Construction Work Plan

January 2017
Revised March 2017

New York State Department of Environmental Conservation
NYSDEC
Buffalo Lakeside Commerce Park Parcel 4
Contract No.: D009346, NYSDEC Site No. 915193A
Located in Buffalo, NY

The Environmental Service Group (NY), Inc.
177 Wales Avenue
Tonawanda, New York 14150

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1. PROJECT DESCRIPTION

1.1. PURPOSE

This Construction Work Plan (Work Plan) has been prepared for the Buffalo Lakeside Commerce Park Parcel 4 (BLCP), Erie County, New York. BLCP Parcel 4 is approximately 20 acres that is bordered by Parcel 3 on the south side, a paved road Laborer's Way on the North and West side, and Ship Canal Parkway on the East. The Remedial Action Plan is to remediate the portions of the site in two separate excavations. Excavation No. 1 is approximately 125' x 200' to an 8' depth located approximately to the South Center of parcel 4. Excavation No. 2 is approximately 5.3 acres to an elevation of 577 located on the West side of parcel 4. ESG will be excavating the contaminates of concern and disposing of them in accordance with NYSDEC regulations and the contract documents.

1.2. SUMMARY OF WORK

Summary of activities that will be conducted at the BLCP Parcel 4:

- Mobilization to the site and setup of support, contamination reduction and exclusion zones for use in remedial site operations.
- Obtain permits and bonds as required for hydrant use, road cuts and access, utility disconnections, treatment, discharge of site contact waters, etc.
- Provide trained and certified personnel with the means to adhere to and perform work in accordance with the required site-specific Health and Safety Plan;
- Establishment of site survey controls, site topography (i.e., pre-construction, work in progress, final subgrade, and post-construction), confirmation and documentation sample locations, bid item quantity surveys, monitoring well locations, and final site improvements;
- Preparation of a storm water pollution prevention plan (SWPPP) and installation, inspection, and maintenance of site storm water controls at areas on the property;
- Establishment of site egress, security, and storm water pollution prevention controls including erosion and sediment controls throughout the contract period;
- Clearing and grubbing of designated areas as required to provide access and perform the remedial work on-site;
- Chip and reuse of cleared and grubbed materials on-site in a designated areas; chipped materials not used shall be disposed off-site;

- Dewatering of excavation areas;
- Storage, analysis, and treatment of potentially contaminated ground water, dewatering effluent, and decontamination waters generated as a result of, and not limited to, remedial operations prior to off-site disposal;
- Excavation and disposal of designated contaminated site soils in selected areas to achieve the site soil cleanup objectives;
- Transport and disposal of hazardous and non-hazardous waste, soils and debris generated from the remedial excavation activities;
- Collection, sample shipping, and analysis of confirmation/documentation soil samples from selected excavation areas with recorded horizontal and vertical survey coordinates at each sample location;
- Installation of demarcation layer upon completion of excavation areas prior to backfill;
- Backfill and/or restoration of designated site areas;
- Decommissioning of select monitoring wells;
- Installation and development of new groundwater monitoring wells;
- Removal and repair of perimeter fence as noted on the Contract Drawings;
- Repair of asphalt pavement disturbed during remedial construction;
- Repair of concrete sidewalks and curbing disturbed during remedial construction;
- Grading to design grades and re-vegetation of the site as shown on the Contract Drawings;
- Sweep clean all hard surfaces upon completion of the work;
- Demobilization of Contractor equipment and disconnection of temporary utilities upon project completion.

1.3. SITE MOBILIZATION

Upon receipt of the "notice to proceed", work will begin to obtain required permits, background samples for proposed construction trailers, decontamination stations, stockpiling areas, and water treatment areas. ESG will mobilize equipment, field offices and other supplies to begin work at the site. Office and supply trailers will be transported to the site to be utilized by the department representative and The Environmental Service Group (NY) Inc. (ESG) personnel during the project.

Sufficient trailers will be located at the site to provide adequate office, equipment storage, supply and personnel decontamination facilities. Designated areas will be graded and stone covered to provide a level surface for trailers, parking areas and material & equipment staging areas. Electrical service will be obtained from the onsite transformer located on Figure 1 – Site Setup Plan. All disturbed areas will be restored to their original condition or regraded as directed by the department's representative at the completion of the project.

