MARCUS J. MOLINARO
COUNTY EXECUTIVE

WILLIAM F.X. O'NEIL
DEPUTY COUNTY EXECUTIVE
CHIEF OF STAFF

COUNTY OF DUTCHESS

Memo

TO: Dale Borchert, Chairman of the Legislature
Greg Pulver, Chairman, Public Works and Capital Projects Committee

FROM: William F.X. O'Neil, Deputy County Executive

DATE: March 8, 2016

RE: Justice and Transition Center Project

I am responding to Legislators' questions from the February 29th Committee of the Whole meeting regarding the Justice and Transition Center project.

Question: ***Request for comparison of the Traffic Impact Assessment, completed as part of the Expanded Full Environmental Assessment Form (EFEAF), to other similar traffic studies nation-wide.***

Response:
See Attachment #1.

Question: ***What was the cost of the preparation of the EFEAF by The Chazen Companies?***

Response:
The County contracted with Ricci Greene Associates for the project definition phase and schematic design of the Justice and Transition Center Project. Ricci Greene sub-contracted with a number of third party experts including The Chazen Company. The county's agreement with Ricci Greene Associates provides $60,000 in funds for the development of the SEQR documentation. The scope of this project, which was completed by Chazen, included preparation of the following:

- Long form EAF Part 1, 2 and 3;
- Traffic Impact Study;
- Cultural Resources Study;
- Archaeological Study;
- Visual Impact Study;
- County's Notice of intent to serve as Lead Agency and circulation of the EAF and concept site plan to interested and involved agencies;
- County's Declaration of Lead Agency; and
- Determination of significance.

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Additionally, Chazen's presentation to the legislature and availability to answer questions is also included in the $60,000.

Question: ***What was the cost of the Archaeological Study?***

Response:
The Archaeological Consultant was hired for a cost of $2,500; this amount is included in the total $60,000 paid to The Chazen Companies & Ricci Greene Associates for the EFEAF preparation.

Question: ***Provide report on existing Alternatives to Incarcerations and their effectiveness.***

Response:
The report entitled, "Planning and Transition – for Special Populations of Dutchess County," was prepared by Kevin Warwick of Alternative Solutions Incorporated.
See Attachment #2.

Question: ***What would be the estimated cost to add the third floor option, which includes 72 beds, a year or two after the project has been completed?***

Response:
See Attachment #3.

Question: ***Provide the letter from the New York State Office of Parks, Recreation, and Historic Preservation, which indicates their review of the proposed project, and finding that there will be no impact on archaeological or historic resources.***

Response:
See Attachment #4.

Question: ***Provide the latest test results on soil and water quality submitted to the DEC.***

Response:
See Attachment #5.

Question: ***Provide additional information about how wastewater generation was calculated and if estimations fully included the impact of staff and visitors on the facility.***

Response:
See Attachment #6.

C: All Legislators
Carolyn Morris, Clerk of the Legislature

MEMORANDUM

To: Ms. Noel Knille, AIA, ASLA

From: Mr. Christopher Lapine, P.E., LEED AP

cc: Mr. Ken Ricci, FAIA

Date: March 4, 2016

Re: Dutchess County Justice and Transition Center
Trip Generation of Similar Facilities

Job #: 81429.00

This memorandum is to respond to the request of the County Legislature to conduct a document search of trip generation studies for jails/correctional facilities for the purpose of verifying the trip generation assumptions used in our *Traffic Impact Assessment* for the expansion of the Dutchess County Justice & Transition Center, dated August 7, 2015. The document search included a review of transportation profession websites such as the Institute of Transportation Engineers (ITE) and the American Society of Civil Engineers (ASCE), as well as a search of the World Wide Web.

Through this search, two documents were found that studied the trip generation characteristics of jails/correctional facilities. The first was conducted in March 2000 and looked at five facilities in the West Virginia area and the second looked at one site in September 2013 in Washington State. The facilities in the West Virginia area were not identified. The facility in Washington was the South Correctional Entity (SCORE) jail located in Des Moines.

The number of beds in these facilities ranged from 230 to 476. Table 1 lists the trip rates from these studies as well as the trip rates for prisons from ITE's *Trip Generation Manual*.

Table 1 – Trip Rates (trips per bed)

Time Period	Washington Study	WV Study	ITE Prison Rates
AM Peak Hour	0.06	0.14	0.10
PM Peak Hour	0.09	0.10	0.05

Using these rates, Table 2 shows the number of trips that would be generated for an increase of 112 beds at the Dutchess County Justice & Transition Center (457 existing beds to a future expansion of 569 beds.)

Table 2 – Trip Projections by Documented Trip Rate

Time Period	Washington Study	WV Study	ITE Prison Rates
AM Peak Hour	7	16	11
PM Peak Hour	10	11	6

The *Traffic Impact Assessment* for the expansion of the Dutchess County Justice & Transition Center applied an estimate of 50 new trips to be generated by the expansion for the AM peak hour and 50 new trips for the PM peak hour. Comparing this to the calculated new trips using documented trip rates shows that the assumption of 50 new trips is conservative. Therefore, the conclusion of the assessment that very minimal increases in vehicle delay will be experienced with the expansion is valid.

Attachment #2

Planning and Transition

- for Special Populations of Dutchess County Jail

Alternative Solutions Associates, Inc.
Kevin Warwick, President

PLANNING &TRANSITION REPORT

November 15, 2014

This report is designed to assist jail officials guide inmate movement and placement within the Dutchess County Jail (inclusive of temporary housing) consistent with known best practice. Although the Consultant (ASAI) has begun to evaluate community based system gaps, they are not included in this report. The critical goal here is to recommend programming that can be delivered and enhanced as the temporary housing pods come on line. This programming should help offenders reduce their chances of future incarceration and will look different for men or women.

Early goals of this work have been accomplished through the formal committee meetings of the Dutchess County Special Populations Work Group; meetings being held on 8/11/14, 9/8/14, 10/6/14 and 11/3/14. A summary of these meetings is found in the Appendix. It should be noted that the group has worked tirelessly at examining best practice programming for the Dutchess County Jail and a consensus has been arrived upon for the recommendations offered.

Additionally, informal meetings and tours were held with jail administration and staff, and visits/conversations were held with community providers of alternative to incarceration programs and supportive services.

REPORT CONTENTS:

Overview of Best Practices

- Screening and Assessment
- In Jail and Transition Programming
- Case Management and Transition Planning
- Quality Assurance

Observations and Review of Current Dutchess County Jail (DCJ) programs

- Screening and Assessment
- In Jail and Transition Programming
- Case Management and Transition Planning
- Jail Program Management and Coordination of Services
- Quality Assurance

Recommendations and Next Steps

1. Early intervention and screening/assessment
2. Development of a full continuum of care system
3. Refocusing on evidence-based programming and classes
4. Triage and case planning
   Jail Transitions Program System Flowchart
5. Quality assurance
6. In-reach
7. Program management
8. Resource allocation
9. Key Next Steps

Summary

Addendum

Appendix

- Summaries of the Dutchess County Special Populations Work Group meetings
- Draft Men's Program Schedule
  - Groups include education, *Ready, Set, Work!,* cognitive behavioral intervention, New Directions, Anger Management, Mindfulness Training, Parenting, 12 Step Meetings, pro-social activities, and individual case management
- Draft Women's Program Schedule
  - Groups include education, *Ready, Set, Work!,* cognitive behavioral intervention, Seeking Safety, Anger Management, Mindfulness Training, Parenting, 12 Step Meetings, pro-social activities, and individual case management

Overview of Best Practices

During the November 3, 2014 meeting of the Special Populations Workgroup, the Consultant gave an overview of best practices, and the observations found during a review of existing Dutchess County Jail programs.

BEST PRACTICE: SCREENING AND ASSESSMENT

Routine screening and assessment of individual's risks, needs, and capacities is an essential component of an effective jail transition intervention strategy. A brief screen during the booking process should capture risk to reoffend, medical, mental health, and substance abuse issues, and [may] include a checklist to identify less immediate needs, such as employment and housing. Screening information will inform decisions about classification and placement in the jail, and indicate whether a fuller assessment is warranted. A more detailed assessment may be necessary to measure the severity of substance abuse or mental health issues identified during the initial screening and to construct an individual transition plan. Ongoing assessment will inform the construction of an individual's initial jail-to-community transition plan and subsequent revisions to that plan. Case plans and programming must be driven by the risk/needs level of offenders in order to ensure services are provided to those with the highest risk/needs.

BEST PRACTICE: IN JAIL AND TRANSITION PROGRAMMING

Evidence based programming is based on research that is proven to work with a targeted population. Since the Special Populations Committee is focused on evaluation of services for offenders, we are focused on evidence based programming. In an evidence based system, offenders must be placed in a program based on a criminogenic risk/needs assessment that places the right offender into the most appropriate program. Within such a program evidence based curricula that is proven to be effective with offender populations must also be utilized. Once placed appropriately, there is also a need to provide appropriate program dosage to achieve offender behavioral change. For example, higher risk offenders need a larger dosage of programming than lower risk offenders. Regular quality assurance practices are also essential to insure that the intended program delivery and the daily process related to same are reviewed for fidelity on a regular basis.

The scope of a jurisdiction's targeted interventions may range from formal treatment offered in custody to, more commonly, access to community-based providers, volunteers, or family members who conduct "in-reach" into the jail. Some interventions will occur in jail while others will take place in the community after release. Many interventions will begin in jail and continue with a community-based provider after the individual's release from jail, facilitating greater continuity of service which leads to a higher likelihood of behavioral change and better long-term public safety outcomes.

Pre-release interventions, delivered either by jail staff or community-based providers, may include: provision of informational resources such as resource packets, information

bins in the facility, or a designated Resource Officer; brief training programs that prepare individuals for reentry; services such as drug and alcohol treatment, educational programs, and job training; access to community-based and informal social supports such as family, mentors and members of the faith community; and case management to facilitate continuity of care (wherein individual clients retain a single case manager/transition planner before and after release).

Discharge interventions are designed to aid the individual's transition from jail to the community and to sustain gains made through pre-release interventions. Examples of discharge interventions include: resource packets; referrals to community agencies; scheduled appointments in the community; a temporary supply of medication; identification documents; updated transition plans; transportation to a service provider, home, or probation office; and contact information for key individuals who will facilitate the individual's service plan in the community.

Work done while in jail to begin treatment, develop relationships with service providers, and connect individuals to service appointments in the community will have little impact after release without follow-up in the community. Accordingly, it is important that community-based organizations and support networks provide continuity of care—or in many cases, initiate care—through services, training, treatment, and case management when an individual is released. Although volunteers are often utilized to provide supportive services to inmates, evidence based programs must be facilitated by trained professionals. Examples of community-based interventions include service provision in areas such as job readiness training, substance abuse treatment and mental health counseling; post-release case management; access to reentry information through outreach or a toll-free hotline; engaging informal social supports; and post-release supervision, as applicable.

BEST PRACTICE: CASE MANAGEMENT AND TRANSITION PLANNING

A transition plan is essential in preparing individuals for release and enhancing long term reintegration, particularly for those who are assessed as moderate or high-risk/need. The plan specifies the types of interventions an individual needs, when and where interventions should occur and who will deliver them, and the activities for which the individual needs to take responsibility. In the jail setting, informed by risk to reoffend, a transition plan can be as simple as receiving resource packets before release or as comprehensive as working with a case manager and community based providers weeks or months before release and upon return to the community. For higher risk individuals who warrant more comprehensive transition plans, these plans should be informed by an individual's initial screening and assessment and regularly reviewed and updated in jail and after release. Transition plans typically specify pre-release interventions to be delivered either by jail staff or community-based providers conducting jail "in-reach". Plans will also include discharge interventions to address the "moment of release"—those critical first hours and days after release from jail—and to facilitate the provision of needed services in the community. The plans may target issues such as housing, employment, family reunification, educational needs, substance abuse treatment, and health and mental health services. In many cases, a discharge

plan may be the primary intervention for individuals who are released within a short period after their initial admission to jail. This requires a coordinated effort between the Jail staff, Probation, and community providers, with regularly scheduled multi-disciplinary team meetings.

Implicit in this approach is the understanding that "one size" does not fit all and that plans should be tailored for each individual based upon validated screening and assessment results. Some higher risk individuals, for example, will need extensive services and support including intensive case management to effectively transition to the community while their lower risk counterparts may only need minimal assistance, if any.

BEST PRACTICE: QUALITY ASSURANCE

Most evidence based systems incorporate quality assurance practices where key stakeholders work together to evaluate both curriculum and fidelity of programming within their system. This quality assurance team ensures that processes are followed such as the review of risk scores and risk assessments to ensure that offenders are placed in appropriate programming and then are provided a transition plan that allows for connection to community providers. Quality assurance components include:

- Team Collaboration
- Strength-Based, Supportive Approach
- Results-Oriented
- Coaches Possess High Level of Expertise
- Relationships are Important
- Individual-Focused and Centered
- Long-Term Sustainability
- Celebrate Success

Quality assurance teams review and enhance existing curricula and review assessment and programming practices. This includes process measures of reviewing day to day practices and review of program outcomes to insure fidelity and evaluate the success of the model.

Again this process is only successful if it is fully coordinated with Jail staff, Probation, Department of Mental Hygiene and community based providers.

Observations and Review of Current Dutchess County Jail (DCJ) Programs

DCJ: SCREENING AND ASSESSMENT

At present the Jail gathers PROXY scores (age, age at first arrest, and number of prior arrests) to evaluate the level of risk to reoffend posed by all offenders. However, PROXY information is not currently used to triage the offenders for placement into the jail programming. The COMPAS is an evidence based assessment tool used by

Probation and to some degree by the jail staff; however, the results of the COMPAS are not utilized for placement into programs. The Department of Mental Hygiene interviews and targets offenders for programming based on mental health and substance abuse needs determined by clinical interview but this is not integrated with offender risk/ needs information obtained from the COMPAS.

Within the jail there are facilitated programs; however placement into a group is not based on the risk/needs score of the inmate and therefore treatment is not targeted to assessed needs. There is lack of coordination between providers to deliver a coordinated system of evidence based programming as defined above in the best practice section of the report. None of the programs surveyed utilized evidence based curriculum in their classes. This is in part because there has not been a transition plan driven by the risk/needs scores of offenders.

DCJ: IN JAIL PROGRAM AND TRANSITION PROGRAMMING

At present Dutchess County has in jail programs including;

- Substance Abuse Group
- Anger Management
- Employment Readiness/Job Skills Group
- Domestic Abuse and Awareness
- Women's Group
- Trauma Group
- Thresholds group
- Creative Writing
- Individual Counseling

Although these are intended as positive efforts, none of these programs are utilizing an evidence based curriculum, nor are they targeted by need or designed to provide the dosage necessary to realize behavioral change. Evidence based programming as described earlier in this report must be implemented if the County wants to achieve reduction in recidivism and increased public safety.

DCJ: CASE MANAGEMENT AND TRANSITION PLANNING

At present the Department of Mental Hygiene (DMH) prepares transition plans for the inmates DMH targets for services. However, DMH does not develop a fully integrated transition plan looking at all criminogenic risk/needs areas, nor do they coordinate with other key stakeholders/providers.

The Jail does some transition planning with the transition counselor and corrections officers. However, it is not based on a risk/needs assessment and does not include evidence based programming. The correctional officers lack both the education and training to fully implement these plans.

Although some release planning is being undertaken at the Dutchess County Jail, an integrated system of case planning driven by a validated risk/needs assessment, and

targeted evidence based curricula needs to be implemented to realize coordinated programming that begins in the jail and continues into the community.

DCJ: Jail Program Management and Coordination of Services

At present there is not a centralized system of case management. Various staff members including the transition counselor, the mental hygiene staff, and corrections officer do components of all the work described, with a limited system of integration.

DCJ: Quality Assurance

At present there is no integrated system for quality assurance throughout both the jail and community system. Some community programs, such as the Community Transition Center and the Women's Center, utilize evidence based curricula - however this is the exception rather than the rule. There is a major gap in the ability to coordinate and evaluate assessment tools, programming, and case management as a system wide approach.

RECOMMENDATIONS AND NEXT STEPS

1. Early intervention and screening/assessment: It is critical there is an early screening and assessment process to classify and target offenders appropriately in all parts of the system. This includes identifying low risk offenders, who can be considered for alternative programs and move out of the jail; as well as high risk offenders who can be targeted for intensive treatment services at the jail. This process must guide treatment and placement of all types. A PROXY evaluation/validation has already been completed for inmates within Duchess County and PROXY information continues to be collected in the Jail Management System, This information should be used to triage offenders for placement in evidence based interventions. The PROXY takes into consideration:

- Current Age
- Age of First Arrest
- Number of Prior Arrests

Utilization of a Risk/Needs Assessment for higher risk offenders is essential. At present the COMPAS risk/needs assessment tool is being utilized by Probation and should be used to determine which core groups are needed in order to target each inmate's criminogenic needs. Currently the Dutchess County Department of Mental Hygiene reviews the most recent assessment of inmates regarding mental health disorders. This information must be used to target high and medium risk offenders into the intensive treatment unit, as well as determining whether each inmate is able to participate in groups in this type of setting. This effort must be coordinated collaboratively by Jail staff, Probation, and community based providers.

