	<0.200	<0.050	<0.050	<0.100	<0.025	<0.001	<0.001	<0.005	<0.050	<0.001	<0.001	<0.001	<0.001	<0.005	<0.025	<0.025	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Xylene	<0.100	<0.100	<0.400	<0.100	<0.100	<0.200	<0.050	<0.002	<0.002	<0.010	<0.100	<0.002	<0.002	<0.002	<0.002	<0.010	<0.05	<0.025	<0.005	<0.001	<0.003	<0.003	<0.003	<0.003	<0.001	<0.003

MW-4A

Constituents/Units	Aug-97	Nov-97	Feb-98	May-98	Nov-98	May-99	Nov-99	May-00	Nov-00	May-01	Nov-01	May-02	June-03	June-04	June-05	Oct-06	Oct-07	Nov-08	Oct-09	Nov-10	Nov-11	Oct-12	Nov-13	Sep-14	Sep-15	Oct-18
Volatile Organic Compounds (mg/L)																										
Benzene	<0.0046	**2**	**0.007**	**0.012**	**0.0021**	**0.0028**	**0.15**	<0.001	**0.0077**	**0.0012**	<0.001	**0.0091**	**0.004**	**0.028**	**0.91**	<0.005	<0.025	<0.005	**0.007**	**0.024**	**0.0047**	<0.001	**0.009**	<0.001	<0.001	<0.001
Ethylbenzene	**0.11**	**3.80**	**0.27**	**0.11**	**0.022**	**0.087**	**0.23**	**0.0074**	**0.0011**	**0.0023**	**0.0034**	**0.054**	**0.0058**	**0.032**	**2.52**	**0.0167**	**0.63**	**0.0122**	**0.75**	**1.5**	**0.0094**	**0.0063**	**0.292**	**0.0081**	**0.003**	<0.001
Toluene	<0.0025	<0.100	<0.005	<0.0025	<0.001	<0.0025	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.025	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Xylene	<0.005	<0.200	<0.010	<0.005	<0.002	<0.005	<0.010	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.010	<0.05	<0.005	<0.005	<0.001	<0.003	<0.003	**0.0031**	<0.003	<0.001	<0.003

MW-6

Constituents/Units	Aug-97	Nov-97	Feb-98	May-98	Nov-98	May-99	Nov-99	May-00	Nov-00	May-01	Nov-01	May-02	June-03	June-04	June-05	Oct-06	Oct-07	Nov-08	Oct-09	Nov-10	Nov-11	Oct-12	Nov-13	Sep-14	Sep-15	Oct-18
Volatile Organic Compounds (mg/L)																										
Benzene	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Ethylbenzene	<0.001	<0.001	**0.03**	<0.001	<0.001	<0.001	**0.0022**	<0.001	<0.001	<0.001	<0.001	**0.0096**	<0.001	<0.001	<0.001	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Toluene	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Xylene	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.010	<0.01	<0.005	<0.005	<0.001	<0.003	<0.003	<0.003	<0.003	<0.001	<0.003

MW-7

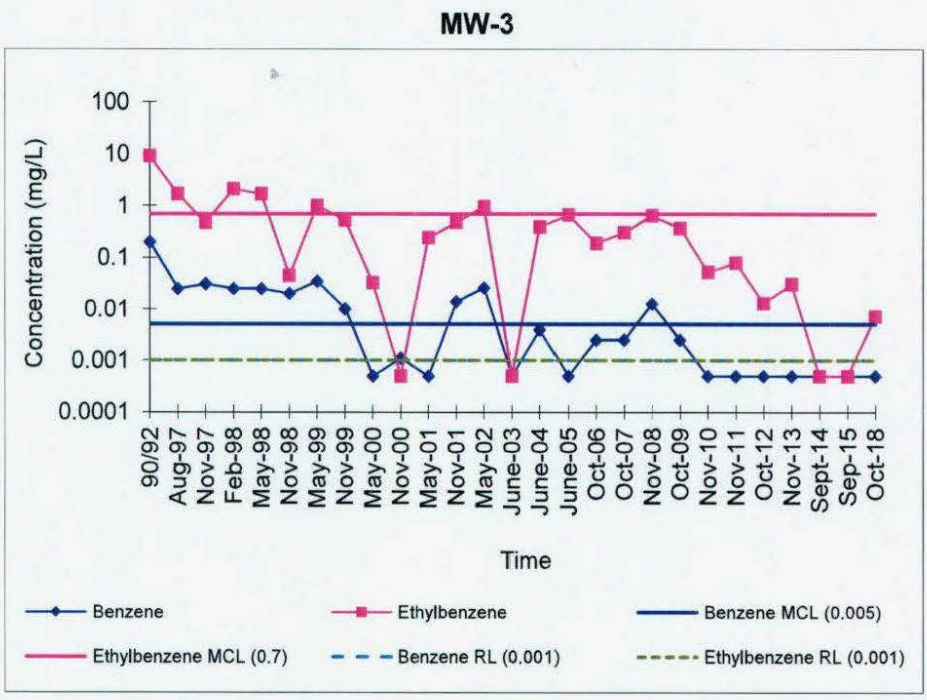
Constituents/Units	Aug-97	Nov-97	Feb-98	May-98	Nov-98	May-99	Nov-99	May-00	Nov-00	May-01	Nov-01	May-02	June-03	June-04	June-05	Oct-06	Oct-07	Nov-08	Oct-09	Nov-10	Nov-11	Oct-12	Nov-13	Sep-14	Sep-15	Oct-18
Volatile Organic Compounds (mg/L)																										
Benzene	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Ethylbenzene	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Toluene	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Xylene	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.010	<0.01	<0.005	<0.005	<0.001	<0.003	<0.003	<0.003	<0.003	<0.001	<0.003