Installation of a 10 foot wide by 70 foot long 120 ton capacity temporary vehicle scale will be installed in accordance with the manufactures installation instructions (Manufactures Product Data to be supplied under separate submittal during progress of work). The temporary scale will be certified by Erie County Division of weights and measures. The scale will be located in close proximity as shown on Figure 1 – Site Setup Plan.

Topographical survey will be completed over the entire parcel during the time that site is being mobilized, and prior to any intrusive site activities. The survey will include the setup and use of existing and new benchmarks/control points, existing site elevations and conditions, location of existing monitoring wells, new monitoring wells, pre and post excavation in the areas described in the contract documents, and all sampling locations.. Areas of heavy vegetation may require minimal clearing to allow survey personnel access. A final record survey and drawing identifying any major discrepancies of elevations or utilities from project drawings will be noted on the survey.

1.4. SITE SECURITY

Site Security will be maintained by the use of the already in place perimeter fence and lockable gates which will be inspected and repaired daily. Additional fence will be constructed as necessary in accordance with Specification Section 02830 – Temporary Chain Link Fences and Gates.

Employees conducting work onsite must sign in and out every time they enter and leave site. Visitors will have a separate sign in/out book in which they must sign in/out when they arrive onsite. No unauthorized and/or properly trained person may enter the hazardous work areas under any circumstance. Everyone onsite will be required to wear identification tags with their name written legibly and easily identified as stated in Specification Section 00011 – Site Security.

Signs will be posted on the outside perimeter fence, easily visible from offsite public locations throughout the duration of the project. The signs will warn the public of open excavations and hazardous materials onsite in accordance with Specification Section 00007 – Project Identification and Signs.

1.5. PROJECT SCHEDULE

The proposed Project Schedule is provided with this Work Plan as Attachment 1. Major activities to be completed at the site include, clearing & grubbing, monitoring well abandonment, on-site soil excavation & stockpiling, transportation and off-site disposal of contaminated waste, backfill, site grading, topsoil placement, seeding and landscaping.

Many other smaller work activities will occur during the course of the project. The order and estimated time frame to complete each of these work activities has been estimated and the information provided on a project schedule. The preliminary project schedule has an approximate start up June 5th 2017. The project schedule will be refined as the project progresses in accordance with Section X 00001 (Progress Schedule).

1.6. ON-SITE UTILITIES AND WATER SUPPLY

Water will be obtained from the on-site hydrant and/or brought to the job site as needed. Electrical power for temporary use at office trailers will be provided through temporary service from National Grid billed directly to ESG. Any and all permits required by the City, State, and/or Federal for specific work to be conducted on the BLCP Parcel 4 Site will be applied for once the NTP has been issued. Permits will be obtained prior to the commencement of work for which the specified permit allows.

1.7. PROJECT TEAM

The following summarizes key personnel, sub-contractors, Department and other personnel for implementation of the BLCP Parcel 4 Work Plan.