2. Development of a full continuum of care system: There is a need to develop a full continuum of care system for offenders - offering assessments and targeting evidence-based services for higher risk offenders. This model currently exists within the Dutchess County Office of Probation and Community Corrections; however it is not fully integrated in all parts of the system. Ultimately, once developed, a universal continuum of care system should be used throughout Dutchess County, regardless of an offender's placement.

The Dutchess County Jail presently houses out both low and high risk offenders at other facilities, making it impossible to provide a full range of interventions effectively. To implement a system-wide continuum of care, jail based programming and transition to community based supervision, including probation facilitated programs and the residential/nonresidential programs operated by private providers, must all be included. Inmate assignment should be based on the risk level and needs of the offender, not on bed space distribution. Those in the jail treatment unit should be high or medium risk offenders. The consultant and the Committee have discussed that although treatment can be initiated in the jail, a progression to community based transition services is a critical component of an evidence based chain of services to offenders throughout the continuum. The community based components of these services will be discussed in more depth in future reports, but the consultant has expressed the importance of continuity between custody and community treatment options.

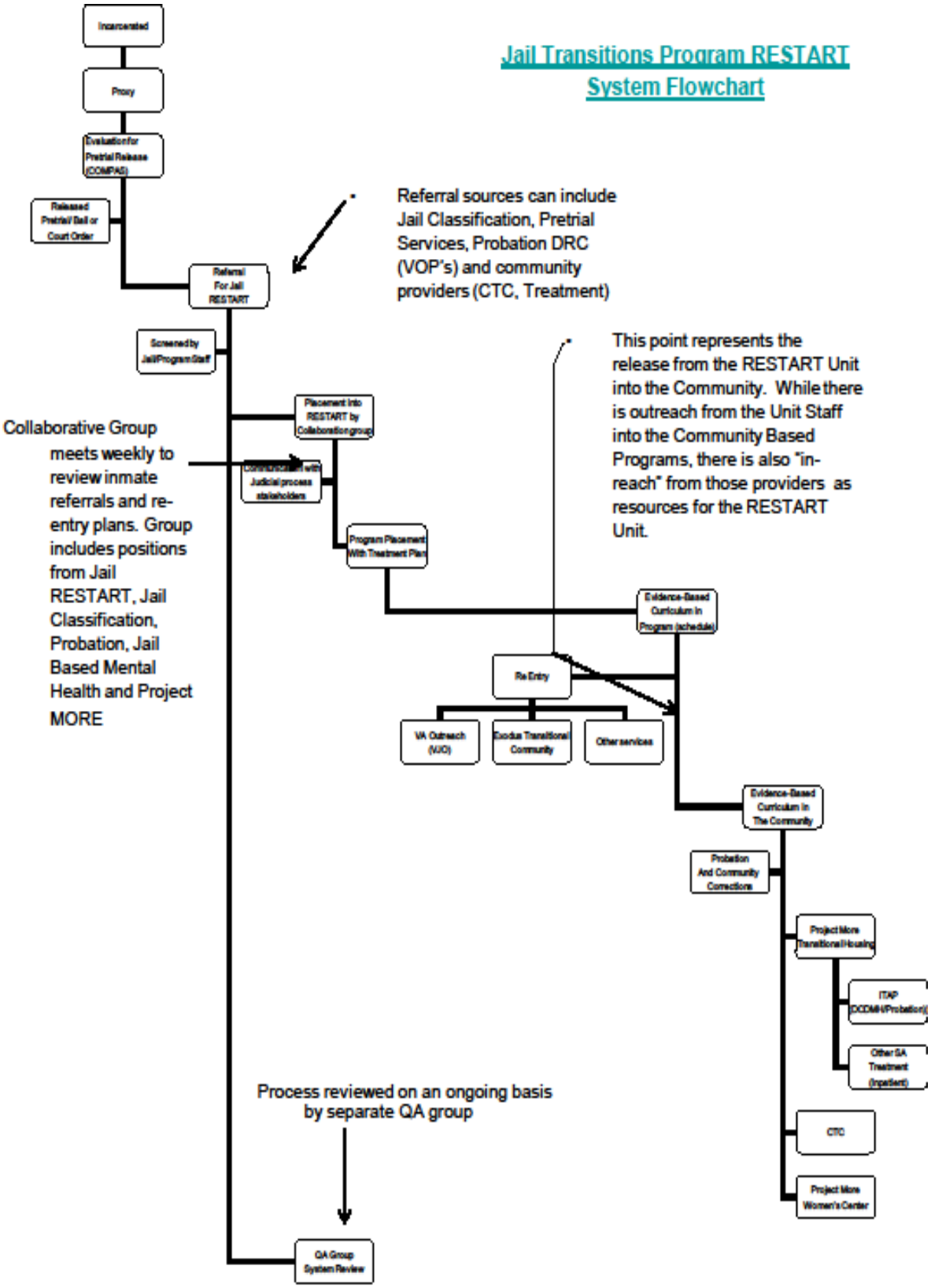
It is crucial to recognize that mental health treatment in the criminal justice population must always be coupled with addressing cognitive and criminogenic issues. Mental health services are provided in the jail however, these services must be integrated with evidence based programing designed to change cognitive and criminogenic needs for each offender. This is an important step moving forward and must be considered when recommending and planning services. This integrated system of services both in jail and in the community is a critical factor in the recidivism reduction process. This requires collaboration between the Jail staff, Probation, and community based providers in jail, and extending to providers in the community including ITAP, Community Transition Center, and the Women's Center.

3. Re-focusing on evidence based programming and classes: Although there are services being provided at the jail currently, evidence based curricula are not being used. This in part has been due to many of the inmates being housed out of the County, which can be remedied when the Pods come on line in early 2015. The County needs to begin to implement evidence based programming in the new program design. DCJ is evaluating the use of either MRT or Thinking for a Change as its core cognitive based curriculum. Coordinating evidence based services and developing a release plan for all high risk offenders, will provide a continuum of care upon re-entry into the community for these offenders, which is an essential part of the process. Beyond the jail, services across the criminal justice system should adhere to evidence based, known best practices. The new jail will provide dedicated spaces for these programs. There is also a need to establish a set of core programs that fit the needs of the clients. Draft program schedules included in the Appendix illustrate examples of an evidence based model. The core classes include cognitive behavioral intervention (MRT or Thinking for a Change), substance abuse treatment through New Directions curricula, employment and job readiness, anger management, education programs, and groups that address co-occurring disorders.

4. Triage and case planning: There is a need to triage cases by risk to reoffend for placement into the intensive treatment program in the DCJ. The triage will allow for movement and case planning throughout the system. Clear guidelines should be developed by a collaborative group of Dutchess County stakeholders to determine offender risk levels that are appropriate for various interventions. At a minimum, this group should consist of representatives from jail classification, jail programming, probation staff, mental hygiene staff working at the jail, ITAP, Transitions House, Community Transition Center, and the Women's Center. This multidisciplinary team could also act as a quality assurance team and review entrance into the program, as well as develop a continuum of care plan for each offender.

The following flowchart outlines the continuum of care, triage and case planning, proposed for Dutchess County.

Jail Transitions Program RESTART System Flowchart



5. Quality assurance: There is a need to set up a quality assurance team comprised of jail program staff, probation staff, department of mental hygiene staff, and community providers to review all existing curricula, review the ability to deliver these services with fidelity, ensure there is a set of core programming along the continuum of care, and ensure that process and flow are followed as agreed upon and designed. Each of these agencies should be using evidence based curricula with continuity all along the continuum. The quality assurance team will be able to provide updates to the Special Populations Committee and other key committees, including the CJC, moving forward.

6. In- reach: The Dutchess County Jail should allow for more regular contact within the jail for those community based providers who service jail clients upon return to the community. This can be accomplished by community providers delivering services in the jail and then continuing them in the community or by increasing opportunities for simply interviewing or building rapport with offenders while they are incarcerated. To achieve this goal, the County should add resources to contract with community based provider(s) in much the same fashion as Probation contracts with providers in the community.

7. Program management: There is a need for a coordinated effort of management of jail programs. The Lt. in charge of programming will work closely with the jail transition counselor, mental hygiene staff, as well as probation and the selected vendor, to coordinate program operations.. There is also a need for regular treatment meetings in order to triage offenders for placement into the programs, as well as to develop transition plans in preparation for the offender's move to the community. Key community agencies, as well as jail transition staff, probation, and mental hygiene, must work collaboratively on the development of a universal transition/case plan. A weekly review of cases must occur with key providers to facilitate effective and timely placement in targeted treatment with continuity from jail to the community. There is a need to extend this post release planning to include community based providers.

8. Resource allocation: The County must utilize individuals with the professional skills and training needed to implement jail based programming, rather than correctional officers. Local community based agencies are an asset for these jail programming services. Utilizing private providers is a cost effective model aligned with evidence based programming and practice. The correctional officers could be assigned to the program unit providing the supervision and security component as well as possibly co-facilitating non-clinical groups. This consultant recommends that the County submit an RFP seeking a contract with a qualified community based provider(s) to implement/facilitate the jail programming services.

KEY NEXT STEPS

1. Identify inmates for the Unit by targeting high and medium risk offenders. Hold an initial meeting with key agencies as described above to triage cases and target inmates for the men's and women's treatment units.
   There has already been a subcommittee established that is beginning work on this.

2. Finalize curriculum to be delivered at the jail. This includes:
   - Deciding between MRT or Thinking for a Change
   - Getting staff that will be delivering the substance abuse treatment program trained in facilitating New Directions
   - Begin the RFP process to solicit a provider to deliver programming and case management.

   A group is already meeting to begin work on curriculum development and to review existing resources that can be dedicated to programming.

3. Establish a minimum staffing requirement for provision of jail programming, which should use any existing resources from Probation, Mental Hygiene and the Jail. Additional services should be contracted. ***At a minimum, there is a need for four FTE to provide a full day treatment program for the men and women - two case managers and one coordinator/manager and one clinician for the program.*** This does not include the correctional officer assigned to the unit 24 hours per day, which is part of regular operational costs for the jail. A subcommittee should be established to develop an RFP for these types of services as soon as possible

4. Commence the transition of those existing correctional officers who are designated as program staff to other assignments within other units in the jail, or for supervision/custody duties in the program unit. The financial resources previously identified for jail program staff can be utilized for the contract with a community based provider.

5. Develop an RFP to contract with a community provider for jail programming services not being offered by existing resources through the County. The solicitation should seek service provision for evidence based groups, case management and transition planning for the inmates assigned to the unit, and weekly collaboration with Jail staff, Probation, and community based providers. Communication and coordination with the transition counseling and security staff will occur on a daily basis.

SUMMARY

The Dutchess County Jail has a wide array of experienced staff working in all aspects of programming. Skilled professionals, both in the jail and in the community, can facilitate evidence based programs as long as there is a system wide commitment for such. The jail has had many challenges fully implementing programs due to the inmates being housed out of the county during the past several years. However, as the inmates return and are housed in the PODS, the County will be able to implement the programmatic changes needed to fully develop an evidence based system of programs and transitional services for offenders.

The County needs to rethink the present system of service in the jail, utilizing community based providers rather than jail staff for programming. Correctional staff can be used to work within the units providing supervision and support for the program, while contracted provider agencies facilitate the programming and transitional services for the inmates. This will promote continuity of care as inmates will work with the same providers in the jail and in the community.

Integrating best practice throughout the system - targeting high risk offenders for case management and programming, providing evidence based programming and curricula both in jail and in the community, all driven by the screen and assessment - is an essential part of this process.

In reach and Coordination of community based providers:

There has been work done to provide updates and training to community based providers. The consultant, along with some committee members, will present an overview of the work of the Committee and a summary of in jail programming to the Dutchess Mental Health /Chemical Dependency Providers' meeting on February 9th at 2:00pm. Additional meetings will occur in the future to continue this ongoing dialogue .

Addendum to the November 15th report

Since the writing of this report the Committee and the County have made great strides in the process of moving forward on the development of an evidence based community reentry system. Some of these items are fully completed while others are in process. I would like to commend the County, the Office of Probation and Community Corrections, the Department of Mental Hygiene, jail staff, and community based providers in their efforts.

Early intervention and assessment:
A program flow committee has been meeting to discuss working through the details of a target population for the program. Staff from the jail, probation, Mental Hygiene, and community based providers has worked on this. Going forward, this committee will meet on an ongoing basis to review cases coming into the program, and also review progress and needs as they transition to the community.

The staff will utilize the PROXY to identify high risk offender and will target offenders serving 45 days and above for programming as well as other targeted offenders in the jail. All inmates will have a COMPAS assessment to assess criminogenic risks/needs, and also an assessment for substance abuse and mental health needs in the program. A review committee has been established and will begin meeting in February to target offenders for the program. Cost for these programs is estimated at $235,000/year. $150,000 is part of the existing budget; other savings will be actualized from reduced cost over time accumulated by the correctional officers who were doing case management, when they move back to the role of correctional officer.

Finalize curricula and target interventions:
A quality assurance committee has met to review existing curricula and review several best practice items. These curricula include Moral Recognition Therapy, a cognitive behavioral intervention that assists with decision making, a substance abuse curriculum, and a trauma based curricula for those with mental health disorders. The quality assurance committee has been meeting to develop a system to support implementation of these interventions. The curriculum recommended by the committee and the quality assurance process is in full adherence to evidence based practice and will allow for ongoing improvement and enhancement of the model. Several new staff have been trained on MRT; the curriculum has been ordered and should be available to staff within the next few weeks. The County has applied for *Thinking for a Change*, a cognitive based behavioral curriculum, through the National Institute of Corrections, that provides training for 40 staff including correctional officers, probation, mental hygiene staff, and community based providers. This training would be provided at no cost to the County.

Establish a minimum staffing requirement for provision of jail programming
The Special Populations committee has reviewed staff recommendations and a subcommittee is in the process of finalizing a Request for Proposal to secure a vendor to provide services. This additional staffing will allow for a full program for both men and

women in the Dutchess County Jail, along with transitional planning for offenders. These staff will work with the jail staff, probation staff, and mental hygiene staff - who will also facilitate groups and provide services. A full day program schedule has been developed and jail programming space has been designed for programming.
It is estimated that this program will serve 350 male and female inmates during the first year and 400-500 moving forward.

Program Management
The process for managing the program is currently being reviewed, including the role of a community vendor in the operations, the roles of probation, mental hygiene, and jail staff, and coordination of these transitional services.

Summary:

This consultant has seen great progress by the Committee and key staff in the County in examining their present system of services for inmates and developing an implementation plan to improve those services. These enhanced services are only part of the committee work, as they continue to look at enrichment by community based options that provide opportunities for offenders to receive services upon release in the community.

APPENDIX

SUMMARIES OF THE DUTCHESS COUNTY SPECIAL POPULATIONS WORK GROUP MEETINGS

August 11, 2014 Committee Meeting

Consultant Kevin Warwick of Alternative Solutions Associates, Inc. provided a brief overview of best practice work and the critical need to provide evidenced based assessment programming throughout the system. The key agenda item for the first meeting was going over the scope of work for the project. This scope of work includes examination of jail program enhancements, providing recommendations for new programming that can assist offenders in successfully transitioning to the community. For both in jail programs and community based programs, the Committee will look at special populations - including offenders with mental health and substance abuse disorders, programming for women and youthful offenders.

A summary of the reports that will be provided to the Criminal Justice Council was provided as well as next steps for the Work Group. The next steps include:

1. Review existing curricula and recommend modifications or enhancements to jail programming
2. Develop a plan for programs as the inmates return to Dutchess County Jail with the installation of temporary pods
3. Review data on special populations, mental health, and substance abuse treatment
4. Coordinate training with stakeholders and providers regarding the factors of criminogenic risks and needs.
5. Review Alternative options in Dutchess County and make recommendations for potential enhancements.

September 8, 2014 Committee Meeting

The focus of the September meeting was to discuss jail programming with an overview of several best practice programs from around the country. This included an initial summary from the Consultant, followed by a full discussion amongst the Committee regarding next steps.

Consultant Kevin Warwick began by outlining key points utilizing a PowerPoint presentation - reviewing three different sized jails from various parts of the country, and the types of programming undertaken by each. These included the Sullivan County, NH jail and community corrections transition center, the Franklin County, MA transition from jail to community intervention elements, and the Kent County, MI jail reentry programming.

Following the PowerPoint, a summary of the existing Dutchess County Jail programs was presented, with a discussion of potential core programming to be provided in the jail once the inmates return in January/February 2015.

The Committee came to a consensus on the following enhancements to the Dutchess County Jail programs:

1. Program participation should be driven by risk and needs scores.
2. The Transitions Units 22 for men and 23 for women should be the designated area to target programming.
3. Inmates should be focused on programming while in the unit, not on full time institutional jobs.

October 6, 2014 Committee Meeting

The discussion and examination of best practices has led the committee to recommend the following core programs for the Dutchess County Jail:

1. Cognitive behavioral therapy – either Thinking for a Change (T4C) or Moral Reconation Therapy (MRT)
2. Substance abuse education classes
3. Co-occurring classes – addressing both mental health and substance abuse issues
4. Educational programming such as GED preparation
5. Employment readiness classes

The core programming needs to be comprised of evidence based curricula. Triage upfront is important in order to target interventions for the individual. Some staff may need additional training in curricula and assessment facilitation. Further, additional resources (personnel or contractual) may be needed in order to provide the core programming and any supplemental activities. A draft program schedule is to be prepared for presentation at the November meeting, along with information regarding available grants and funding for resources. Kevin will also compile a curriculum for review by the committee, working with committee members on this prior to the November 3rd meeting.