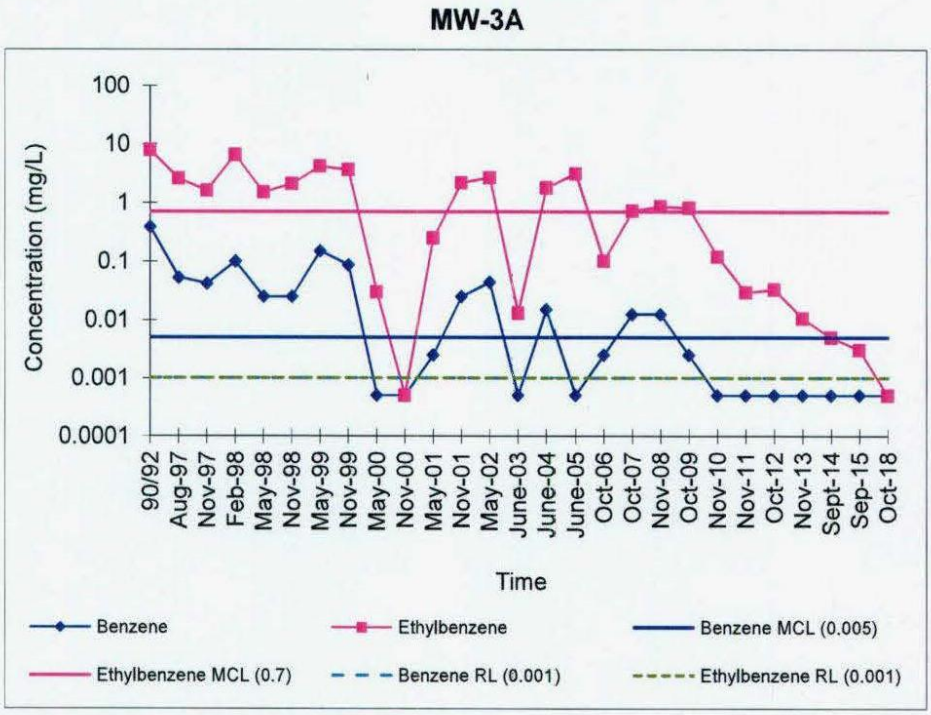
MW-13

Constituents/Units	Aug-97	Nov-97	Feb-98	May-98	Nov-98	May-99	Nov-99	May-00	Nov-00	May-01	Nov-01	May-02	June-03	June-04	June-05	Oct-06	Oct-07	Nov-08	Oct-09	Nov-10	Nov-11	Oct-12	Nov-13	Sep-14	Sep-15	Oct-18
Volatile Organic Compounds (mg/L)																										
Benzene	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NS	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.005	<0.005	<0.001	NS	NS	<0.001	<0.001	NS	<0.001
Ethylbenzene	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NS	<0.001	<0.001	**0.0026**	<0.001	<0.001	<0.001	<0.005	<0.005	<0.005	<0.005	<0.001	NS	NS	<0.001	<0.001	NS	<0.001
Toluene	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NS	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.005	<0.005	<0.001	NS	NS	<0.001	<0.001	NS	<0.001
Xylene	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	NS	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.010	<0.01	<0.005	<0.005	<0.001	NS	NS	<0.003	<0.003	NS	<0.003