BLCP Parcel 4 Site Key Personnel		
Role	**ESG Personnel**	**Address/Telephone No.**
Project Manager	Brian Harris	177 Wales Dr. Tonawanda, NY PH.: (716) 695-6720 Ext. 106 Cell: (716) 870-0993 Fx.: (716) 695-0161
QA Officer	John Battaglia	661 Niagara Falls Blvd Niagara Falls NY 14301 Cell: (716) 570-1295
Site Supervisor	Brian Harris and/or Laterio Humphrey	177 Wales Dr. Tonawanda, NY Cell: (716) 948-3691
Health and Safety Coordinator (HSC)	John Battaglia	661 Niagara Falls Blvd Niagara Falls NY 14301 Cell: (716) 570-1295
Safety Officer (SO)	Todd Harris	177 Wales Dr. Tonawanda, NY Cell: (716) 425-6985
Health and Safety Technician	TBD as Needed	
Medical Facility	Mercy Hospital of Buffalo	565 Abbott Rd., Buffalo, NY (716) 828-2038
Key Agency Personnel		
Agency/Firm	**Name/Title**	**Address/Telephone**
NYSDEC	Heide-Marie Dudek / Project Manager	625 Broadway, Albany, New York, 12233 Phone: (518) 402-9813
NYSDEC-Region 9	TBD	270 Michigan Avenue Buffalo, NY 14203 Phone (716)-851-7200
CDM Smith	John Blaum, P.E. / Project Manager	11 British American Blvd., Airport Park, Suite 200 Latham, NY 12110 Phone: (518) 782-4500
Key Subcontractor Personnel		
Firm	**Name/Title**	**Address/Telephone**
Paradigm Environmental Services (Sampling Lab)	John Hoffman	103 Pheasant Run Lane, Lancaster, NY 14086 Cell: (716) 818-5671
US Ecology Michigan (Hazardous Waste Disposal Facility)	Mark Baron	17440 College Parkway Suite 300 Livonia, MI 48152 Phone: (800) 592-5489 cell: (716)901-3410
US Ecology Canton, Ohio (Hazardous Waste Disposal Facility)	Mark Baron	2050 Central Avenue, Canton, Ohio 44707 Phone: (330) 456-6238 cell: (716)901-3410
Page Trucking (Hazardous Waste Transporter)	Mark Gleason	P.O. Box 920 2758 Trombley Road Weedsport, NY 13166Phone (732)-240-7990
Mallare Enterprise Inc. (Non-Hazardous Waste transporter)	Jim Mallare	174 North Ellicott Creek Road Amherst, New York 14228 Phone (716) 691-8001
Fisher Associates (Survey)	Scott Smith	135 Calkin Rd Rochester NY 14623 (716) 334-1310
ESG (Non-Hazardous Waste Transporter)	Nick Halliday	177 Wales Ave Tonawanda, NY 14150 (716) 695-6720
Allied Waste Landfill (Non Haz Waste Disposal Facility)	Ed Dwyer	5600 Niagara Fall Blvd. Niagara Falls, NY 14304 (716) 371-4205
WM Chaffee Landfill (Non-Haz Waste Disposal Facility	Eileen Carbone	10860 Olean Rd, Chaffee, NY 14030 Office: (716) 496-5514 Cell: (716) 425-7485

2. MAJOR WORK TASKS

2.1. SEQUENCING OF WORK

Major activities to be completed at the site include clearing & grubbing, monitoring well installation/abandonment, on-site soil excavation & stockpiling and non-hazardous/hazardous waste removal, storage & off-site disposal, backfill, topsoil placement, seeding, and asphalt restoration. Many other smaller work activities will occur during the course of the project.

The order and estimated time frame to complete each of these work activities has been estimated and the information provided on a project schedule. The preliminary project schedule has an approximate mobilization date of June 5Th 2017**.** Early work items include site survey, site mobilization, installation of erosion and sedimentation controls, clearing & grubbing. Certain work items, specifically the excavation of non-hazardous contaminated soils require not only favorable weather during the excavation but enough time to excavate and backfill to reduce construction water handling. The attached schedule is a conservative approach to completing the project within the required time and substantially completing all the work within the 396 calendar days from an approved agreement and 426 calendar days for final completion.

2.2. EROSION AND SEDIMENT CONTROL

This work specified here consists of installing and maintaining erosion and sedimentation controls as necessary to provide adequate protection to surrounding areas during the remedial work at the BLCP Parcel 4 Site. All existing and foreseeable future conditions that affect the work inside and outside the site limits must be acknowledged. Erosion and sediment control techniques may include, but are not limited to, grassing, mulching with hay/straw or woodchips, netting/matting, geotextiles, stone, temporary berms, silt fences, silt socks, barriers, hay bales and diversions channels.

These methods when properly employed will ensure that erosion and sediment pollution will be either eliminated or maintained within acceptable limits as established by the project guidelines. Temporary erosion control devises will be installed to prevent and contain siltation within the work limits until more permanent measures are established.

The site offers a natural attenuation and limited tributary area which will minimize the potential impact of run-on. The upslope dense vegetation and the installation of temporary silt-fence/socks and diversion berms will eliminate storm water run-on into the work area. The location of the diversions will be based upon the field location of obvious depressions and water flow zone.