Noel Knille recommended that we begin to incorporate multiple functionality for the architects in designing the new facility. This includes determining whether the transition phase should occur at a specific site adjacent to the new jail, on the jail campus, or at a remote location. The more options the better.

Our next steps are to create a draft curriculum; create a classification system that includes substance abuse; explore options for training and grant funding. The Committee emphasized that the core programming should utilize evidence based curricula.

November 3, 2014 Committee Meeting

During the November 3rd meeting, the Consultant gave an overview of best practices, the observations found during a review of existing Dutchess County Jail programs, and recommendations for next steps to bring the Dutchess County Jail programs in line with best practices.

The overview of best practices as compared to Dutchess County current practices included Screening and Assessment, In Jail and Transition Programming, Case Management and Transition Planning, and Quality Assurance. These comparisons have been presented earlier in this report.

Draft Men's Program Schedule

TIME	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
8:30 AM – 10:00 AM	T4C/MRT	Seeking Safety	T4C/MRT	Seeking Safety	T4C/MRT	Study/Leisure Time Visits	Study/Leisure Time Visits
10:00 AM-11:30 AM	New Directions	Ready Set Work!	New Directions	Ready Set Work!	New Directions		
12:30 PM-3:00 PM	Education-GED (12:30-3 pm) Case Management (1-3 pm)	Anger Management (1-2 pm) Case Management (2-3 pm)	Education-GED (12:30-3 pm) Mindfulness Training (1-2 pm)	Education-GED (12:30-3 pm) Parenting (1-2:30 pm)	Education-GED (12:30-3 pm) Case Management (1-3 pm)		
3:00 PM-6:00 PM	Count/ 4-12 Shift Dinner	Count/ 4-12 Shift Dinner	Count/ 4-12 Shift Dinner	Count/ 4-12 Shift Dinner	Count/ 4-12 Shift Dinner	Count/ 4-12 Shift Dinner	Count/ 4-12 Shift Dinner
6:00 PM – 9:00 PM	Education-ESL Bible Studies NA Meeting Study/Leisure Time	Cinematherapy Study/Leisure Time Visits	Education-ESL Bible Studies Creative Writing AA Meeting	Cinematherapy Study/Leisure Time Visits	Education-ESL Creative Writing Study/Leisure Time	Study/Leisure Time Dinner/Study Open classroom	Study Time Dinner/Study Open Classroom
9:00 PM-10:00 PM	Shower/Lock In	Shower/Lock In	Shower/Lock In	Shower/Lock In	Shower/Lock In	Shower/Lock In	Shower/Lock In

Draft Women's Program Schedule

TIME	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
8:30 AM – 10:00 AM	T4C/MRT	Seeking Safety	T4C/MRT	Seeking Safety	T4C/MRT	Study/Leisure Time Visits	Study/Leisure Time Visits
10:00 AM-11:30 AM	Covington	Ready-Set Work	Covington	Ready-Set Work	Covington		
12:30 PM-3:00 PM	Education-GED (12:30-3 pm) Case Management (1-3 pm)	Anger Management (1-2 pm) Case Management (2-3 pm)	Education-GED (12:30-3 pm) Mindfulness Training (1-2 pm)	Education-GED (12:30-3 pm) Parenting (1-2:30 pm)	Education-GED (12:30-3 pm) Case Management (1-3 pm)		
3:00 PM-6:00 PM	Count/ 4-12 Shift Dinner	Count/ 4-12 Shift Dinner	Count/ 4-12 Shift Dinner	Count/ 4-12 Shift Dinner	Count/ 4-12 Shift Dinner	Count/ 4-12 Shift Dinner	Count/ 4-12 Shift Dinner
6:00 PM – 9:00 PM	Education-ESL Bible Studies NA Meeting Study/Leisure Time	Cinematherapy Study/Leisure Time Visits	Education-ESL Bible Studies Creative Writing AA Meeting	Cinematherapy Study/Leisure Time Visits	Education-ESL Creative Writing Study/Leisure Time	Study/Leisure Time Dinner/Study Open classroom	Study Time Dinner/Study Open Classroom
9:00 PM-10:00 PM	Shower/Lock In	Shower/Lock In	Shower/Lock In	Shower/Lock In	Shower/Lock In	Shower/Lock In	Shower/Lock In

RICCIGREENEASSOCIATES

Additional Two Housing Units Cost Projection

Dutchess County Justice and Transition Center Project

RGA Project #: 40250130
County Project #: 14-0364
March 4, 2016

As requested, Ricci Greene Associates and Turner prepared an order of magnitude cost study to determine the costs to add the Alternate, two (2) additional housing units on the third floor, as a separate construction phase after the project is completed. We developed an estimate for 2 years, 5 years, and 10 years after completion of the project.

Housing Units Alternate in Base Bid (72 beds) *As indicated in Construction Cost Estimate, prepared on January 4, 2016*	$ 15,012,000	
2 years after completion *Additional construction cost*	$ 18,832,000	***+ $ 3,820,000***
5 years after completion *Additional construction cost*	$ 19,989,000	***+ $ 4,977,000***
10 years after completion *Additional construction cost*	$ 23,306,000	***+ $ 8,294,000***

Notes:

1. This estimate <u>does not</u> include inmate relocation, temporary housing and additional facility security as required to allow work to proceed in an occupied secure jail.
2. The order of magnitude estimate includes an initial investment required in the original base bid and construction to accept future expansion at a later date.
3. The estimate includes a premium for schedule impact, complexity, construction over occupied space and escalation.

DRAFT

Attachment #4

NEW YORK STATE OF OPPORTUNITY.

Parks, Recreation, and Historic Preservation

ANDREW M. CUOMO
Governor

ROSE HARVEY
Commissioner

September 14, 2015

Ms. Noel Knille
Commissioner
Dutchess County Department of Public Works
22 Market St
Poughkeepsie, NY 12601

Re: DEC
Dutchess County Justice and Transportation Center
150 North Hamilton Street, Poughkeepsie, NY 12601
15PR04654

Dear Ms. Knille:

Thank you for requesting the comments of the Office of Parks, Recreation and Historic Preservation (OPRHP). We have reviewed the project in accordance with the New York State Historic Preservation Act of 1980 (Section 14.09 of the New York Parks, Recreation and Historic Preservation Law). These comments are those of the OPRHP and relate only to Historic/Cultural resources. They do not include potential environmental impacts to New York State Parkland that may be involved in or near your project. Such impacts must be considered as part of the environmental review of the project pursuant to the State Environmental Quality Review Act (New York Environmental Conservation Law Article 8) and its implementing regulations (6 NYCRR Part 617).

Based upon this review, it is the New York State Office of Parks, Recreation and Historic Preservation's opinion that your project will have no impact on archaeological and/or historic resources listed in or eligible for the New York State and National Registers of Historic Places.

If further correspondence is required regarding this project, please be sure to refer to the OPRHP Project Review (PR) number noted above.

Sincerely,

Ruth L. Pierpont

Ruth L. Pierpont

Deputy Commissioner for Historic Preservation

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Capital District Office (518) 273-0055
North Country Office (518) 812-0513

Attachment #5

February 22, 2016

Mr. Michael A. Mason, P.E.
Regional Hazardous Waste Remediation Engineer
New York State Department of Environmental Conservation
625 Broadway, 12th Floor
Albany, NY 12233-7017

Re: 2015 Groundwater Monitoring Report and Site Information Update
Former Hamilton Reproduction, Dutchess County, NY
NYSDEC Site Number: B-00020-3
Chazen Job No. 90926.00

Dear Mr. Mason:

This report provides 1) the groundwater monitoring results for the second sampling event at the Former Hamilton Reproduction site following the June 24, 2010 issuance of the Certificate of Completion, 2) the annual site-wide inspection results and owner documentation, and 3) documentation of a change in ownership for the property and a request to transfer the Certificate of Completion to the new owner.

As presented in the New York State Department of Environmental Conservation (NYSDEC) approved Site Management Plan (SMP), it is anticipated that a Periodic Review Report will be submitted to NYSDEC 18 months after the active sub-slab depressurization system is installed as part of future site development.

2015 Groundwater Monitoring

The 2015 groundwater sampling activities were conducted on February 8 and 9, 2016. Field activities included measuring groundwater elevations in the three monitoring wells, collecting field measurements of natural attenuation parameters (i.e., pH, dissolved oxygen (DO) and oxidation-reduction potential (ORP)), and collecting groundwater samples for laboratory analysis.

Depth to groundwater measurements were obtained from shallow overburden monitoring wells HR-MW-B1, HR-MW-B2 and HR-MW-B3 during the sampling event (Figure 2). Groundwater depths were measured from the top of the well casing.

A peristaltic pump was used to purge water from each monitoring well prior to sampling. Well HR-MW-B1 was purged dry and allowed to recover prior to sampling. At least three well volumes were purged from wells HR-MW-B2 and HR-MW-B3. A calibrated YSI Model 556 handheld multi-parameter probe utilizing a flow-through cell was used to collect field measurements of pH, specific conductance, temperature, DO, and ORP from each monitoring well during purging and before the samples were

collected. Measurements of field parameters are presented in **Table 1**, and **Appendix A** provides copies of field data sheets.

Groundwater samples were collected using a peristaltic pump and placed directly into 40-ml glass vials. Samples were stored on ice for preservation and were shipped to York Analytical Laboratories, Inc. (York) of Stratford, Connecticut under a chain of custody. The groundwater samples were analyzed for volatile organic compounds (VOCs) by EPA Method 8260.

Groundwater Sampling Results

Tables 2 through 4 provide a summary of VOC analytical results for groundwater samples from the 2015 event along with data from the initial November 2009 sampling event. The data indicate that certain VOCs are present in site groundwater at concentrations that exceed the Technical and Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards and Guidance Values.

While the data show that concentrations of VOCs this site area still slightly exceed regulatory groundwater standards, concentrations are consistent with expectations of a site undergoing monitored natural attenuation.

A copy of the analytical laboratory report for this monitoring event is provided in **Appendix B**.

Annual Site-Wide Inspection

The 2015 annual site-wide inspection was performed on February 8, 2016, and the form documenting observations is provided as Appendix B. Also attached in the owner's signed IC/EC Certification form.

The site continues to be used for parking. The site has been sold to Dutchess County, and they have provided the attached the Notification of Site Change of Use to document that change (**Appendix C**) and the Notification of Transfer of Certificate of Completion (**Appendix D**).

Requested Modification to the Certificate of Completion

The County plans to expand their adjoining jail facility onto the ERP site and requests that the COC be modified to allow related dormitories in this area. As noted in the Site Management Plan, confirmation soil sample results meet Restricted-Residential Use SCOs (SMP Table 13); therefore, we respectfully request NYSDEC and NYSDOH input on the next steps to achieve this COC modification. We understand that some changes to the Site Management Plan may be needed.

Conclusions

Groundwater analytical results from the Former Hamilton Reproduction site demonstrate the effectiveness of the 1999/2000 soil removal action, and the resulting decrease in CVOCs and benzene concentrations. Residual groundwater concentrations of these compounds are at very low levels. Exposures to potentially contaminated groundwater are not expected because public water serves this municipality and contaminated soils have been removed. The site has not yet undergone redevelopment and the NYSDEC-approved Site Management Plan includes required activities that will be implemented as part of future site development and building construction/maintenance.

The 2016 annual site-wide inspection is scheduled for October 2016, and the next groundwater sampling event is scheduled for October 2020, consistent with the NYSDEC-approved Site Management Plan.

Please contact me at (518) 266-7328 if you have any questions or require additional information.

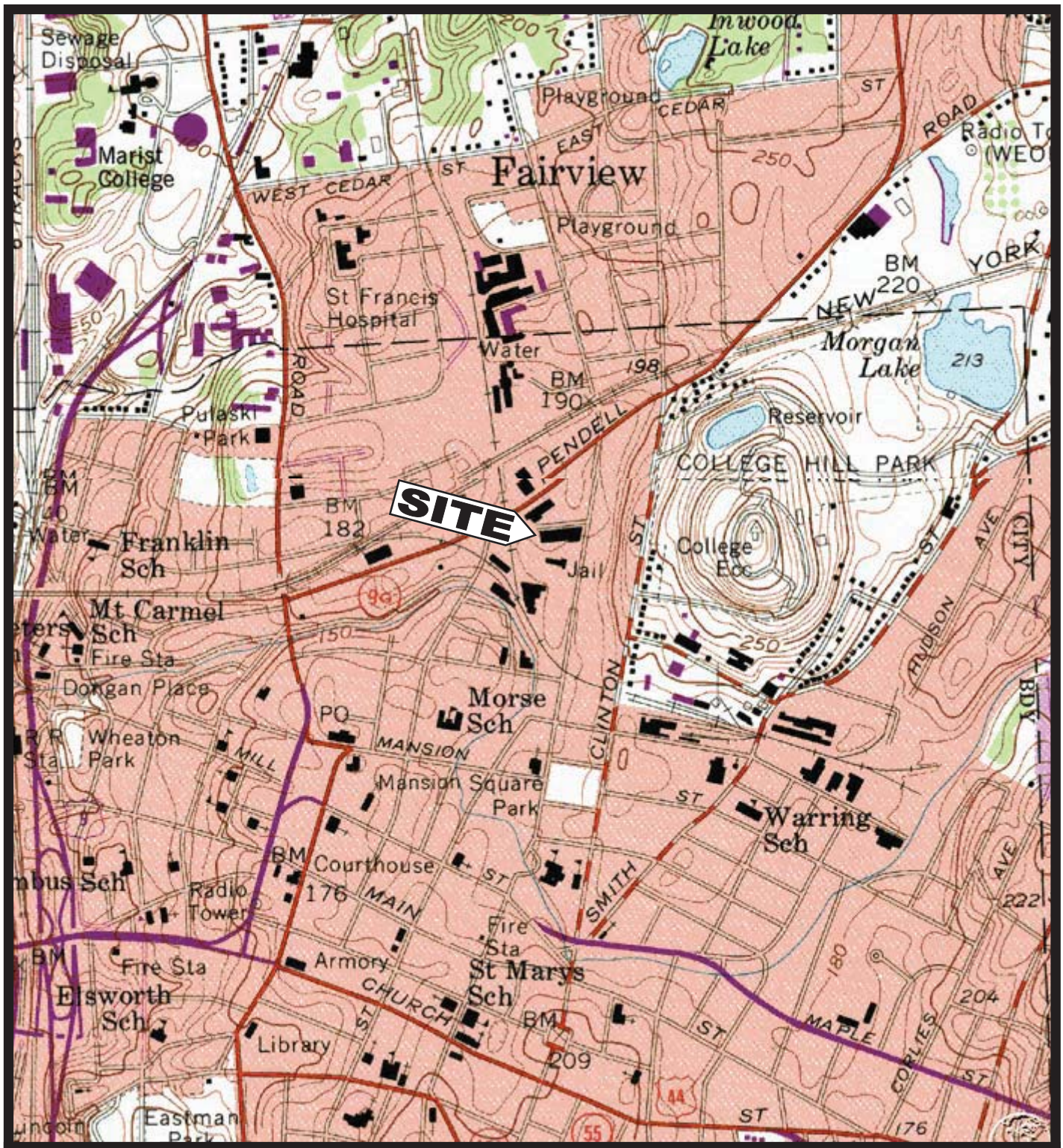
Sincerely,

Arlette St. Romain
Director, Environmental Services

Attachments: Figure 1 – Site Location Map
Figure 2 – Site Plan and Monitoring Well Map
Table 1 – Groundwater Field Parameters
Tables 2 through 5 – Laboratory Results Summary
Appendix A – Field Data Sheets
Appendix B –Laboratory Analytical Report
Appendix C- Annual Site-Wide Inspection Report
Appendix D –Notification of Site Change of Use
Appendix E – Notification of Transfer of Certificate of Completion

cc: Chris Lapine, Chazen, Director of Engineering Services
Noel Knille, Commissioner, Dutchess County Department of Public Works