[2] Table 4 from the Twenty-First Year of Natural Attenuation Evaluation Report

Figure F-1: Concentration Versus Time Graphs, MW-3 and MW-3A[3]

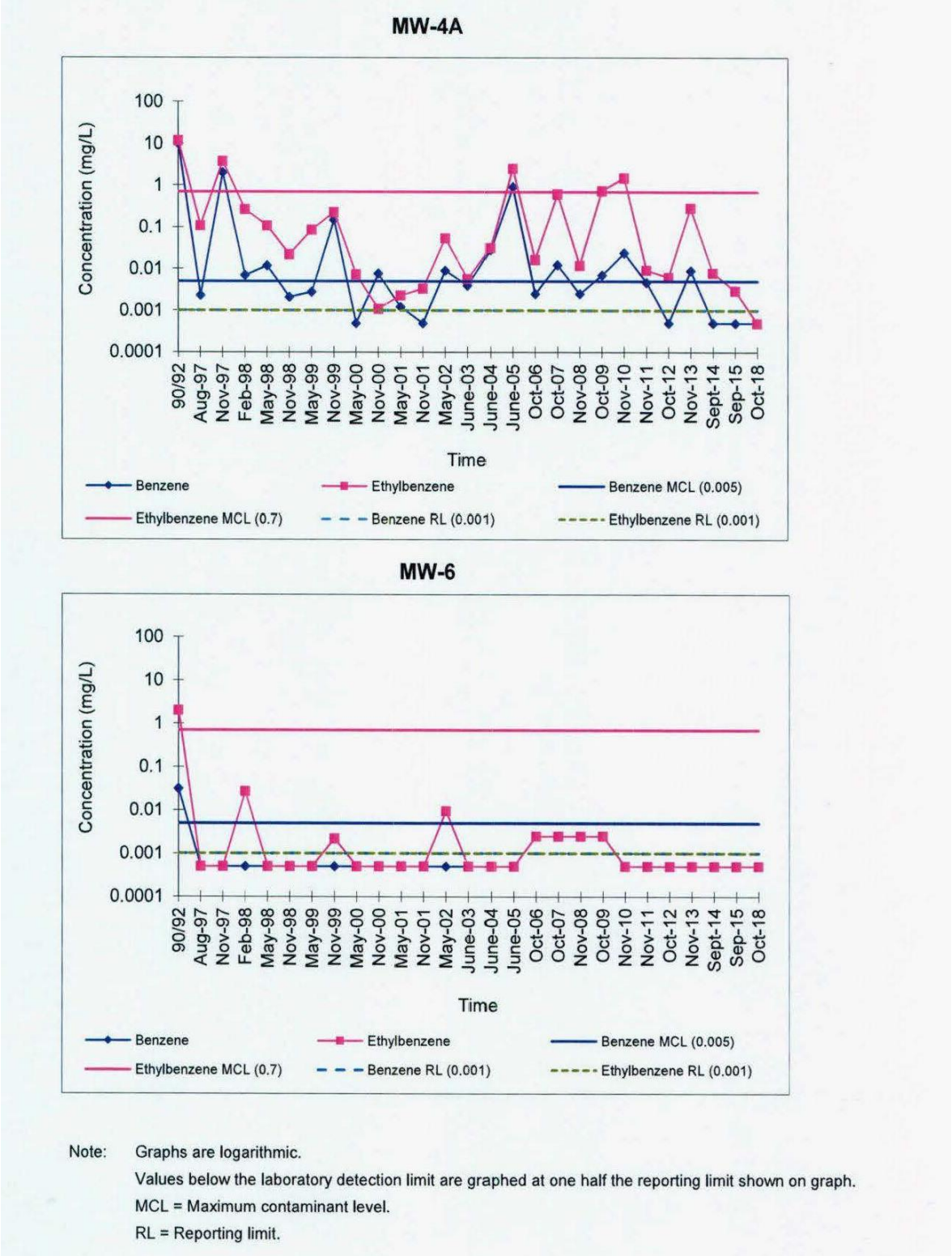




Note: Graphs are logarithmic.
Values below the laboratory detection limit are graphed at one half the reporting limit shown on graph.
MCL = Maximum Contaminant Level.
RL = Reporting Limit.