Silt fence/socks will be installed down gradient of the work area and maintained throughout the entire project or until more permanent controls can be installed or established. The silt fence installed shall be an assembled unit consisting of geotextile attached to 2” by 2” wooden drivable posts or silt sock will be 8” diameter staked to ground. The geotextile will contain sufficient ultraviolet ray inhibitor and stabilizers to provide a minimum 2-year service life for outdoor exposure. A net backing consisting of an industrial polypropylene mesh will reinforced the

geotextile. Sharpened hardwood posts approximately 2" square will be embedded a minimum of 12" into the soil to support the fence. The lower section of the fence will be entrenched into the earth as the fence is installed and backfilled on each side to pin the geotextile in place. Routinely, the silt sock/fence will be checked for rips or tears, broken posts or unearthing. A visual inspection will be done of all erosion and sediment control devices once per week and promptly after every rainstorm. The contactor will walk the fence and provide the necessary repairs or complete replacement. Repairs will include the replacement of broken posts, reattachment of fabric to posts, burial of fabric into the ground and complete replacement of sections of fence determined beyond repair. On an as needed basis certain areas may require reinforcement with hay bales or other means such as soil berms or temporary diversion berms. These techniques will be utilized if troublesome areas are apparent needing repeated repairs.

Silt and sand build up along fences will be removed and transported to other areas on the site where it can be contained. A laborer shoveling soil material away from the sock/fence will remove minor silt build up. Larger buildup may require the use of machinery to grade silt back away from the fences. A small bulldozer with an angle blade can be useful in achieving this.

Storm Water Pollution Prevention Plan (SWPPP) inspections will be conducted throughout the duration of the project on a weekly basis and after a Rain Event (0.5 inches or more) conducted by ESG. Non critical repairs shall be completed within 7 calendar days after reporting. Critical repairs shall be addressed within 48 hours of being reported.

2.3. CLEARING AND GRUBBING

Site clearing and grubbing will begin as soon as erosion control devises are installed in accordance with the SWPP plan and acceptable to the department. All trees will be dropped in place, limbed, and cut into smaller manageable pieces and removed from site. All stumps within contaminated areas will reduced into smaller pieces and loaded out for disposal with the impacted soils.

2.4. EQUIPMENT DECONTAMINATION WATER MANAGEMENT

Water utilized for decontamination of equipment shall be supplied by potable water from the on-site hydrant, an offsite source, or treated water from dewatering excavations. Portable decontamination stations to decontaminate heavy equipment or parts of heavy equipment (e.g., excavator bucket) will be established at a specific work area during the project. A temporary decontamination station will be set up at the exit of the site to decontaminate waste hauling vehicles that are transporting contaminated soils from the site to offsite disposal facilities. Vehicles and Equipment that have been inside the exclusion zones will be visually inspected by the Engineers onsite representative prior to leaving the site. Water generated by equipment/vehicle decontamination activities shall be collected from sumps and processed through a two stage bag filter and through a carbon filter prior to being stored in the onsite frac tanks. All spent bag filters and carbon from the temporary water treatment system will be characterized and disposed of to a permitted disposal facility.

2.5. PERSONNEL DECONTAMINATION WATER MANAGEMENT

Water shall be potable water supplied from onsite source. Potable water shall be stored onsite in a small poly tank and be readily available in designated areas where personnel decontamination will occur. Each local personnel decontamination area will have drums for storing used personnel protective equipment (PPE), tubs for washing and rinsing boots, and PPE. Water resulting from personnel decontamination activities shall be collected, treated on site through the two bag filter system as discussed in Section 2.4, and properly discharged. Primary efforts will be made to minimize and/or eliminate personal contact with the waste.

2.6. MONITORING WELLS

The existing site features for this project include the removal and installation of groundwater monitoring wells. The well removal and installation requirements are detailed in Section 00012 – Monitoring Well Decommissioning and Installation.

All well abandonment activities are to comply with NYSDEC Commissioner Policy CP-43: Groundwater Monitoring Well Decommissioning Policy dated November 3, 2009.

2.7. WINTER SHUTDOWN

A Winter Shutdown is expected for this project from November 15th, 2017 until April 15th, 2018. Prior to the Winter Shutdown period Winter Erosion and Sediment Control Protection will be installed and maintained during this period. During the winter shutdown period minimal Temporary Facilities and Control shall be maintained according to Technical Specifications Section 01660 — Winter Shutdown. Site security will be performed in accordance with Technical Specifications Section 00011 – Site Security.

3. EXCAVATION AND STAGING

Prior to excavation, all of the excavation areas will be surveyed including limits and starting elevations. An additional survey will be performed upon achieving the required depths for volume calculations. All original surveys shall be submitted to the Department/Engineer for review to confirm all excavation limits, depths, and volumes have been met. Final as built survey will be performed at completion of site restoration.