Figures 1 and 2



Source

USGS Quadrangle; Poughkeepsie

Scale in Feet

0 1000 2000 3000

North

August, 1998

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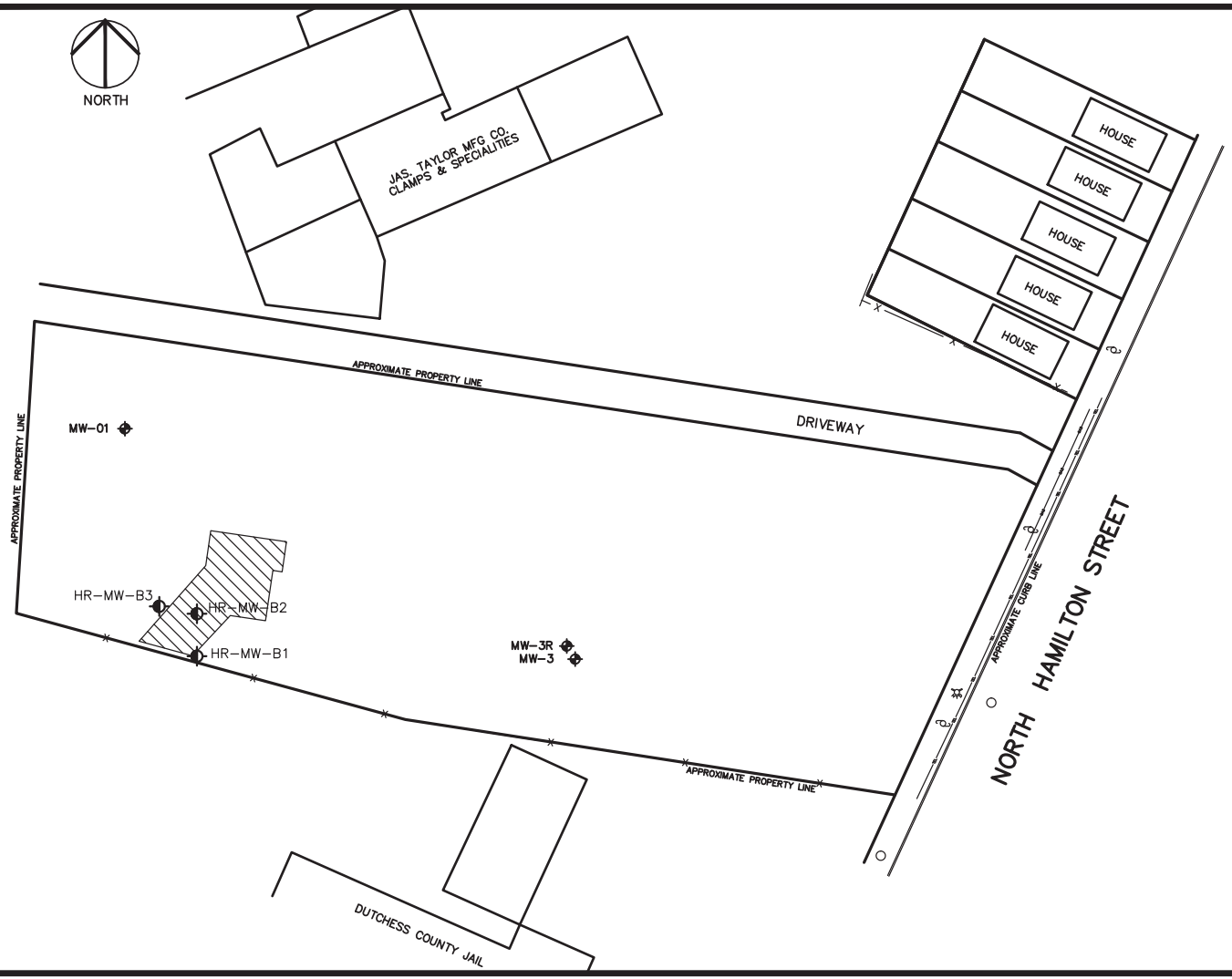
Figure 1

Site Location Map

Former Hamilton Reproduction
166-186 North Hamilton Street
Poughkeepsie, New York



LEGEND

MW-01 — MONITORING WELL NOT SAMPLED

HR-MW-B1 — MONITORING WELL SAMPLED DURING 2009 AND 2010 EVENTS

PREVIOUS SOIL EXCAVATION AREA

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100 Glen Street
Glens Falls, New York 12801
Phone: (518) 812-0513

FORMER HAMILTON REPRODUCTION SITE
2010 GROUNDWATER MONITORING

FIGURE 2
Site Plan and Monitoring Well Map

POUGHKEEPSIE, DUTCHESS COUNTY, NEW YORK

drawn	checked
CSD	ASM
date 11/2/10	scale 1"=60'
project no. 90926.00	
sheet no.	

Drawing Name: S:\9\90900-90999\90926.00 Hamilton Reproductions Brownfield\ENG\DWG\FIGURE2.dwg Date Printed: Nov 17, 2010, 9:54am

Tables 1 through 4

Table 1
Groundwater Field Parameters
Former Hamilton Reproduction Site

Parameter	Units	HR-MW-B1			HR-MW-B2			HR-MW-B3		
		11/3/2009	10/5/2010	2/8/2016	11/3/2009	10/5/2010	2/8/2016	11/3/2009	10/5/2010	2/8/2016
pH	---	6.55	7.15	8.17	6.37	6.40	6.71	6.06	6.09	6.85
Spec. Conductance	mS/cm	0.275	0.336	0.264	0.905	0.826	0.735	1.002	0.898	1.001
Temperature	Deg. C	13.47	16.17	8.2	15.36	16.27	9.8	14.77	16.78	7.4
Dissolved Oxygen	mg/l	6.15	8.31	6.34	1.76	2.84	3.7	3.24	2.01	0.84
ORP	mV	169.7	28.6	22.6	-29.9	-24.3	181.2	156.3	40.2	11.9

Table 2
HR-MW-B1 Groundwater Results
Former Hamilton Reproduction Site
Volatile Organic Compounds (EPA Method 8260)

Sample ID		**HR-MW-B1**	**HR-MW-B1**	**HR-MW-B1**	
Sample Date		**11/3/2009**	**10/5/2010**	**2/9/2016**	
Depth to Groundwater from Top of PVC (2009 elevations not surveyed)		4.60'	3.80'	5.59'	
Constituent	**Groundwater Standard**				
1,1,1,2-Tetrachloroethane	5	5 U	5 U	0.20	U
1,1,1-Trichloroethane	5	**6**	4.4	**5.20**	
1,1,2,2-Tetrachloroethane	5	5 U	5 U	0.20	U
1,1,2-Trichloro-1,2,2-trifluoroethane	5	NA	5 U	0.20	U
1,1,2-Trichloroethane	1	5 U	5 U	0.20	U
1,1-Dichloroethane	5	5 U	5 U	0.25	J
1,1-Dichloroethylene	5	5 U	5 U	0.20	U
1,1-Dichloropropylene	5	5 U	5 U	0.20	U
1,2,3-Trichlorobenzene	5	5 U	5 U	0.20	U
1,2,3-Trichloropropane	0.04	5 U	5 U	0.20	U
1,2,4,5-Tetramethylbenzene	5	NA	NA	0.20	U
1,2,4-Trichlorobenzene	5	5 U	5 U	0.20	U
1,2,4-Trimethylbenzene	5	5 U	5 U	0.20	U
1,2-Dibromo-3-chloropropane	0.04	5 U	5 U	0.20	U
1,2-Dibromoethane	0.0006	5 U	5 U	0.20	U
1,2-Dichlorobenzene	3	5 U	5 U	0.20	U
1,2-Dichloroethane	0.6	5 U	5 U	0.20	U
1,2-Dichloropropane	1	5 U	5 U	0.20	U
1,3,5-Trimethylbenzene	5	5 U	5 U	0.20	U
1,3-Dichlorobenzene	3	5 U	5 U	0.20	U
1,3-Dichloropropane	5	5 U	5 U	0.20	U
1,4-Dichlorobenzene	3	5 U	5 U	0.20	U
2,2-Dichloropropane	5	5 U	5 U	0.20	U
2-Butanone	50	NA	NA	0.20	U
2-Chlorotoluene	5	5 U	5 U	0.20	U
2-Hexanone	50	NA	NA	0.20	U
4-Chlorotoluene	5	5 U	5 U	0.20	U
4-Methyl-2-pentanone	NS	NA	NA	0.20	U
Acetone	50	NA	NA	1	U
Benzene	1	5 U	5 U	0.20	U
Bromobenzene	5	5 U	5 U	0.20	U
Bromochloromethane	5	5 U	5 U	0.20	U
Bromodichloromethane	50	5 U	5 U	0.20	U
Bromoform	50	5 U	5 U	0.20	U
Bromomethane	5	5 U	5 U	0.20	U
Carbon disulfide	NS	NA	NA	0.20	U
Carbon tetrachloride	5	5 U	5 U	0.20	U
Chlorobenzene	5	5 U	5 U	0.20	U
Chloroethane	5	5 U	5 U	0.20	U
Chloroform	7	5 U	5 U	0.55	
Chloromethane	5	5 U	5 U	0.20	U
cis-1,2-Dichloroethylene	5	5 U	5 U	0.29	J
cis-1,3-Dichloropropylene	0.4 sum with trans-	5 U	5 U	0.20	U
Dibromochloromethane	50	5 U	5 U	0.20	U
Dibromomethane	5	5 U	5 U	0.20	U
Dichlorodifluoromethane	5	5 U	5 U	0.20	U
Ethyl Benzene	5	5 U	5 U	0.20	U
Hexachlorobutadiene	0.5	5 U	5 U	0.20	U
Isopropylbenzene	5	5 U	5 U	0.20	U
Methyl tert-butyl ether (MTBE)	10	5 U	5 U	0.20	U
Methylene chloride	5	5 U	3.7 JB	1	U
Naphthalene	10	5 U	5 U	1	U
n-Butylbenzene	5	5 U	5 U	0.20	U
n-Propylbenzene	5	5 U	5 U	0.20	U
o-Xylene	5	5 U	5 U	0.20	U
p- & m- Xylenes	5	5 U	10 U	0.50	U
p-Diethylbenzene	NS	NA	NA	0.20	U
p-Ethyltoluene	NS	NA	NA	0.20	U
p-Isopropyltoluene	5	5 U	5 U	0.20	U
sec-Butylbenzene	5	5 U	5 U	0.20	U
Styrene	5	5 U	5 U	0.20	U
tert-Butylbenzene	5	5 U	5 U	0.20	U
Tetrachloroethylene	5	**9**	**22**	**20**	
Toluene	5	5 U	5 U	0.20	U
trans-1,2-Dichloroethylene	5	5 U	5 U	0.20	U
trans-1,3-Dichloropropylene	0.4 sum with cis-	5 U	5 U	0.20	U
Trichloroethylene	5	**6**	**11**	**7**	
Trichlorofluoromethane (Freon)	5	5 U	5 U	0.20	U
Vinyl Chloride	2	5 U	5 U	0.20	U

NOTES:
All data are reported in micrograms per liter (ug/L) = parts per billion (ppb)
Groundwater standards are from TOGS 1.1.1
U = Analyte not detected at the stated Reporting Limit (RL) or above.
J = Detected below the Reporting Limit but greater than or equal to the Method Detection Limit
B = Analyte is found in the associated analysis batch blank.
NA = sample not analyzed for listed contituent
NS = No ambient groundwater standard for the listed constituent
Shaded = Detected concentration is greater than the groundwater standard.

Table 3
HR-MW-B2 Groundwater Results
Former Hamilton Reproduction Site
Volatile Organic Compounds (EPA Method 8260)

Sample ID		**HR-MW-B2**	**HR-MW-B2**	**HR-MW-B2**	
Sample Date		11/3/2009	10/5/2010	**2/8/2016**	
Depth to Groundwater from Top of PVC					
Constituent	**Groundwater Standard**	5.60'	4.58'	6.75'	
1,1,1,2-Tetrachloroethane	5	5 U	5 U	0.20	U
1,1,1-Trichloroethane	5	5 U	2.3 J	3.80	
1,1,2,2-Tetrachloroethane	5	5 U	5 U	0.20	U
1,1,2-Trichloro-1,2,2-trifluoroethane	5	NA	5 U	0.20	U
1,1,2-Trichloroethane	1	5 U	5 U	0.20	U
1,1-Dichloroethane	5	**11**	3.8 J	3.30	
1,1-Dichloroethylene	5	5 U	5 U	0.20	U
1,1-Dichloropropylene	5	5 U	5 U	0.20	U
1,2,3-Trichlorobenzene	5	5 U	5 U	0.20	U
1,2,3-Trichloropropane	0.04	5 U	5 U	0.20	U
1,2,4,5-Tetramethylbenzene	5	NA	NA	1	
1,2,4-Trichlorobenzene	5	5 U	5 U	0.20	U
1,2,4-Trimethylbenzene	5	5 U	5 U	0.20	U
1,2-Dibromo-3-chloropropane	0.04	5 U	5 U	0.20	U
1,2-Dibromoethane	0.0006	5 U	5 U	0.20	U
1,2-Dichlorobenzene	3	5 U	5 U	0.20	U
1,2-Dichloroethane	0.6	5 U	5 U	0.20	U
1,2-Dichloropropane	1	5 U	5 U	0.20	U
1,3,5-Trimethylbenzene	5	5 U	5 U	0.20	U
1,3-Dichlorobenzene	3	5 U	5 U	0.20	U
1,3-Dichloropropane	5	5 U	5 U	0.20	U
1,4-Dichlorobenzene	3	5 U	5 U	0.20	U
2,2-Dichloropropane	5	5 U	5 U	0.20	U
2-Butanone	50	NA	NA	0.20	U
2-Chlorotoluene	5	5 U	5 U	0.20	U
2-Hexanone	50	NA	NA	0.20	U
4-Chlorotoluene	5	5 U	5 U	0.20	U
4-Methyl-2-pentanone	NS	NA	NA	0.20	U
Acetone	50	NA	NA	1	U
Benzene	1	**24**	**6.6**	**3.10**	
Bromobenzene	5	5 U	5 U	0.20	U
Bromochloromethane	5	5 U	5 U	0.20	U
Bromodichloromethane	50	5 U	5 U	0.20	U
Bromoform	50	5 U	5 U	0.20	U
Bromomethane	5	5 U	5 U	0.20	U
Carbon disulfide	NS	NA	NA	0.20	U
Carbon tetrachloride	5	5 U	5 U	0.20	U
Chlorobenzene	5	5 U	5 U	0.20	U
Chloroethane	5	5 U	5 U	0.20	U
Chloroform	7	5 U	1.2 J	0.80	
Chloromethane	5	5 U	5 U	0.20	U
cis-1,2-Dichloroethylene	5	**6**	**5.6**	4.70	
cis-1,3-Dichloropropylene	0.4 sum with trans-	5 U	5 U	0.20	U
Dibromochloromethane	50	5 U	5 U	0.20	U
Dibromomethane	5	5 U	5 U	0.20	U
Dichlorodifluoromethane	5	5 U	5 U	0.20	U
Ethyl Benzene	5	5 U	5 U	0.20	U
Hexachlorobutadiene	0.5	5 U	5 U	0.20	U
Isopropylbenzene	5	5 U	0.95 J	0.20	U
Methyl tert-butyl ether (MTBE)	10	5 U	5 U	0.20	U
Methylene chloride	5	5 U	3.8 JB	1	U
Naphthalene	10	5 U	5 U	1	U
n-Butylbenzene	5	5 U	5 U	0.20	U
n-Propylbenzene	5	5 U	0.89 J	0.20	U
o-Xylene	5	5 U	5 U	0.20	U
p- & m- Xylenes	5	5 U	10 U	0.50	U
p-Diethylbenzene	NS	NA	NA	0.25	J
p-Ethyltoluene	NS	NA	NA	0.20	U
p-Isopropyltoluene	5	5 U	5 U	0.20	U
sec-Butylbenzene	5	5 U	0.99 J	0.20	U
Styrene	5	5 U	5 U	0.20	U
tert-Butylbenzene	5	5 U	5 U	0.20	U
Tetrachloroethylene	5	5 U	4.0 J	**8.10**	
Toluene	5	5	5 U	0.20	U
trans-1,2-Dichloroethylene	5	5 U	5 U	0.52	
trans-1,3-Dichloropropylene	0.4 sum with cis-	5 U	5 U	0.20	U
Trichloroethylene	5	**24**	**37**	**49**	**E**
Trichlorofluoromethane (Freon)	5	5 U	5 U	0.20	U
Vinyl Chloride	2	5 U	1.0 J	0.68	

NOTES:
All data are reported in micrograms per liter (ug/L) = parts per billion (ppb)
Groundwater standards are from TOGS 1.1.1
U = Analyte not detected at the stated Reporting Limit (RL) or above.
J = Detected below the Reporting Limit but greater than or equal to the Method Detection Limit
B = Analyte is found in the associated analysis batch blank.
E=result is estimated and cannot be accurately reported due to levels encountered or interferences
NA = sample not analyzed for listed contituent
NS = No ambient groundwater standard for the listed constituent
Shaded = Detected concentration is greater than the groundwater standard.