[3] From the Twenty-First Year of Natural Attenuation Evaluation Report

Figure F-2: Concentration Versus Time Graphs, MW-4A and MW-6[4]



Note: Graphs are logarithmic.
Values below the laboratory detection limit are graphed at one half the reporting limit shown on graph.
MCL = Maximum contaminant level.
RL = Reporting limit.

[4] From the Twenty-First Year of Natural Attenuation Evaluation Report

APPENDIX G – INTERVIEW FORMS

DUTCHTOWN TREATMENT PLANT SUPERFUND SITE FIVE-YEAR REVIEW INTERVIEW FORM	
Site Name: Dutchtown Treatment Plant	
EPA ID: **LAD980879449**	
Interviewer name:	**Interviewer affiliation:**
Subject name: Tommy Doran	**Subject affiliation: Louisiana DEQ**
Subject contact information: (225) 219-3019	
Interview date: 09/29/2020	**Interview time: 11:34AM**
Interview location: Baton Rouge, Louisiana	
Interview format (circle one): In Person Phone Mail ***Email*** Other:	
Interview category: State Agency	

1. What is your overall impression of the project, including cleanup, maintenance and reuse activities (as appropriate)? The Clean up and maintenance of the project have been effective to this point. There has been no reuse of the property this far

2. What is your assessment of the current performance of the remedy in place at the Site? The remedy in place has been effective.

3. Are you aware of any complaints or inquiries regarding site-related environmental issues or remedial activities from residents in the past five years? There were some inquiries to the adjacent property, and I believe there are plans to build access ramps to and from I10 at that location in the future.

4. Has your office conducted any site-related activities or communications in the past five years? If so, please describe the purpose and results of these activities. We have conducted regular inspections of the site as well as inspections following major tropical weather events, and have communicated with the public and USEPA

5. Are you aware of any changes to state laws that might affect the protectiveness of the Site's remedy? None come to mind.

6. Are you comfortable with the status of the institutional controls at the Site? If not, what are the associated outstanding issues? The institutional controls have been effective to date.

7. Are you aware of any changes in projected land use(s) at the Site? As stated above, the State of Louisiana at one time proposed plans to install access ramps to and from I-10 at or near this location.

8. Do you have any comments, suggestions or recommendations regarding the management or operation of the Site's remedy? Not at this time

9. Do you consent to have your name included along with your responses to this questionnaire in the FYR report? I do

DUTCHTOWN TREATMENT PLANT SUPERFUND SITE FIVE-YEAR REVIEW INTERVIEW FORM	
Site Name: Dutchtown Treatment Plant	
EPA ID: LAD980879449	
Interviewer name:	**Interviewer affiliation:**
Subject name: Tom Isacks	**Subject affiliation: Eagle Environmental**
Subject contact information: tom.isacks@eaglered.com	
Interview date: 10/12/20	**Interview time: NA**
Interview location: Baton Rouge	
Interview format (circle one): In Person Phone Mail Email X Other:	
Interview category: O&M Contractor	

I wanted to start off by saying that I recently took over the O&M portion of this project at the end of 2019, so my responses are largely based on a file review of project documents.

1. What is your overall impression of the project, including cleanup, maintenance and reuse activities (as appropriate)? The site has been remediated and is now in the Operation and Maintenance phase as outlined in the O&M Plan. The impoundment is capped and the vegetation is mowed on a periodic basis. Other site maintenance activities include the repair and clearing of the fence that surrounds the site, cap inspections, and groundwater monitoring. Currently, there are no re-use plans for the site but with a proper design, the site could be reused in a safe manner.

2. What is your assessment of the current performance of the remedy in place at the Site? The remedy has been highly effective. Groundwater monitoring performed at the site has documented that all constituents of concern (COCs) remain at levels below Louisiana Risk Evaluation/Corrective Action Program (RECAP) Standards. The clay cap and facility fence have provided adequate protection of the environment and site security.

3. What are the findings from the monitoring data? What are the key trends in contaminant levels that are being documented over time at the Site? The latest groundwater monitoring results continue to document that COCs remain at concentrations below RECAP Standards.

4. Is there a continuous on-site O&M presence? If so, please describe staff responsibilities and activities. Alternatively, please describe staff responsibilities and the frequency of site inspections and activities if there is not a continuous on-site O&M presence. There is not a continuous on-site O&M presence. A geologist or engineer inspects the site on an annual basis. As requested by the USEPA, the site is also inspected after tropical storm and hurricane passages through the area. There is a sign on the front gate directing interested parties to contact the Eagle Environmental office.