Table 4
HR-MW-B3 Groundwater Results
Former Hamilton Reproduction Site
Volatile Organic Compounds (EPA Method 8260)

Sample ID		**HR-MW-B3**	**HR-MW-B3**	**HR-MW-B3**	
Sample Date		11/3/2009	10/5/2010	2/8/2016	
Depth to Groundwater from Top of PVC					
Constituent	**Groundwater Standard**	4.55'	3.71'	5.68'	
1,1,1,2-Tetrachloroethane	5	5 U	5 U	0.20	U
1,1,1-Trichloroethane	5	5 U	1.6 J	1.40	
1,1,2,2-Tetrachloroethane	5	5 U	5 U	0.20	U
1,1,2-Trichloro-1,2,2-trifluoroethane	5	NA	5 U	0.21	J
1,1,2-Trichloroethane	1	5 U	5 U	0.20	U
1,1-Dichloroethane	5	**12**	**6.8**	**8.30**	
1,1-Dichloroethylene	5	5 U	5 U	0.20	U
1,1-Dichloropropylene	5	5 U	5 U	0.20	U
1,2,3-Trichlorobenzene	5	5 U	5 U	0.20	U
1,2,3-Trichloropropane	0.04	5 U	5 U	0.20	U
1,2,4,5-Tetramethylbenzene	5	NA	NA	0.20	U
1,2,4-Trichlorobenzene	5	5 U	5 U	0.20	U
1,2,4-Trimethylbenzene	5	5 U	5 U	0.20	U
1,2-Dibromo-3-chloropropane	0.04	5 U	5 U	0.20	U
1,2-Dibromoethane	0.0006	5 U	5 U	0.20	U
1,2-Dichlorobenzene	3	5 U	5 U	0.20	U
1,2-Dichloroethane	0.6	5 U	5 U	0.20	U
1,2-Dichloropropane	1	5 U	5 U	0.20	U
1,3,5-Trimethylbenzene	5	5 U	5 U	0.20	U
1,3-Dichlorobenzene	3	5 U	5 U	0.20	U
1,3-Dichloropropane	5	5 U	5 U	0.20	U
1,4-Dichlorobenzene	3	5 U	5 U	0.20	U
2,2-Dichloropropane	5	5 U	5 U	0.20	U
2-Butanone	50	NA	NA	0.20	U
2-Chlorotoluene	5	5 U	5 U	0.20	U
2-Hexanone	50	NA	NA	0.20	U
4-Chlorotoluene	5	5 U	5 U	0.20	U
4-Methyl-2-pentanone	NS	NA	NA	0.20	U
Acetone	50	NA	NA	1.20	J
Benzene	1	5 U	5 U	0.25	J
Bromobenzene	5	5 U	5 U	0.20	U
Bromochloromethane	5	5 U	5 U	0.20	U
Bromodichloromethane	50	5 U	5 U	0.20	U
Bromoform	50	5 U	5 U	0.20	U
Bromomethane	5	5 U	5 U	0.20	U
Carbon disulfide	NS	NA	NA	0.20	U
Carbon tetrachloride	5	5 U	5 U	0.20	U
Chlorobenzene	5	5 U	5 U	0.20	U
Chloroethane	5	5 U	5 U	0.20	U
Chloroform	7	5 U	5 U	0.20	U
Chloromethane	5	5 U	5 U	0.20	U
cis-1,2-Dichloroethylene	5	**13**	**10**	**7.10**	
cis-1,3-Dichloropropylene	0.4 sum with trans-	5 U	5 U	0.20	U
Dibromochloromethane	50	5 U	5 U	0.20	U
Dibromomethane	5	5 U	5 U	0.20	U
Dichlorodifluoromethane	5	5 U	5 U	0.20	U
Ethyl Benzene	5	5 U	5 U	0.20	U
Hexachlorobutadiene	0.5	5 U	5 U	0.20	U
Isopropylbenzene	5	5 U	5 U	0.20	U
Methyl tert-butyl ether (MTBE)	10	5 U	5 U	0.20	U
Methylene chloride	5	5 U	3.9 JB	1	U
Naphthalene	10	5 U	5 U	1	U
n-Butylbenzene	5	5 U	5 U	0.20	U
n-Propylbenzene	5	5 U	5 U	0.20	U
o-Xylene	5	5 U	5 U	0.20	U
p- & m- Xylenes	5	5 U	10 U	0.50	U
p-Diethylbenzene	NS	NA	NA	0.20	U
p-Ethyltoluene	NS	NA	NA	0.20	U
p-Isopropyltoluene	5	5 U	5 U	0.20	U
sec-Butylbenzene	5	5 U	5 U	0.20	U
Styrene	5	5 U	5 U	0.20	U
tert-Butylbenzene	5	5 U	5 U	0.20	U
Tetrachloroethylene	5	**7**	3.6 J	4.60	
Toluene	5	5 U	5 U	0.20	U
trans-1,2-Dichloroethylene	5	5 U	5 U	0.68	
trans-1,3-Dichloropropylene	0.4 sum with cis-	5 U	5 U	0.20	U
Trichloroethylene	5	**15**	**14**	**11**	
Trichlorofluoromethane (Freon)	5	5 U	5 U	0.20	U
Vinyl Chloride	2	5 U	1.4 J	**2.20**	

NOTES:
All data are reported in micrograms per liter (ug/L) = parts per billion (ppb)
Groundwater standards are from TOGS 1.1.1
U = Analyte not detected at the stated Reporting Limit (RL) or above.

B = Analyte is found in the associated analysis batch blank.
NA = sample not analyzed for listed contituent
NS = No ambient groundwater standard for the listed constituent
Shaded = Detected concentration is greater than the groundwater standard.

Appendix A

Field Data Sheets

FIELD DATA SHEET

SAMPLE INFORMATION:

Sample ID: HR-MW-B1
Well ID: MW-B1
Project Name: Hamilton Remediation
Sample Location: Poughkeepsie, NY

Sample Time: ~~1230~~ 855
Sample Date: ~~[illegible]~~ 2/9/2016
Sample Tech(s): Orlowski
Project and Task #: 90926.00
Project Manager: St. Romain

Sample Matrix *(circle)*: **Groundwater** | Surface Water | Drinking Water | Soil | Air | Other:

WELL INFORMATION:

Well Condition: Good - flush mount

Lock Type: None

Key #: NA

PURGE DATA:

Measuring Point: TOPVC
Depth to Bottom: 7.70
Depth to Water: 5.59
Water Column Height: *(A)* 1.11
(depth to bottom - depth to water)

# of Volumes to be Purged: *(C)*

Gal. to be Purged: *(AxBxC)*

Pipe Width	*(B)* Gal/Foot
1.0"	0.037
1.5"	0.092
2.0"	0.163
2.5"	0.255
3.0"	0.367
4.0"	0.653
6.0"	1.469
8.0"	2.611

Purge Method: Peristaltic - low Flow
Start Date: 2/8/2016
Start Time: 1016
Stop Time: 1019
Purge Rate (gpm): 0.033
Elapsed Time (min): 3
Well Vol. Purged (#): 2+
Purge Vol. (gal): ~0.1
Well went dry? No Yes
Conditions: No Odor / Odor; Clear / Slightly-Turbid / Turbid

FIELD RESULTS:

Gal purged (gal)	Date & Time	Depth to Water (ft)	Temp (deg C)	SpCond (µS/cm°)	Cond. (µS/cm)	turbidity	TDS (g/L)	odor	DO (mg/L)	pH	ORP (mV)
	1016	5.59	8.2	264	220	slight	0.1715	none	6.34	8.17	22.6
SAMPLE	~~1250~~ 855	7.01	Insufficient water for field parameters - only able to fill 2 VOAs								

SAMPLE INFORMATION:

Sample Method: Peristaltic *(Peristaltic, Submersible, Dedicated or Disp. Bailer, Waterra, Dir. Instrument Reading, etc.)*
Sample Type: **Grab** | Composite
Weather: overcast
Sample Depth:
Barometric Pres.:
Air Temp.(°F): low 30s
Wind: lt breeze

Notes:

LAB REQUESTS:

Laboratory Name: York
Analysis/Method: 8260 VOCs
Turn Around Time: Std

QA/QC: Duplicate | Equip. Blank | Field Blank | Trip Blank

FIELD DATA SHEET

SAMPLE INFORMATION:

Sample ID: HR-MW-B2
Well ID: MW-B2
Project Name: Hamilton Reproduction
Sample Location: Poughkeepsie, NY

Sample Time: 1123
Sample Date: 2/8/2016
Sample Tech(s): Orlowski
Project and Task #: 90926.00
Project Manager: St. Pierrin

Sample Matrix *(circle)*: **Groundwater** Surface Water Drinking Water Soil Air Other:

WELL INFORMATION:

Well Condition: Good - flush mount

Lock Type: None Key #: NA

PURGE DATA:

Measuring Point: TOPVC
Depth to Bottom: 14.17
Depth to Water: 6.75
Water Column Height: *(A)* 7.42
(depth to bottom - depth to water)

# of Volumes to be Purged: *(C)*

Gal. to be Purged: *(AxBxC)*

Pipe Width	*(B)* Gal/Foot
1.0"	0.037
1.5"	0.092
2.0"	0.163
2.5"	0.255
3.0"	0.367
4.0"	0.653
6.0"	1.469
8.0"	2.611

Purge Method: Peristaltic - Low Flow
Start Date: 2/8/2016
Start Time: 1057
Stop Time: 1122
Purge Rate (gpm): 0.044
Elapsed Time (min): 25
Well Vol. Purged (#): 4.0
Purge Vol. (gal): 1.1
Well went dry? No Yes
Conditions: No Odor Odor; Clear Slightly-Turbid Turbid

FIELD RESULTS:

Gal purged (gal)	Date & Time	Depth to Water (ft)	Temp (deg C)	SpCond (µS/cm°)	Cond. (µS/cm)	turbidity	TDS (g/L)	odor	DO (mg/L)	pH	ORP (mV)	
	1057	6.75	9.6	738	521	slight	0.4810	none	7.20	6.70	181.5	
	1102	7.15	9.6	737	520	slight	0.4810	none	6.58	6.63	179.0	
	1107	7.17	9.6	736	519	slight	0.4810	none	5.13	6.64	179.4	
	1112	7.17	9.4	733	516	slight	0.4745	none	4.74	6.70	180.7	
	1117	7.17	9.7	736	520	slight	0.4810	none	3.84	6.71	181.1	
	1122	7.17	9.8	735	522	slight	0.4810	none	3.70	6.71	181.2	

SAMPLE INFORMATION:

Sample Method: Peristaltic *(Peristaltic, Submersible, Dedicated or Disp. Bailer, Waterra, Dir. Instrument Reading, etc.)*
Sample Type: **Grab** Composite
Weather: Overcast
Sample Depth:
Barometric Pres.:
Air Temp.(°F): low 30s
Wind: lt breeze

Notes:

LAB REQUESTS:

Laboratory Name: York
Analysis/Method: 8260 VOCs
Turn Around Time: Std.

QA/QC: Duplicate Equip. Blank Field Blank Trip Blank

FIELD DATA SHEET

SAMPLE INFORMATION:

Sample ID: HR-MW-B3
Well ID: MW-B3
Project Name: Hamilton Reproduction
Sample Location: Poughkeepsie, NY

Sample Time: 1218
Sample Date: 2/8/2016
Sample Tech(s): Orlowski
Project and Task #: 90926.00
Project Manager: St. Romain

Sample Matrix *(circle)*: **Groundwater** Soil Surface Water Air Drinking Water Other:

WELL INFORMATION:

Well Condition: Good - flush mount
Lock Type: None
Key #: NA

PURGE DATA:

Measuring Point: TOPVC
Depth to Bottom: 9.80
Depth to Water: 5.68
Water Column Height: *(A)* 4.22
(depth to bottom - depth to water)
# of Volumes to be Purged: *(C)*
Gal. to be Purged: *(AxBxC)*

Pipe Width	*(B)* Gal/Foot
1.0"	0.037
1.5"	0.092
2.0"	0.163
2.5"	0.255
3.0"	0.367
4.0"	0.653
6.0"	1.469
8.0"	2.611

Purge Method: Peristaltic - Low Flow
Start Date: 2/8/2016
Start Time: 1147
Stop Time: 1217
Purge Rate (gpm): 0.038
Elapsed Time (min): 30
Well Vol. Purged (#): 7.37
Purge Vol. (gal): 1.15
Well went dry? No Yes
Conditions: No Odor Odor; Clear Slightly-Turbid Turbid

FIELD RESULTS:

Gal purged (gal)	Date & Time	Depth to Water (ft)	Temp (deg C)	SpCond (µS/cm²)	Cond. (µS/cm)	turbidity	TDS (g/L)	odor	DO (mg/L)	pH	ORP (mV)
	1147	5.68	7.8	1072	789	slight	0.6890	none	1.50	6.93	-1.5
	1152	7.21	7.8	979	656	slight	0.6370	none	1.31	6.86	20.0
	1157	7.32	7.6	987	658	clear	0.6435	none	0.94	6.84	20.6
	1202	7.37	7.4	1009	665	clear	0.6565	none	0.87	6.84	15.8
	1207	7.38	7.3	1008	667	clear	0.6565	none	0.90	6.85	13.8
	1212	7.57	7.3	1005	667	clear	0.6540	none	0.86	6.85	12.6
	1217	7.69	7.4	1001	665	clear	0.6500	none	0.84	6.85	11.9

SAMPLE INFORMATION:

Sample Method: Peristaltic *(Peristaltic, Submersible, Dedicated or Disp. Bailer, Waterra, Dir. Instrument Reading, etc.)*
Sample Type: **Grab** Composite
Weather: Overcast
Sample Depth:
Barometric Pres.:
Air Temp.(°F): low 30s
Wind: lt breeze
Notes:

LAB REQUESTS:

Laboratory Name: York
Analysis/Method: 8260 VOCs
Turn Around Time: Std

QA/QC: Duplicate Equip. Blank Field Blank Trip Blank

Appendix B

Laboratory Analytical Report

Technical Report

prepared for:

Chazen Environmental Services (Poughkeepsie)
21 Fox Street
Poughkeepsie NY, 12601
Attention: Eric Orlowski

Report Date: 02/10/2016
Client Project ID: 81429.00 Dutchess Justice Center
York Project (SDG) No.: 16B0283

CT Cert. No. PH-0723 New Jersey Cert. No. CT-005 New York Cert. No. 10854 PA Cert. No. 68-04440

120 RESEARCH DRIVE STRATFORD, CT 06615 (203) 325-1371 FAX (203) 357-0166

Report Date: 02/10/2016
Client Project ID: 81429.00 Dutchess Justice Center
York Project (SDG) No.: 16B0283

Chazen Environmental Services (Poughkeepsie)
21 Fox Street
Poughkeepsie NY, 12601
Attention: Eric Orlowski

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on February 09, 2016 and listed below. The project was identified as your project: **81429.00 Dutchess Justice Center**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Notes section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the attachment to this report, and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
16B0283-01	HR-MW-B1	Water	02/09/2016	02/09/2016
16B0283-02	HR-MW-B2	Water	02/08/2016	02/09/2016
16B0283-03	HR-MW-B3	Water	02/08/2016	02/09/2016

General Notes for York Project (SDG) No.: 16B0283

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All samples were received in proper condition for analysis with proper documentation, unless otherwise noted.
6. All analyses conducted met method or Laboratory SOP requirements. See the Qualifiers and/or Narrative sections for further information.
7. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
8. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.

Approved By:

Date: 02/10/2016

Benjamin Gulizia
Laboratory Director

Sample Information

Client Sample ID: **HR-MW-B1** **York Sample ID:** **16B0283-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16B0283	81429.00 Dutchess Justice Center	Water	February 9, 2016 8:55 am	02/09/2016

Volatile Organics, 8260 List - Low Level

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 11:38	SS
71-55-6	**1,1,1-Trichloroethane**	**5.2**		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 11:38	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 11:38	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 11:38	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 11:38	SS
75-34-3	**1,1-Dichloroethane**	**0.25**	J	ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 11:38	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 11:38	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 11:38	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 11:38	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 11:38	SS
527-53-7	1,2,4,5-Tetramethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854	02/10/2016 10:01	02/10/2016 11:38	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 11:38	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 11:38	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 11:38	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 11:38	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 11:38	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 11:38	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 11:38	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 11:38	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 11:38	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 11:38	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 11:38	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 11:38	SS

Sample Information

Client Sample ID: **HR-MW-B1** **York Sample ID:** **16B0283-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16B0283	81429.00 Dutchess Justice Center	Water	February 9, 2016 8:55 am	02/09/2016

Volatile Organics, 8260 List - Low Level **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 11:38	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 11:38	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 11:38	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 11:38	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 11:38	SS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 11:38	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 11:38	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 11:38	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 11:38	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 11:38	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 11:38	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 11:38	SS
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 11:38	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 11:38	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 11:38	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 11:38	SS
67-66-3	**Chloroform**	**0.55**		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 11:38	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 11:38	SS
156-59-2	**cis-1,2-Dichloroethylene**	**0.29**	J	ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 11:38	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 11:38	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 11:38	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 11:38	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 11:38	SS

Sample Information

Client Sample ID: **HR-MW-B1** **York Sample ID:** **16B0283-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16B0283	81429.00 Dutchess Justice Center	Water	February 9, 2016 8:55 am	02/09/2016

Volatile Organics, 8260 List - Low Level

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 11:38	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 11:38	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 11:38	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 11:38	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 11:38	SS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 11:38	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 11:38	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 11:38	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854	02/10/2016 10:01	02/10/2016 11:38	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: NELAC-NY10854	02/10/2016 10:01	02/10/2016 11:38	SS
105-05-5	p-Diethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854	02/10/2016 10:01	02/10/2016 11:38	SS
622-96-8	p-Ethyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854	02/10/2016 10:01	02/10/2016 11:38	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 11:38	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 11:38	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 11:38	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 11:38	SS
127-18-4	**Tetrachloroethylene**	**20**		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 11:38	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 11:38	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 11:38	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 11:38	SS
79-01-6	**Trichloroethylene**	**7.0**		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 11:38	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 11:38	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 11:38	SS

Sample Information

Client Sample ID: **HR-MW-B1** **York Sample ID:** **16B0283-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16B0283	81429.00 Dutchess Justice Center	Water	February 9, 2016 8:55 am	02/09/2016

Volatile Organics, 8260 List - Low Level **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NJDEP	02/10/2016 10:01	02/10/2016 11:38	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*102 %*	*69-130*
2037-26-5	*Surrogate: Toluene-d8*	*95.8 %*	*81-117*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*104 %*	*79-122*

Sample Information

Client Sample ID: **HR-MW-B2** **York Sample ID:** **16B0283-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16B0283	81429.00 Dutchess Justice Center	Water	February 8, 2016 11:23 am	02/09/2016

Volatile Organics, 8260 List - Low Level **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 12:07	SS
71-55-6	**1,1,1-Trichloroethane**	**3.8**		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 12:07	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 12:07	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 12:07	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 12:07	SS
75-34-3	**1,1-Dichloroethane**	**3.3**		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 12:07	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 12:07	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 12:07	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 12:07	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 12:07	SS
527-53-7	**1,2,4,5-Tetramethylbenzene**	**1.0**		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854	02/10/2016 10:01	02/10/2016 12:07	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 12:07	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 12:07	SS

Sample Information

Client Sample ID: **HR-MW-B2** **York Sample ID:** **16B0283-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16B0283	81429.00 Dutchess Justice Center	Water	February 8, 2016 11:23 am	02/09/2016

Volatile Organics, 8260 List - Low Level

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 12:07	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 12:07	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 12:07	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 12:07	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 12:07	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 12:07	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 12:07	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 12:07	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 12:07	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 12:07	SS
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 12:07	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 12:07	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 12:07	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 12:07	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 12:07	SS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 12:07	SS
71-43-2	**Benzene**	**3.1**		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 12:07	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 12:07	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 12:07	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 12:07	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 12:07	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 12:07	SS
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 12:07	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 12:07	SS

Sample Information

Client Sample ID: **HR-MW-B2** **York Sample ID:** **16B0283-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16B0283	81429.00 Dutchess Justice Center	Water	February 8, 2016 11:23 am	02/09/2016

Volatile Organics, 8260 List - Low Level

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 12:07	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 12:07	SS
67-66-3	**Chloroform**	**0.80**		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 12:07	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 12:07	SS
156-59-2	**cis-1,2-Dichloroethylene**	**4.7**		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 12:07	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 12:07	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 12:07	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 12:07	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 12:07	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 12:07	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 12:07	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 12:07	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 12:07	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 12:07	SS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 12:07	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 12:07	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 12:07	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854	02/10/2016 10:01	02/10/2016 12:07	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: NELAC-NY10854	02/10/2016 10:01	02/10/2016 12:07	SS
105-05-5	**p-Diethylbenzene**	**0.25**	J	ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854	02/10/2016 10:01	02/10/2016 12:07	SS
622-96-8	p-Ethyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854	02/10/2016 10:01	02/10/2016 12:07	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 12:07	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 12:07	SS

Sample Information

Client Sample ID: **HR-MW-B2** **York Sample ID:** **16B0283-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16B0283	81429.00 Dutchess Justice Center	Water	February 8, 2016 11:23 am	02/09/2016

Volatile Organics, 8260 List - Low Level **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 12:07	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 12:07	SS
127-18-4	**Tetrachloroethylene**	**8.1**		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 12:07	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 12:07	SS
156-60-5	**trans-1,2-Dichloroethylene**	**0.52**		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 12:07	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 12:07	SS
79-01-6	**Trichloroethylene**	**49**		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 12:07	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 12:07	SS
75-01-4	**Vinyl Chloride**	**0.68**		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 12:07	SS
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NJDEP	02/10/2016 10:01	02/10/2016 12:07	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*102 %*	*69-130*
2037-26-5	*Surrogate: Toluene-d8*	*97.3 %*	*81-117*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*92.3 %*	*79-122*

Sample Information

Client Sample ID: **HR-MW-B3** **York Sample ID:** **16B0283-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16B0283	81429.00 Dutchess Justice Center	Water	February 8, 2016 12:18 pm	02/09/2016

Volatile Organics, 8260 List - Low Level **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 12:37	SS
71-55-6	**1,1,1-Trichloroethane**	**1.4**		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 12:37	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 12:37	SS
76-13-1	**1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)**	**0.21**	J	ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 12:37	SS

Sample Information

Client Sample ID: **HR-MW-B3** **York Sample ID:** **16B0283-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16B0283	81429.00 Dutchess Justice Center	Water	February 8, 2016 12:18 pm	02/09/2016

Volatile Organics, 8260 List - Low Level

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 12:37	SS
75-34-3	**1,1-Dichloroethane**	**8.3**		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 12:37	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 12:37	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 12:37	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 12:37	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 12:37	SS
527-53-7	1,2,4,5-Tetramethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854	02/10/2016 10:01	02/10/2016 12:37	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 12:37	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 12:37	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 12:37	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 12:37	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 12:37	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 12:37	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 12:37	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 12:37	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 12:37	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 12:37	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 12:37	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 12:37	SS
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 12:37	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 12:37	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 12:37	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 12:37	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 12:37	SS

Sample Information

Client Sample ID: **HR-MW-B3** **York Sample ID:** **16B0283-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16B0283	81429.00 Dutchess Justice Center	Water	February 8, 2016 12:18 pm	02/09/2016

Volatile Organics, 8260 List - Low Level

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-64-1	**Acetone**	**1.2**	SCAL-E, J	ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 12:37	SS
71-43-2	**Benzene**	**0.25**	J	ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 12:37	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 12:37	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 12:37	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 12:37	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 12:37	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 12:37	SS
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 12:37	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 12:37	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 12:37	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 12:37	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 12:37	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 12:37	SS
156-59-2	**cis-1,2-Dichloroethylene**	**7.1**		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 12:37	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 12:37	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 12:37	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 12:37	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 12:37	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 12:37	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 12:37	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 12:37	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 12:37	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 12:37	SS

Sample Information

Client Sample ID: **HR-MW-B3** **York Sample ID:** **16B0283-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16B0283	81429.00 Dutchess Justice Center	Water	February 8, 2016 12:18 pm	02/09/2016

Volatile Organics, 8260 List - Low Level

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 12:37	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 12:37	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 12:37	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854	02/10/2016 10:01	02/10/2016 12:37	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: NELAC-NY10854	02/10/2016 10:01	02/10/2016 12:37	SS
105-05-5	p-Diethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854	02/10/2016 10:01	02/10/2016 12:37	SS
622-96-8	p-Ethyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854	02/10/2016 10:01	02/10/2016 12:37	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 12:37	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 12:37	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 12:37	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 12:37	SS
127-18-4	**Tetrachloroethylene**	**4.6**		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 12:37	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 12:37	SS
156-60-5	**trans-1,2-Dichloroethylene**	**0.68**		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 12:37	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 12:37	SS
79-01-6	**Trichloroethylene**	**11**		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 12:37	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 12:37	SS
75-01-4	**Vinyl Chloride**	**2.2**		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	02/10/2016 10:01	02/10/2016 12:37	SS
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NJDEP	02/10/2016 10:01	02/10/2016 12:37	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*101 %*	*69-130*
2037-26-5	*Surrogate: Toluene-d8*	*97.0 %*	*81-117*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*97.4 %*	*79-122*

Analytical Batch Summary

Batch ID: BB60428 **Preparation Method:** EPA 5030B **Prepared By:** BK

YORK Sample ID	Client Sample ID	Preparation Date
16B0283-01	HR-MW-B1	02/10/16
16B0283-02	HR-MW-B2	02/10/16
16B0283-03	HR-MW-B3	02/10/16
BB60428-BLK1	Blank	02/10/16
BB60428-BS1	LCS	02/10/16
BB60428-BSD1	LCS Dup	02/10/16

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB60428 - EPA 5030B											
Blank (BB60428-BLK1)								Prepared & Analyzed: 02/10/2016			
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L								
1,1,1-Trichloroethane	ND	0.50	"								
1,1,2,2-Tetrachloroethane	ND	0.50	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"								
1,1,2-Trichloroethane	ND	0.50	"								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,1-Dichloropropylene	ND	0.50	"								
1,2,3-Trichlorobenzene	ND	0.50	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4,5-Tetramethylbenzene	ND	0.50	"								
1,2,4-Trichlorobenzene	ND	0.50	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,2-Dibromo-3-chloropropane	ND	0.50	"								
1,2-Dibromoethane	ND	0.50	"								
1,2-Dichlorobenzene	ND	0.50	"								
1,2-Dichloroethane	ND	0.50	"								
1,2-Dichloropropane	ND	0.50	"								
1,3,5-Trimethylbenzene	ND	0.50	"								
1,3-Dichlorobenzene	ND	0.50	"								
1,3-Dichloropropane	ND	0.50	"								
1,4-Dichlorobenzene	ND	0.50	"								
2,2-Dichloropropane	ND	0.50	"								
2-Butanone	ND	0.50	"								
2-Chlorotoluene	ND	0.50	"								
2-Hexanone	ND	2.0	"								
4-Chlorotoluene	ND	0.50	"								
4-Methyl-2-pentanone	ND	0.50	"								
Acetone	ND	2.0	"								
Benzene	ND	0.50	"								
Bromobenzene	ND	0.50	"								
Bromochloromethane	ND	0.50	"								
Bromodichloromethane	ND	0.50	"								
Bromoform	ND	0.50	"								
Bromomethane	ND	0.50	"								
Carbon disulfide	ND	0.50	"								
Carbon tetrachloride	ND	0.50	"								
Chlorobenzene	ND	0.50	"								
Chloroethane	ND	0.50	"								
Chloroform	ND	0.50	"								
Chloromethane	ND	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
cis-1,3-Dichloropropylene	ND	0.50	"								
Dibromochloromethane	ND	0.50	"								
Dibromomethane	ND	0.50	"								
Dichlorodifluoromethane	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Hexachlorobutadiene	ND	0.50	"								
Isopropylbenzene	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylene chloride	ND	2.0	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB60428 - EPA 5030B											
Blank (BB60428-BLK1)								Prepared & Analyzed: 02/10/2016			
Naphthalene	ND	2.0	ug/L								
n-Butylbenzene	ND	0.50	"								
n-Propylbenzene	ND	0.50	"								
o-Xylene	ND	0.50	"								
p- & m- Xylenes	ND	1.0	"								
p-Diethylbenzene	ND	0.50	"								
p-Ethyltoluene	ND	0.50	"								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
Surrogate: 1,2-Dichloroethane-d4	*10.2*		*"*	*10.0*		*102*	*69-130*				
Surrogate: Toluene-d8	*9.71*		*"*	*10.0*		*97.1*	*81-117*				
Surrogate: p-Bromofluorobenzene	*9.56*		*"*	*10.0*		*95.6*	*79-122*				
LCS (BB60428-BS1)								Prepared & Analyzed: 02/10/2016			
1,1,1,2-Tetrachloroethane	10.5		ug/L	10.0		105	82-126				
1,1,1-Trichloroethane	11.4		"	10.0		114	78-136				
1,1,2,2-Tetrachloroethane	9.95		"	10.0		99.5	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.7		"	10.0		107	54-165				
1,1,2-Trichloroethane	10.0		"	10.0		100	82-123				
1,1-Dichloroethane	11.4		"	10.0		114	82-129				
1,1-Dichloroethylene	11.4		"	10.0		114	68-138				
1,1-Dichloropropylene	10.8		"	10.0		108	83-133				
1,2,3-Trichlorobenzene	10.0		"	10.0		100	76-136				
1,2,3-Trichloropropane	10.3		"	10.0		103	77-128				
1,2,4,5-Tetramethylbenzene	10.8		"	10.0		108	85-140				
1,2,4-Trichlorobenzene	10.4		"	10.0		104	76-137				
1,2,4-Trimethylbenzene	11.0		"	10.0		110	82-132				
1,2-Dibromo-3-chloropropane	8.82		"	10.0		88.2	45-147				
1,2-Dibromoethane	9.98		"	10.0		99.8	83-124				
1,2-Dichlorobenzene	10.1		"	10.0		101	79-123				
1,2-Dichloroethane	10.6		"	10.0		106	73-132				
1,2-Dichloropropane	10.1		"	10.0		101	78-126				
1,3,5-Trimethylbenzene	10.9		"	10.0		109	80-131				
1,3-Dichlorobenzene	10.6		"	10.0		106	86-122				
1,3-Dichloropropane	10.1		"	10.0		101	81-125				
1,4-Dichlorobenzene	10.5		"	10.0		105	85-124				
2,2-Dichloropropane	12.0		"	10.0		120	56-150				
2-Butanone	7.62		"	10.0		76.2	49-152				
2-Chlorotoluene	10.7		"	10.0		107	79-130				
2-Hexanone	9.11		"	10.0		91.1	51-146				
4-Chlorotoluene	10.5		"	10.0		105	79-128				
4-Methyl-2-pentanone	5.53		"	10.0		55.3	57-145	Low Bias			