5. Have there been any significant changes in site O&M requirements, maintenance schedules or sampling routines since start-up or in the last five years? If so, do they affect the protectiveness or effectiveness of the remedy? Please describe changes and impacts. The USEPA approved the Eighteenth Year Natural Attenuation Evaluation Report in correspondence dated April 6, 2016. This approval included the placement of the site in post-closure status and reducing the groundwater monitoring to a frequency of every three years. The revised O&M Plan was also approved by the USEPA in correspondence dated July 26, 2018. These changes do not impact the protectiveness or effectiveness of the remedy.

6. Have there been unexpected O&M difficulties or costs at the Site since start-up or in the last five years? If so, please provide details. The main unexpected expenses have been due to fence maintenance and occasional fence repairs.

7. Have there been opportunities to optimize O&M activities or sampling efforts? Please describe changes and any resulting or desired cost savings or improved efficiencies. Yes, the size of the groundwater network has been reduced over time, and the reduction in sampling frequency has been helpful.

8. Do you have any comments, suggestions or recommendations regarding O&M activities and schedules at the Site? We agree that the concentrations of groundwater constitutes have been reduced to below applicable Louisiana RECAP levels for many years and that closing out EPA Superfund oversight would be appropriate.

9. Do you consent to have your name included along with your responses to this questionnaire in the FYR report? Yes, I consent to have my name included along with my responses to this questionnaire in the FYR report.

DUTCHTOWN TREATMENT PLANT SUPERFUND SITE FIVE-YEAR REVIEW INTERVIEW FORM	
Site Name: Dutchtown Treatment Plant	
EPA ID: LAD980879449	
Interviewer name: Kirby Webster	**Interviewer affiliation:**
Subject name: General Manager allcrane.com	**Subject affiliation: ALL Crane Rental of Louisiana, LLC**
Subject contact information: 37316 Highway 74, Geismar, LA 70734; Ph: 225-673-8886	
Interview date: 11-11-20	**Interview time:**
Interview location: Subject is located at the property adjacent to and east of the Dutchtown Treatment Plant	
Interview format (circle one): In Person Phone Mail **[Email]** Other:	
Interview category: Local Business	

1. Are you aware of the former environmental issues at the Site and the cleanup activities that have taken place to date? **To some extent.**

2. What is your overall impression of the project, including cleanup, maintenance and reuse activities (as appropriate)? **The property has not been in use, but is being generally maintained as far as we can observe.**

3. What have been the effects of this Site on the surrounding community, if any? **Unknown**

4. Have there been any problems with unusual or unexpected activities at the Site, such as emergency response, vandalism or trespassing? **There has been no unusual or unexpected activity that we are aware of.**

5. Has EPA kept involved parties and surrounding neighbors informed of activities at the Site? **Ms. Webster recently emailed us a copy of the Fourth Five-Year Review Report dated 7-21-16 for the site, but we have not otherwise received any information from the EPA.**

   How can EPA best provide site-related information in the future? **We would like to be added to an email (or mailing) list to receive future reports or other pertinent information about this site if one is available. Our contact information is noted above.**

6. Do you own a private well in addition to or instead of accessing city/municipal water supplies? **No.** If so, for what purpose(s) is your private well used?

7. Do you have any comments, suggestions or recommendations regarding any aspects of the project? **None at this time.**

8. Do you consent to having your name included along with your responses to the questionnaire in the FYR report?
   Yes, that's fine.

DUTCHTOWN TREATMENT PLANT SUPERFUND SITE FIVE-YEAR REVIEW INTERVIEW FORM	
Site Name: Dutchtown Treatment Plant	
EPA ID: Dutchtown Treatment Plant	
Interviewer name: Kirby Webster	**Interviewer affiliation: Skeo**
Subject name: Councilwoman Teri Casso	**Subject affiliation: District 8 Parish Council**
Subject contact information: tcasso@apgov.us**, (225) 806-4427**	
Interview date: October 1, 2020	**Interview time: 10:20 EST**
Interview format (circle one): In Person (Phone) Mail Email Other:	
Interview category: Local Government	

1. Are you aware of the former environmental issues at the Site and the cleanup activities that have taken place to date?

   I am somewhat aware. I am not as familiar with the Site because there have not been any activities in the 9 years while I have been in office.

2. Do you feel well-informed regarding the Site's activities and remedial progress? If not, how might EPA convey site-related information in the future?

   I certainly don't feel well-informed. This call has been quite helpful. A paper or e-mail or some type of communication with a timeline, when it was detected and when it was cleaned up would be helpful.

3. Have there been any problems with unusual or unexpected activities at the Site, such as emergency response, vandalism or trespassing?

   Not to my knowledge.

4. Are you aware of any changes to state laws or local regulations that might affect the protectiveness of the Site's remedy?

   I am not. I am only aware of the discussion of the use of that area for an access ramp to the Interstate. I wonder how that might impact the Site. And whether or not it could actually be done there because of the location.

5. Are you aware of any changes in projected land use(s) at the Site?

   No. I am not. Other than this discussion and the Interstate access.

6. Has EPA kept involved parties and surrounding neighbors informed of activities at the Site? How can EPA best provide site-related information in the future?

   Not to my knowledge. A door knocker or postcard to inform people of the Site, the status and whether there are activities that would not be able to be conducted at the Site would be helpful.

7. Do you have any comments, suggestions or recommendations regarding the project?

   I don't.

8. Do you consent to have your name included along with your responses to this questionnaire in the FYR report?

   Absolutely.

APPENDIX H – CONVEYANCE NOTIFICATION

CONVEYANCE NOTIFICATION

PLEASE TAKE NOTICE THAT: Pursuant to the Comprehensive Environmental Response, Compensation, and Liability Act ("CERCLA"), 42 U.S.C. § 9601 *et seq.*; the National Oil and Hazardous Substances Contingency Plan ("NCP"), 40 C.F.R. Part 300; the Louisiana Environmental Quality Act ("LEQA"), La. Rev. Stat. Ann. Title 30, Subtitle II, Chapters 10 and 12; and the Record of Decision dated June 1994 for the Dutchtown Superfund site, EPA ID No. LAD980879449, Site ID No. 0600633 ("ROD") (available at the Louisiana Department of Environmental Quality ("LDEQ") file room, 602 N. Fifth Street, First Floor, Baton Rouge, LA 70802), Ascension Holding, LLC, hereby notifies the public that:

The property depicted in the plat attached hereto as Exhibit 1 (hereinafter "the Dutchtown Superfund Site") and described in the property description attached hereto as Exhibit 2 has been used to manage hazardous constituents and is the subject of a response action under CERCLA.

Under La. Admin. Code 33:V.Chapter 35 (2005), future use of this property may be restricted to commercial or industrial use. Hazardous constituents above levels that allow for unrestricted exposure may remain in the soil and the groundwater. This notification shall remain effective from the date of its filing until the property (soil and groundwater) subject to this notification can support unlimited uses and unrestricted exposures. EPA and LDEQ shall determine if the hazardous constituents are at levels which allow unlimited use and unrestricted exposure.

Disturbing or removing soil or groundwater may subject the property owner and the party causing the disturbance to liability under CERCLA, the LEQA, or other laws.

INSTRUMENT # 00638851
FILED AND RECORDED
ASCENSION CLERK OF COURT
2006 JUN 09 09:47:33 AM
COB ✓ MOB ____ OTHER ____

DEPUTY CLERK & RECORDER

CERTIFIED TRUE COPY BY

The CERCLA remedy includes but is not limited to:

- the clay cap;
- the French Drain;
- the monitoring wells and piezometers; and
- the fence and gate.

These features are depicted on Exhibit 1. Disturbance of, destruction of, interference with, or in any way damaging or altering elements of the CERCLA remedy without authorization from LDEQ, EPA, or their successor agencies may result in legal liability under CERCLA, the LEQA, or other laws.

The property may be subject to additional future environmental requirements under CERCLA or the LEQA as may be determined necessary by EPA, LDEQ, or their successor agencies. The property may be subject to restrictions under La. Admin. Code 33:V.Chapter 35 (Closure and Post-Closure).

Any owner of the property may become liable jointly and severally under federal law, or in solido under Louisiana law, for any environmental response action required on the property.

ASCENSION HOLDING COMPANY, L.L.C.

By: _____
Lionel Bailey
Representing
Northrop Grumman Ship Systems, Inc., as
Member, Ascension Holding Company L.L.C.

Signed in my presence on the 24th day of May, 2006, in the presence of the undersigned competent witnesses and me, Notary, after reading of the whole.