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB60428 - EPA 5030B											
LCS (BB60428-BS1)							Prepared & Analyzed: 02/10/2016				
Acetone	8.96		ug/L	10.0		89.6	14-150				
Benzene	11.4		"	10.0		114	85-126				
Bromobenzene	10.4		"	10.0		104	78-129				
Bromochloromethane	11.1		"	10.0		111	77-128				
Bromodichloromethane	10.0		"	10.0		100	79-128				
Bromoform	9.65		"	10.0		96.5	78-133				
Bromomethane	9.13		"	10.0		91.3	43-168				
Carbon disulfide	11.6		"	10.0		116	68-146				
Carbon tetrachloride	11.3		"	10.0		113	77-141				
Chlorobenzene	10.4		"	10.0		104	88-120				
Chloroethane	11.2		"	10.0		112	65-136				
Chloroform	11.2		"	10.0		112	82-128				
Chloromethane	8.59		"	10.0		85.9	43-155				
cis-1,2-Dichloroethylene	11.3		"	10.0		113	83-129				
cis-1,3-Dichloropropylene	10.2		"	10.0		102	80-131				
Dibromochloromethane	10.2		"	10.0		102	80-130				
Dibromomethane	10.2		"	10.0		102	72-134				
Dichlorodifluoromethane	7.69		"	10.0		76.9	44-144				
Ethyl Benzene	10.8		"	10.0		108	80-131				
Hexachlorobutadiene	10.4		"	10.0		104	67-146				
Isopropylbenzene	10.9		"	10.0		109	76-140				
Methyl tert-butyl ether (MTBE)	10.8		"	10.0		108	76-135				
Methylene chloride	10.5		"	10.0		105	55-137				
Naphthalene	10.0		"	10.0		100	70-147				
n-Butylbenzene	11.0		"	10.0		110	79-132				
n-Propylbenzene	11.0		"	10.0		110	78-133				
o-Xylene	10.5		"	10.0		105	78-130				
p- & m- Xylenes	21.9		"	20.0		110	77-133				
p-Diethylbenzene	11.0		"	10.0		110	84-134				
p-Ethyltoluene	10.8		"	10.0		108	88-129				
p-Isopropyltoluene	11.2		"	10.0		112	81-136				
sec-Butylbenzene	10.8		"	10.0		108	79-137				
Styrene	11.8		"	10.0		118	67-132				
tert-Butylbenzene	10.7		"	10.0		107	77-138				
Tetrachloroethylene	10.6		"	10.0		106	82-131				
Toluene	10.7		"	10.0		107	80-127				
trans-1,2-Dichloroethylene	11.0		"	10.0		110	80-132				
trans-1,3-Dichloropropylene	10.4		"	10.0		104	78-131				
Trichloroethylene	10.3		"	10.0		103	82-128				
Trichlorofluoromethane	11.0		"	10.0		110	67-139				
Vinyl Chloride	9.96		"	10.0		99.6	58-145				
Surrogate: 1,2-Dichloroethane-d4	*9.75*		*"*	*10.0*		*97.5*	*69-130*				
Surrogate: Toluene-d8	*9.61*		*"*	*10.0*		*96.1*	*81-117*				
Surrogate: p-Bromofluorobenzene	*10.1*		*"*	*10.0*		*101*	*79-122*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB60428 - EPA 5030B											
LCS Dup (BB60428-BSD1)							Prepared & Analyzed: 02/10/2016				
1,1,1,2-Tetrachloroethane	11.0		ug/L	10.0		110	82-126		4.65	30	
1,1,1-Trichloroethane	11.6		"	10.0		116	78-136		1.30	30	
1,1,2,2-Tetrachloroethane	10.8		"	10.0		108	76-129		8.47	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.9		"	10.0		109	54-165		1.58	30	
1,1,2-Trichloroethane	10.6		"	10.0		106	82-123		5.61	30	
1,1-Dichloroethane	11.4		"	10.0		114	82-129		0.175	30	
1,1-Dichloroethylene	11.6		"	10.0		116	68-138		1.48	30	
1,1-Dichloropropylene	10.9		"	10.0		109	83-133		0.461	30	
1,2,3-Trichlorobenzene	10.7		"	10.0		107	76-136		5.98	30	
1,2,3-Trichloropropane	11.1		"	10.0		111	77-128		6.91	30	
1,2,4,5-Tetramethylbenzene	11.2		"	10.0		112	85-140		3.56	30	
1,2,4-Trichlorobenzene	10.9		"	10.0		109	76-137		4.98	30	
1,2,4-Trimethylbenzene	11.4		"	10.0		114	82-132		4.11	30	
1,2-Dibromo-3-chloropropane	10.9		"	10.0		109	45-147		21.0	30	
1,2-Dibromoethane	10.5		"	10.0		105	83-124		5.36	30	
1,2-Dichlorobenzene	10.9		"	10.0		109	79-123		7.32	30	
1,2-Dichloroethane	10.8		"	10.0		108	73-132		2.14	30	
1,2-Dichloropropane	10.2		"	10.0		102	78-126		0.0986	30	
1,3,5-Trimethylbenzene	11.3		"	10.0		113	80-131		3.51	30	
1,3-Dichlorobenzene	11.2		"	10.0		112	86-122		5.12	30	
1,3-Dichloropropane	10.6		"	10.0		106	81-125		4.75	30	
1,4-Dichlorobenzene	11.2		"	10.0		112	85-124		6.73	30	
2,2-Dichloropropane	11.9		"	10.0		119	56-150		0.671	30	
2-Butanone	7.48		"	10.0		74.8	49-152		1.85	30	
2-Chlorotoluene	11.2		"	10.0		112	79-130		4.12	30	
2-Hexanone	9.28		"	10.0		92.8	51-146		1.85	30	
4-Chlorotoluene	11.1		"	10.0		111	79-128		5.09	30	
4-Methyl-2-pentanone	5.80		"	10.0		58.0	57-145		4.77	30	
Acetone	9.38		"	10.0		93.8	14-150		4.58	30	
Benzene	11.4		"	10.0		114	85-126		0.702	30	
Bromobenzene	11.0		"	10.0		110	78-129		5.78	30	
Bromochloromethane	11.7		"	10.0		117	77-128		5.07	30	
Bromodichloromethane	10.5		"	10.0		105	79-128		4.47	30	
Bromoform	10.7		"	10.0		107	78-133		10.1	30	
Bromomethane	10.1		"	10.0		101	43-168		10.3	30	
Carbon disulfide	11.6		"	10.0		116	68-146		0.345	30	
Carbon tetrachloride	11.5		"	10.0		115	77-141		1.84	30	
Chlorobenzene	10.7		"	10.0		107	88-120		2.08	30	
Chloroethane	11.3		"	10.0		113	65-136		0.623	30	
Chloroform	11.4		"	10.0		114	82-128		1.41	30	
Chloromethane	8.54		"	10.0		85.4	43-155		0.584	30	
cis-1,2-Dichloroethylene	11.5		"	10.0		115	83-129		1.32	30	
cis-1,3-Dichloropropylene	10.6		"	10.0		106	80-131		4.23	30	
Dibromochloromethane	10.9		"	10.0		109	80-130		6.05	30	
Dibromomethane	10.3		"	10.0		103	72-134		0.681	30	
Dichlorodifluoromethane	7.58		"	10.0		75.8	44-144		1.44	30	
Ethyl Benzene	11.0		"	10.0		110	80-131		1.74	30	
Hexachlorobutadiene	10.7		"	10.0		107	67-146		2.65	30	
Isopropylbenzene	11.1		"	10.0		111	76-140		1.72	30	
Methyl tert-butyl ether (MTBE)	11.1		"	10.0		111	76-135		2.65	30	
Methylene chloride	10.7		"	10.0		107	55-137		1.32	30	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB60428 - EPA 5030B											
LCS Dup (BB60428-BSD1)							Prepared & Analyzed: 02/10/2016				
Naphthalene	10.2		ug/L	10.0		102	70-147		2.47	30	
n-Butylbenzene	11.4		"	10.0		114	79-132		3.12	30	
n-Propylbenzene	11.3		"	10.0		113	78-133		2.79	30	
o-Xylene	10.8		"	10.0		108	78-130		2.62	30	
p- & m- Xylenes	22.4		"	20.0		112	77-133		2.07	30	
p-Diethylbenzene	11.3		"	10.0		113	84-134		2.52	30	
p-Ethyltoluene	11.3		"	10.0		113	88-129		4.34	30	
p-Isopropyltoluene	11.5		"	10.0		115	81-136		2.90	30	
sec-Butylbenzene	11.1		"	10.0		111	79-137		2.65	30	
Styrene	12.4		"	10.0		124	67-132		4.72	30	
tert-Butylbenzene	11.1		"	10.0		111	77-138		3.12	30	
Tetrachloroethylene	10.6		"	10.0		106	82-131		0.471	30	
Toluene	10.7		"	10.0		107	80-127		0.281	30	
trans-1,2-Dichloroethylene	11.1		"	10.0		111	80-132		0.361	30	
trans-1,3-Dichloropropylene	10.8		"	10.0		108	78-131		3.49	30	
Trichloroethylene	10.3		"	10.0		103	82-128		0.0974	30	
Trichlorofluoromethane	11.2		"	10.0		112	67-139		0.991	30	
Vinyl Chloride	10.4		"	10.0		104	58-145		4.42	30	
Surrogate: 1,2-Dichloroethane-d4	*10.0*		*"*	*10.0*		*100*	*69-130*				
Surrogate: Toluene-d8	*9.69*		*"*	*10.0*		*96.9*	*81-117*				
Surrogate: p-Bromofluorobenzene	*9.98*		*"*	*10.0*		*99.8*	*79-122*				

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
16B0283-01	HR-MW-B1	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
16B0283-02	HR-MW-B2	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
16B0283-03	HR-MW-B3	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C

Notes and Definitions

SCAL-E	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration (average Rf>20%).
QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.

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*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two.
For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.

Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.

For analyses by EPA SW-846-8270D, the Limit of Quantitation (LOQ) reported for benzidine is based upon the lowest standard used for calibration and is not a verified LOQ due to this compound's propensity for oxidative losses during extraction/concentration procedures and non-reproducible chromatographic performance.

---

120 RESEARCH DRIVE STRATFORD, CT 06615 (203) 325-1371 FAX (203) 357-0166

YORK ANALYTICAL LABORATORIES
120 RESEARCH DR.
STRATFORD, CT 06615
(203) 325-1371
FAX (203) 357-0166

Field Chain-of-Custody Record

NOTE: York's Std. Terms & Conditions are listed on the back side of this document
This document serves as your written authorization to York to proceed with the analyses requested and your signature binds you to York's Std. Terms & Conditions.

York Project No. 16B0283

YOUR Information	Report to:	Invoice To:	Your Project ID	Turn-Around Time	Report/Deliverable Type
Company: CHAZEN	SAME [X]	SAME [X]	81429.00 Dutchess Justice Center	RUSH-Same Day	Summary Report X
Address: 21 Fox St	Name:	Name: Accts. Payable		RUSH-Next Day X	QA Report
Poughkeepsie, NY	Company:	Company:	Purchase Order #	RUSH-Two Day	CT RCP
Phone.: 845-486-1520	Address:	Address:		RUSH-Three Day	CT RCP DQA/DUE Pkg
Contact: Eric Orlowski			P18092	RUSH-Four Day	NY ASP A Package
E-mail:	E-mail:	E-mail	Samples from CT__NY_X_NJ__	Standard (5-7day)	NY ASP B Package
					NJDEP Reduced Deliv
					Excel X
					NYSDEC EQuIS
					NJDEP SRP HazSite
					EQuIS
					GIS/KEY (std)
					YORK Regulatory Comp Excel compared to:
					OTHER:

Print Clearly and Legibly. All Information must be complete. Samples will NOT be logged in and the turn-around time clock will not begin until any questions by York are resolved.

Samples Collected/Authorized By (Signature)

ERIC J. ORLOWSKI
Name (printed)

Matrix Codes
S - soil
Other - specify(oil, etc)
WW - wastewater
GW - groundwater
DW - drinking water
Air-A - ambient air
Air-SV - soil vapor

Volatiles		Semi-Vols.	Pest/PCB/Herb	Metals	Misc. Org.	Full Lists
8260 full	TICs	8270 or 625	8082PCB	RCRA8	TPH GRO	Pri.Poll.
624	Site Spec.	STARS list	8081Pest	PP13 list	TPH DRO	TCL Organics
STARS list	Nassau Co.	BN Only	8151Herb	TAL	CT ETPH	TAL Met/CN
BTEX	Suffolk Co.	Acids Only	CT RCP	CT15 list	NY 310-13	Full TCLP
MTBE	Ketones	PAH list	App. IX	TAGM list	TPH 1664	Full App IX
TCL list	Oxygenates	TAGM list	Site Spec.	NJDEP list	Air TO14A	Part360-Routine
TAGM list	TCLP list	CT RCP list	SPLP or TCLP	Total	Air TO15	Part360-Routine
CT RCP list	524.2	TCL list	TCLP Pest	Dissolved	Air STARS	Part360-Expanded No Dioxin/Furans
Arom. only	502.2	NJDEP list	TCLP Herb	SPLP or TCLP	Air VPH	Part360-Expanded Full List
Halog.only	NJDEP list	App. IX	Chlordane	Indiv Metals	Air TICs	NYCDEP Sewer
App.IX list	SPLP or TCLP	TCLP BNA	608 Pest	LIST Below	Methane	NYSDEC Sewer
8021B list		SPLP or TCLP	608 PCB		Helium	TAGM

Sample Identification	Date+Time Sampled	Matrix	Analysis Requested (List above includes common analysis)	Container Description
HR-MW-B1	2/9/2016 8:55	GW	8260 VOCs	2 x 40 mL VOAs
HR-MW-B2	2/8/2016 11:23	GW	8260 VOCs	3 x 40 mL VOAs
HR-MW-B3	2/8/2016 12:18	GW	8260 VOCs	3 x 40 mL VOAs

Comments:
Please also email results to Arlette Meader

Preservation (check all applicable): 4°C ✓ Frozen ___ HCl ✓ MeOH ___ HNO_3 ___ H_2SO_4 ___ NaOH ___ ZnAc ___ Ascorbic Acid ___ Other ___

Special Instructions
Field Filtered ☐
Lab to Filter ☐

Samples Relinquished By	Date/Time	Samples Received By	Date/Time	Temperature on Receipt
[signature]	2/9/16 1210	[signature]	2-9-16 1210	3.1 °C
		[signature]	2/9/16 1540	
Samples Relinquished By	Date/Time	Samples Received in LAB by	Date/Time	

Appendix C

Annual Site-Wide Inspection Report

THE Chazen COMPANIES

ANNUAL SITE INSPECTION FORM

Former Hamilton Reproduction Site B-00020-3
166-186 Hamilton Street, Poughkeepsie, NY

Performed by: Eric Orlowski Date: 2/8/16 Time: 1300-1320

Part 1 - Engineering Controls - Sub-Slab Depressurization System (SSDS) (circle noted condition)

1A - Describe SSDS function: normal decreased function non-functioning
explain if not normal:
Not applicable: Site remains a parking lot with plans to install Eng Controls as part of future site redevelopment. Same response for items 1B through 1D.

1B - Is there any damage or defect to the foundation that reduces or has the potential to reduce the effectiveness of the SSDS? (circle one)
Not applicable No Yes If yes, describe needed repairs:

If yes, owner to notify DEC within 48 hours. Attached documentation of notification.

1C - Describe blower conditions:(circle one) **NA**	normal	decreased function	non-functioning	
Excess wear:	none	minimal (no change to system function)	non-functioning	
Visual damage:	none	minimal (no change to system function)	non-functioning	
Listen for smooth blower operation:	normal	inconsistent (describe)	non-functioning	
Measure vacuum pressure:	_____	is it within design parameters?	yes	no
Measure air flow:	_____	is it within design parameters?	yes	no

1D - Is system functioning as designed to continue to be protective of human health and the environment?
Not applicable Yes No **If no**, describe needed modifications:

If no, owner to notify DEC within 48 hours. Attach documentation of notification.

Part 2 - Institutional Controls (circle one)

2A - Site usage: Commercial (parking lot) Industrial
Other:_____ (inconsistent with Environmental Easement, must be reported to DEC)

2B - Is site water source from a municipal source? (circle one) Yes No, Explain inconsistecy with Environmental Easement
Not applicable as no water source is on the parking lot site.

2C - Is site groundwater being used for any purpose? (circle one) No Yes, Explain inconsistecy with Environmental Easement

Part 3 - General Site Conditions

3A - Describe changes since last inspection

A pile of milled asphalt is staged on the northwest corner of the site for use in leveling parking areas as needed. The western area of the site is used for storage of scrap metal and police speed radar carts. A fence was added on the northern and eastern sides of the site.
Two plastic totes were noted on the site during the initial inspection: one was empty and one was approximatley 1/4 full of an unknown liquid. The totes were removed by the Dutchess County Sheriff's Department on 2/10/16. Chazen observed the area again on 2/12/16 and confirmed that the totes were gone and there was no evidence of a release was observed in the area.

3B - Describe condition of monitoring wells and note changes or NYSDEC-approved closures since last inspection by entering data in table below:

Well ID (show on site map)	Intact	Damaged	Closed	Replaced	Explanation
MW-B1	**Yes**				
MW-B2	**Yes**				
MW-B3	**Yes**				

Part 4 - Compliance with Excavation Work Plan and Operations & Maintenance Plan (to be expanded after SSDS is designed)

4A - Describe site construction activities that have been conducted since last inspection (see SMP for soil management criteria). **None observed**

4B - Describe soil excavation and disposition (on site/off site). Map excavation areas and on site placement. **Not applicable.**

Part 5 - Monitored Natural Attenuation

5A - Groundwater sampling event due (circle one)	2010 is pending	was completed on (date): **10/5/2010**
	2015 is pending	was completed on (date): **2/8/2016**

5B - Well(s) sampled for VOCs (list and show on map). **MW-B1, MW-B2, MW-B3**

5C - If groundwater sampling was conducted during this calendar year, attach sampling report. **Provided**

5C - DEC determination that monitoring can be terminated (circle one):	**not yet requested**	requested (date)/pending _____	granted (date): _____

Part 6 - Confirm that site records are up to date

No	**Yes**	NA	6A - Are there any changes that need to be documented in site records (e.g., change of ownership, site usage). **Change of ownership documentation are attached, as is notice of transfer of Certificate of Completion.**
No	Yes	**NA**	6B - Has DEC received 15-day advanced notice of any proposed ground intrusive activities?
No	Yes	**NA**	6C - Has DEC received notification within 48 hours of any damage or defect to the foundation that reduces or has the potential to reduce the effectiveness of the SSDS?

Photo #1
Description: Representative view of the central and eastern portions of the site, looking east.

Photo #2
Description: Representative view of the western portion of the site, looking west.

Appendix D

Notification of Site Change of Use

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

60-Day Advance Notification of Site Change of Use, Transfer of Certificate of Completion, and/or Ownership

Required by 6NYCRR Part 375-1.11(d) and 375-1.9(f)

To be submitted at least 60 days prior to change of use to:

Chief, Site Control Section
New York State Department of Environmental Conservation
Division of Environmental Remediation, 625 Broadway
Albany NY 12233-7020

I. **Site Name:** Former Hamilton Reproduction **DEC Site ID No.** B00020

II. **Contact Information of Person Submitting Notification:**

Name: William F.X. O'Neil, Deputy County Executive

Address1: 22 Market Street

Address2: Poughkeepsie, NY 12601

Phone: 845-486-2000 E-mail: wo'neil@dutchessny.gov

III. **Type of Change and Date:** Indicate the Type of Change(s) (check all that apply):

- [x] Change in Ownership or Change in Remedial Party(ies)
- [x] Transfer of Certificate of Completion (CoC)
- [ ] Other (e.g., any physical alteration or other change of use)

Proposed Date of Change (mm/dd/yyyy): 04/01/2014

IV. **Description:** Describe proposed change(s) indicated above and attach maps, drawings, and/or parcel information.

The property was conveyed by Parker Hamilton Corporation to the County of Dutchess on April 1, 2014.

If "Other," the description must explain and advise the Department how such change may or may not affect the site's proposed, ongoing, or completed remedial program (attach additional sheets if needed).

V. **Certification Statement:** Where the change of use results in a change in ownership or in responsibility for the proposed, ongoing, or completed remedial program for the site, the following certification must be completed (by owner or designated representative; see §375-1.11(d)(3)(i)):

I hereby certify that the prospective purchaser and/or remedial party has been provided a copy of any order, agreement, Site Management Plan, or State Assistance Contract regarding the Site's remedial program as well as a copy of all approved remedial work plans and reports.

Name: [signature] (Signature) 2/15/16 (Date)

Michael C. Burdis, President
(Print Name)

Address1: PARKER HAMILTON
Address2: 130 SALT POINT TPK POUGHKEEPSIE 12603
Phone: 452-3780 E-mail:

VI. **Contact Information for New Owner, Remedial Party, or CoC Holder:** If the site will be sold or there will be a new remedial party, identify the prospective owner(s) or party(ies) along with contact information. If the site is subject to an Environmental Easement, Deed Restriction, or Site Management Plan requiring periodic certification of institutional controls/engineering controls (IC/ECs), indicate who will be the certifying party (attach additional sheets if needed).

[X] Prospective Owner [ ] Prospective Remedial Party [ ] Prospective Owner Representative

Name: County of Dutchess
Address1: 22 Market Street
Address2: Poughkeepsie, NY 12601
Phone: 845-486-2000 E-mail: countyexec@dutchessny.gov

Certifying Party Name: Noel H.S. Knille, AIA, ASLA, Commissioner of Public Works
Address1: 626 Dutchess Turnpike
Address2: Poughkeepsie, NY 12603
Phone: 845-486-2085 E-mail: nknille@dutchessny.gov

VII. Agreement to Notify DEC after Transfer: If Section VI applies, and all or part of the site will be sold, a letter to notify the DEC of the completion of the transfer must be provided. If the current owner is also the holder of the CoC for the site, the CoC should be transferred to the new owner using DEC's form found at http://www.dec.ny.gov/chemical/54736.html. This form has its own filing requirements (see 6NYCRR Part 375-1.9(f)).