WITNESSES:

_____
Print Name: JAN T. WHITE

_____
Print Name: DARLENE A. GUAGLIARDO

_____
NOTARY PUBLIC

ANDREW D. PILANT
NOTARY PUBLIC
STATE OF LOUISIANA
La. Bar Roll No. 26468
My commission is issued for life.

Exhibit 1

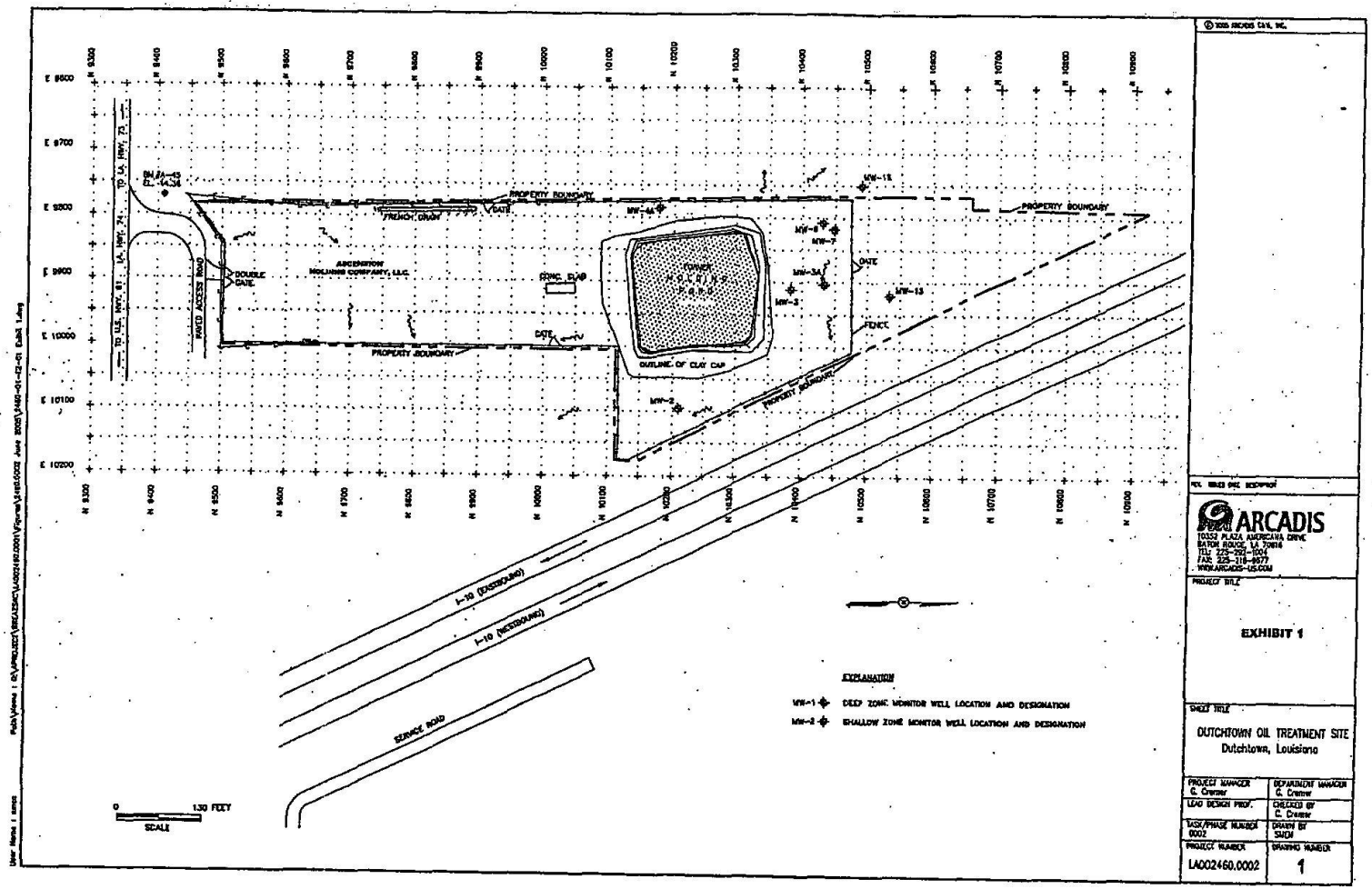

PROPERTY BOUNDARY
FRENCH DRAIN
GATE
DOUBLE GATE
ASPHALT ACCESS ROAD
ASCENSION HOLDINGS COMPANY, LLC
FENCE
OUTLINE OF CLAY CAP
MW-1A
MW-1B
MW-2
MW-3
MW-3A
MW-4
MW-5
MW-6
MW-7
MW-8
MW-13
I-10 (EASTBOUND)
I-10 (WESTBOUND)
SERVICE ROAD
EXPLANATION
MW-1 DEEP ZONE MONITOR WELL LOCATION AND DESIGNATION
MW-2 SHALLOW ZONE MONITOR WELL LOCATION AND DESIGNATION
0
130 FEET
SCALE
ARCADIS
EXHIBIT 1
OUTCHTOWN OIL TREATMENT SITE
Dutchtown, Louisiana
LA002460.0002
1

Exhibit 2

A CERTAIN TRACT OR PORTION OF LAND located in Section 14, Township 9 South, Range 2 East, Southeastern District, Ascension Parish, Louisiana, and being more particularly described on a plan of survey by John P. Earles, III, R.L.S., dated June 5, 1980, and filed with the Act of Sale dated July 9, 2004, between James Glorioso, Inc. (Seller) and Ascension Holding Company L.L.C., a Delaware limited liability company (Buyer) as Conveyance Instrument No. 00582489 in the conveyance records of Ascension Parish, Louisiana. Being more particularly described as follows: COMMENCE at the Southwest corner of Section 14, Township 9 South, Range 2 East, thence proceed North 89 degrees 55 minutes 48 seconds East a distance of 2,708.67 Feet to a point and corner; thence proceed North 0 degrees 33 minutes 02 seconds West a distance of 120.53 Feet to the POINT OF BEGINNING. From said Point of Beginning, continue North 0 degrees 33 minutes 02 seconds West a distance of 1,202.39 Feet to a point and corner; thence proceed North 89 degrees 33 minutes 24 seconds East a distance of 14.81 Feet to an iron pipe and corner; thence proceed North 0 degrees 33 minutes 02 seconds West a distance of 265.66 Feet to an iron rod and corner; thence proceed South 25 degrees 52 minutes 52 seconds East a distance of 862.89 Feet to a pipe and corner; thence proceed South 0 degrees 33 minutes 02 seconds East a distance of 29.69 Feet to an iron pipe and corner; thence proceed South 0 degrees 33 minutes 02 seconds East a distance of 615.39 feet to an iron pipe and corner; thence proceed South 89 degrees 55 minutes 48 seconds West a distance of 144.67 Feet to an iron pipe and corner; thence proceed South 53 degrees 37 minutes 48 seconds West a distance of 78.11 Feet to the POINT OF BEGINNING. Being more fully shown on the above referred to plan of survey.

LESS AND EXCEPT the following described property transferred by Act of Cash Sale by Martha Glorioso Germanis and James Glorioso, Inc. with intervention by Mary Glorioso Pearson, which Act of Cash Sale is recorded at COB 595, Entry No. 412098 of the records of Ascension Parish, Louisiana:

A. All right, title and interest in and to that Servitude Agreement dated April 14, 1998 in favor of Martha G. Germanis, recorded on April 21, 1998, COB 595, Entry No. 411317, in the Parish of Ascension, State of Louisiana; and

B. All right, title and interest in and to that Act of Servitude dated August 22, 2003, made by Martha G. Germanis in favor of TLC Properties, Inc., recorded on September 4, 2003, Conveyance Entry No. 555082, in the Parish of Ascension, State of Louisiana; and

C. All right, title and interest in and to the following described property:

A CERTAIN TRACT OF LAND, together with all the buildings and improvements thereon, and all the rights, ways, privileges, servitudes, appurtenances, advantages thereunto belonging or in anywise appertaining, being situated in the Parish of Ascension, being described as follows:

Commence at the intersection of the North right of way line of Louisiana State Highway 74 and the East right of way line of Interstate 10; thence N25°48'47"W a distance of 547.73' to a point; thence S64°11'13"W, a distance of 20.00' to a point; thence N25°48'47"W, a distance of 823.22' to the Point of Beginning (P.O.B.); thence N25°48'48"W, a distance of 894.73' to a point; thence N00°26'38"W, a distance of 392.01' to a point; thence S88°07'53"E, a distance of 380.97' to a point; thence S00°34'26"E, a distance of 1185.09' to the Point of Beginning.