Signing below indicates that these notices will be provided to the DEC within the specified time frames. If the sale of the site also includes the transfer of a CoC, the DEC agrees to accept the notice given in VII.3 below in satisfaction of the notice required by VII.1 below (which normally must be submitted within 15 days of the sale of the site).

Within 30 days of the sale of the site, I agree to submit to the DEC:

1. the name and contact information for the new owner(s) (see §375-1.11(d)(3)(ii));
2. the name and contact information for any owner representative; and
3. a notice of transfer using the DEC's form found at http://www.dec.ny.gov/chemical/54736.html (see §375-1.9(f)).

Name: _____ (Signature) 2/15/16 (Date)

William F.X. O'Neil, Deputy County Executive
(Print Name)

Address1: 22 Market Street

Address2: Poughkeepsie, NY 12601

Phone: 845-486-2000 E-mail: wo'neil@dutchessny.gov

Dutchess County Clerk Recording Page

Record & Return To :

DUT CO ATTORNEY
JAMES M FEDORCHAK ESQ
22 MARKET ST
Poughkeepsie, NY 12601

Date Recorded : 04/02/2014
Time Recorded : 3:20:00

Document # : 02 2014 2051

Received From : FELDMAN JACOBSON ABSTRACT

Grantor : PARKER HAMILTON CORP
Grantee : DUT CO

Recorded In : Deed
Instrument Type : NO FEE

Tax District : City of Poughkeepsie

Examined and Charged As Follows :

Recording Charge :	$0.00
Transfer Tax Amount :	$0.00
Transfer Tax Number :	#4343
Red Hook Transfer Tax :	
E & A Form: N	
TP-584 : Y	

Number of Pages : 5

*** Do Not Detach This Page
*** This Is Not A Bill

County Clerk By : eso /
Receipt # : R17173
Batch Record : D76

Bradford Kendall
County Clerk

0220142051

CHL
5p
65
250
5
320

BARGAIN AND SALE DEED WITH COVENANTS AGAINST GRANTORS ACTS

DEED

THIS INDENTURE, made the 1st day of ~~March~~ April, 2014, BETWEEN PARKER HAMILTON CORPORATION, a New York corporation, having an address at 108 Parker Avenue, Poughkeepsie, New York 12601, as party of the first part, and

COUNTY OF DUTCHESS, a municipal corporation having an address at 22 Market Street, Poughkeepsie, New York 12601, as party of the second part,

WITNESSETH, that the party of the first part, in consideration of TEN DOLLARS and other good and valuable consideration paid by the party of the second part, the receipt and adequacy of which is hereby acknowledged, does hereby grant and release unto the party of the second part, the heirs or successors and assigns of the party of the second part forever,

ALL that certain plot, piece, or parcel of land, with the buildings and improvements thereon erected, situate, lying and being in the City of Poughkeepsie, County of Dutchess, and State of New York, more particularly bounded and described as is set forth on Schedule "A" annexed hereto.

TOGETHER WITH all right, title and interest, if any, of the party of the first part in and to any streets and roads abutting the above described premises to the center lines thereof; **TOGETHER WITH** the appurtenances and all the estate and rights of the party of the first part in and to said premises; **TO HAVE AND TO HOLD** the premises herein granted unto the party of the second part, the heirs or successors and assigns of the party of the second part forever.

AND the party of the first part covenants that the party of the first part has not done or suffered anything whereby the said premises have been encumbered in any way whatever, except as aforesaid.
AND the party of the first, in compliance with Section 13 of Lien Law, covenants that the party of the first part will receive the consideration for this conveyance and will hold the right to receive such consideration as a trust fund to be applied first for the purpose of paying the cost of the improvement and will apply the same first to the payment of the cost of the improvement before using any part of the total of the same for any other purpose. The word "party" shall be construed as if it reads "parties" whenever the sense of the indenture so requires.

IN WITNESS WHEREOF, the party of the first part has duly executed this deed the day and year first above written.

IN THE PRESENCE OF:

PARKER HAMILTON CORPORATION

By: _____

Michael C. Burdis, President

FELDMAN-JACOBSON ABSTRACT
TITLE NO. 13-10-040323
RF: 239-39

SCHEDULE A

ALL that certain piece or parcel of land situate, lying and being in the City of Poughkeepsie, County of Dutchess and State of New York and is more particularly bounded and described as follows:

BEGINNING at a point on the southerly bounds of Parker Avenue, said point being the northeast corner of the lands, now or formerly, of Auggie's Acquisition Inc: thence easterly along the southerly bounds of Parker Avenue North 53° 40' 23" East 22.53 feet to the northwest corner of the lands, now or formerly, of Parker Hamilton Corp. (Doc #02 2011 1862 Parcel 1); thence continuing easterly along the southerly bounds of said Parker Avenue and the northerly bounds of said Parker Hamilton Corp North 53°40'20" East 61.05 feet to the northwest corner of the lands now or formerly of Parker Hamilton Corp (Doc #02 2011 1862); thence easterly along the southerly bounds of said Parker Avenue and the northerly bounds of said Parker Hamilton Corp North 53°40'30" East 317.90 feet to the northwest corner of the lands, now or formerly, of Gardner thence southerly and easterly along the bounds of said Gardner and the bounds of the lands, now or formerly, of Royce the following four (4) courses:

1. South 36°14'30" East 120.00 feet
2. North 53°50'30" East 75.00 feet
3. South 36°04'30" East 60.00 feet and
4. North 48°22'15" East 15.31 feet

to a point located on the westerly bounds of the land now or formerly, of Apa; thence southerly along the westerly bounds of the lands, now or formerly, of Runza, Roberts, Poughkeepsie Neighborhood Club and Mokszycki South 09°20'05" West 143.10 feet to the southwest corner of said Mokszycki; thence easterly along the southerly bounds of said Mokszycki South 80° 39'35" East 120.00 feet to a point located on the westerly bounds of North Hamilton Street; thence southerly along the westerly bounds of said North Hamilton Street South 09°20'00" West 234.58 feet to the northeast corner of the lands, now or formerly, of Dutchess County; thence westerly along the northerly bounds of said Dutchess County South 83°42'07" West 257.80 feet and South 89°51'25"West 209.01 feet to the southeast corner of the lands, now or formerly of Parker Hamilton Corp (Doc #02 2011 1859); thence along the bounds of said Parker Hamilton Corp and the aforementioned Auggie's Acquisition Inc the following three (3) courses:

1. North 08°55'35" West 155.00 feet,
2. South 82°56'25" West 50.00 feet and
3. North 08°55'37" West 128.55 feet

to the point or place of BEGINNING. Containing 4.765 acres of land, more or less. All referenced bearings based upon New York State Plane Coordinate System NAD 83 (Epoch 2010) as determined by OPUS.

* for the benefit of the remaining lands of the Grantor, for all purposes of vehicular and pedestrian ingress and egress on, over, across and through the following premises:

EXCEPTING AND RESERVING unto the Grantor, its successors and assigns, the following easement, *

ALL that certain plot piece or parcel of land situate, lying and being in the City of Poughkeepsie, County of Dutchess and State of New York and is more particularly described as follows:

BEGINNING at a point on the southerly bounds of Parker Avenue, said point being the northeast corner of the lands, now or formerly, of Auggie's Acquisition Inc (Doc #02 2013 5479); thence easterly along the southerly bounds of Parker Avenue North 53°40'23" East 22.53 feet to the northeast corner of the lands, now or formerly, of Parker Hamilton Corp (Doc #02 2011 1862, Parcel 1); thence southerly and easterly along the westerly and southerly bounds of said Parker Hamilton Corp the following two (2) courses:

1. South 08°55'30" East 114.55 feet and
2. North 82°57'09" East 29.99 feet

to a point located on the northerly bounds of the lands, now or formerly, of Parker Hamilton Corp. (Doc #02 2011 1860); thence southerly through said Parker Hamilton Corp. South 08°55'35" East 25.02 feet to a point located on the southerly bounds of said Parker Hamilton Corp; thence westerly along said bounds South 82°56'25" West 50.00 feet to a point located on the easterly bounds of the aforementioned Auggie's Acquisition Inc.; thence northerly along said bounds North 08°55'37" West 128.55 feet to the point or place of BEGINNING. Containing 0.078 acres of land, more or less. All referenced bearings based upon New York State Plane Coordinate System NAD 83 (Epoch 2010) as determined by OPUS.

BEING the same parcel conveyed by JAMES L. TAYLOR MANUFACTURING CO., INC. to PARKER HAMILTON CORPORATION by deed dated January 1, 2011, and recorded in the Dutchess County Clerk's Office on April 18, 2011, as Document No. 02 2011 1859.

BEING the same parcel conveyed by JAMES L. TAYLOR MANUFACTURING CO., INC. to PARKER HAMILTON CORPORATION by deed dated January 1, 2011, and recorded in the Dutchess County Clerk's Office on April 18, 2011, as Document No. 02 2011 1860.

BEING the same parcel conveyed by JAMES L. TAYLOR MANUFACTURING CO. to PARKER HAMILTON CORPORATION by deed dated January 1, 2011, and recorded in the Dutchess County Clerk's Office on April 18, 2011, as Document NO. 02 2011 1862.

The premises are not in an agricultural district and the parcel is entirely owned by the transferor.

ACKNOWLEDGMENTS

STATE OF NEW YORK)
) ss.:
COUNTY OF DUTCHESS)

On the 15 day of April, 2014, before me, the undersigned, a notary public in and for said state, personally appeared MICHAEL C. BURDIS personally known to me or proved to me on the basis of satisfactory evidence to be the individual whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his capacity, and that by his signature on the instrument, the individual or the person upon behalf of which the individual acted, executed the instrument.

Notary Public

ALLAN B. RAPPLEYEA
Notary Public, State Of New York
Reg. No. 5008140
Qualified In Dutchess County
Commission Expires Feb. 16, 20 15

Tax Identification Numbers:

104 Parker Avenue	- 131300-6162-54-213405-0000
108 Parker Avenue	- 131300-6162-54-236411-0000
182 North Hamilton Street	- 131300-6162-54-240389-0000

City of Poughkeepsie
County of Dutchess
State of New York

Record and Return to: James M. Fedorchak, Esq.
Dutchess County Attorney
22 Market Street
Poughkeepsie, New York 12601

Appendix E

Notification of Transfer of Certificate of Completion

NOTICE OF TRANSFER OF CERTIFICATE OF COMPLETION
Environmental Restoration Program
Pursuant to 6 NYCRR Part 375-1.9(d)
Former Hamilton Reproduction, B00020
166-186 North Hamilton Street, Poughkeepsie, NY 12601

PLEASE TAKE NOTICE, that pursuant to 6 NYCRR 375-1.9(d), City of Poughkeepsie hereby transfer(s) the Certificate of Completion (COC) issued by the Department of Environmental Conservation on June 11, 2010 for the site described below. Such COC was issued upon satisfaction of the Commissioner, following review by the Department of the final engineering report and data submitted pursuant to the State Assistance Contract, as well as any other relevant information regarding the Site, that the remediation requirements set forth in ECL Article 56, title 5 had been or would be achieved in accordance with the time frame, if any, established in the remedial work plan.

PLEASE TAKE NOTICE, that Former Hamilton Reproduction (site) is located at 166-186 North Hamilton Street, Poughkeepsie, New York 12601, County of Dutchess. The Site is bearing DEC site number: *B00020* and is more fully described on Schedule A attached hereto ("Site"). The Tax Map Identification Number(s) for site is 6162-54-240389:

PLEASE TAKE NOTICE, that a Notice of Certificate of Completion for the Site was filed in the Dutchess County Clerk's Office on July 16, 2010 in Document # 02 2010 3507.

PLEASE TAKE NOTICE,that on August 16, 2010, the City of Poughkeepsie conveyed title to the Site to James L. Taylor Manufacturing Co., Inc. by Deed recorded in Document # 02 2010 4243.

PLEASE TAKE NOTICE, that on January 1, 2011, James L. Taylor Manufacturing Co., Inc. conveyed title to Parker Hamilton Corporation by Deed recorded in Document # 02 2011 1860.

PLEASE TAKE NOTICE, that April 1, 2014, Parker Hamilton Corporation conveyed title to the County of Dutchess by Deed recorded in Document # 02 2014 2051.

PLEASE TAKE NOTICE, the City of Poughkeepsie hereby transfers the Certificate to the following new property owner(s) as provided for pursuant to 6 NYCRR 375-1.9(d):

County of Dutchess
22 Market Street
Poughkeepsie, NY 12601
Tax Identification Number:14-6002566
Marcus J. Molinaro, County Executive

PLEASE TAKE FURTHER NOTICE, that if there is an environmental easement for this site, that the County of Dutchess recognize(s) and agree(s) to implement the Department-approved Site Management Plan, and any amendments thereto, and to fully comply with all restrictions and affirmative obligations contained therein as well as in the Environmental Easement for the Site.

WHEREFORE, the undersigned have signed this Notice of Transfer of Certificate of Completion as of this 19th of February 2016.

City of Poughkeepsie

By: Robert G. Rolison, Mayor

Sworn to before me this 19th day
of February 2016

KRISTEN S. GUTHRIE
Notary Public, State of New York
Registration #01GU6040553
Qualified In Dutchess County
Commission Expires April 24, 2018

County of Dutchess

By: Marcus J. Molinaro, County Executive

William F.X. O'Neil
Deputy County Executive

Sworn to before me this 18th day
of February 2016

CAROL A. BOGLE
Notary Public, State of New York
No. 4811115
Qualified in Dutchess County
Commission Expires 1/31/19

MEMORANDUM

To: Ms. Noel Knille, AIA, ASLA

From: Mr. Christopher Lapine, P.E., LEED AP

cc: Mr. Ken Ricci, FAIA

Date: March 3, 2016

Re: Dutchess County Justice and Transition Center
Comparison of Anticipated Wastewater Generation Rates versus Actual Water Usage Rates

Job #: 81429

The purpose of this memorandum is to respond to the request of the County Legislature to compare anticipated wastewater generation rates associated with the jail expansion versus actual water usage rates.

The Full Environmental Assessment Form prepared for the temporary modular housing units projected a population of 457 inmates and a wastewater generation rate of 40,000 gallons per day (gpd). This generation rate considered all wastewater generated from the facility. The proposed Dutchess County Justice and Transition Center projects a population of 569 inmates. This would represent an increase of 112 inmates for the purpose of this comparison.

Projected wastewater generation rates for proposed actions are established using an estimated per-capita demand as described in Table B.3 Typical Per Unit Hydraulic Loading Rates of the New York State Department of Environmental Conservation (NYSDEC) Design Standards for Intermediate-Sized Wastewater Treatment Systems, 2014. The estimated per-capita wastewater generate rate for an inmate is 150 gpd and for an employee is 15 gpd. As the proposed DCJTC center project will not be increasing the number of employees, only inmates are considered for this comparison. The same standard allows for the per-unit hydraulic loading rates in Table B-3 to be reduced by 20 percent for establishments equipped with water saving plumbing fixtures. As the proposed jail addition will incorporate water saving fixtures, the estimated wastewater generation rates can be reduced by 20%. Therefore, an additional 112 inmates at 150 gpd with a reduction of 20% to account for water serving fixtures is expected to generate an additional 13,440 gpd based upon (NYSDEC) Design Standards for Intermediate-Sized Wastewater Treatment Systems, 2014, resulting in a total of 53,330 gpd of wastewater.

The current jail facility contains of two water meters. The County provided the City of Poughkeepsie water meter readings for 2015. As the temporary housing units were under occupancy in May 2015, meter readings for the third and fourth quarters (June 2015 – December 2015) were reviewed to extrapolate a per-capita wastewater generation rate for an inmate (inclusive of employees and visitors). During the third and fourth quarters of 2015, the jail used 7,335 units (1 unit = 100 cubic feet). This resulted in 5,486,580 gallons (1 cubic feet = 7.48 gallons) over approximately 183 days, or a daily average of 29,981 gpd. Based upon an average inmate population of 441 inmates for 2015, this would result in an average per- capita wastewater generation rate of 68 gpd per inmate, inclusive of associated employees and visitors.

Utilizing a recorded per-capita wastewater generation rate of 68 gpd per inmate and DCJTC projected population of 569 inmates, it can be anticipated that an average daily wastewater generation rate would be approximately 38,692 gpd, inclusive of associated employees and visitors.

Two conclusions can be derived from the information contained herein:

- The projected amount of wastewater for the jail expansion utilizing recorded per-capita wastewater generation rates (38,693 gpd) is expected to be less than anticipated when the FEAF for the temporary modular housing was developed (40,000 gpd).

- The projected wastewater generation rate for the jail expansion utilizing recorded per-capita wastewater generation rates (38,693 gpd) is expected to be less than the anticipated for the additional inmates when utilizing the NYSDEC) Design Standards for Intermediate-Sized Wastewater Treatment Systems (53,330 gpd).