3.1. EXCAVATION OF NON-HAZARDOUS SOIL FOR OFF-SITE DISPOSAL

Due to the sizing of the site, two excavators will be utilized to excavate soils from the area marked on the drawings and surveyed in the field. The non-hazardous excavated soils will be sampled in accordance with the disposal facilities requirements prior to offsite transportation. Non-hazardous material will be direct loaded into dump trucks and transported to a permitted disposal facility. In the event excavated materials cannot be direct loaded due to high moisture content, ESG will stage the materials for drying and/or mixing with dryer materials as detailed in Section 3.3. Temporary access roads may be constructed as needed for ease of access to excavation areas for use during excavation and backfill procedures.

3.2. EXCAVATION OF HAZARDOUS SOIL FOR OFF-SITE DISPOSAL

Excavation of Hazardous Characteristic materials will be sampled in accordance with the off site disposal facility requirements as necessary. Upon approval of the analytical and profile ESG will excavate and direct load the contaminated soil into lined waste hauling vehicles for transportation to a permitted disposal facility.

3.3. SOIL STAGING/STOCKPILE PAD

ESG only anticipates needing to stockpile contaminated soils within the contaminated zone boundaries. ESG does not anticipate the need to utilize separation barriers between the stockpiled contaminated soils and the in-place contaminated soils. In the event ESG will need to stockpile outside the contaminated zone ESG will construct a stockpile pad as needed to for stockpiling/staging of impacted soils. ESG will clear the area utilizing a bull dozer and scrape the surface material to create twelve inch high berms around the perimeter. The stockpile pad will be approximately 30' long by 30' wide. After the perimeter is established ESG will place two layers of reinforced 6 mil polyethylene sheeting. The soil staging/stockpile pad will be dewatered and covered to control dust, odors, and precipitation infiltration. The liner will be inspected prior to placing any material in the staging area and upon unloading material from the staging area. Any damage to the staging area will be repaired/replaced prior to placing any new material.

If wet soils are encountered, the soils will require blending with drier soils to create a soil that meets the disposal facility requirements for the paint filter test. In the event blending with drier soils is not enough ESG will construct drying bays in accordance with the contract specifications section 00015 Offsite Transportation and Disposal, 3.01 Reduce Moisture Content. In the event needed the drying bays location is shown on Figure 1 – Site Setup Plan. When possible, direct loading of transport trucks will be performed; otherwise, excavation, stockpiling, and load out of stockpiled soils will be implemented. Staging areas, access roads, temporary haul roads, and loading areas are shown on the Site Layout drawing. Temporary roads are used to locate transport trucks close to the excavation areas without contacting impacted soils. The haul roads will be constructed utilizing separation fabric placed on grade and 12'' of crushed stone or temporary matting. The haul roads will provide a clean surface for the transport trucks to travel on throughout the site. The transport trucks will remain clean while being loaded with impacted material thereby decreasing the amount of decontamination required before exiting the site. Polyethylene sheeting will be used around the transport vehicles while being loaded, to prevent impacted material from spilling onto the clean haul road. While onsite and after loading of impacted material, transport vehicles will proceed to the decontamination pad. Prior to leaving the site, all transport vehicles will be inspected and decontaminated, if required, at the main decontamination pad.

Upon the completion of all impacted soil excavation, all heavy equipment that contacted the impacted soil will be decontaminated and demobilized from the site.

3.4. BACKFILL AND COMPACTION

After excavation limits are reached, confirmatory samples are returned, and ESG has received written approval from engineer that all excavation depths have been met, and all confirmation samples meet Restricted Commercial Use SCOs; ESG will backfill and compact the excavation to the contours located in the Contract Drawings and in accordance with the contract documents Section 00201- Backfill and Compaction. The area will then be restored as per the restoration specifications Section 02502 – Restoration of Surfaces.

3.5. EXCAVATION SLOPE MANAGEMENT

ESG will establish permissible safe slopes depending on field conditions. ESG does not anticipate utilizing sheeting and/or shoring for the excavations. Based on the site conditions and limited site data there is ample room to bench excavation number 1 to achieve the required depths and excavation limits. Excavations over four (4) feet in depth will be benched and/or sloped in accordance with OSHA standards. Sidewalls on excavations < or = to 4' depth shall have vertical sidewalls if soil type allows. Maximum allowable excavation slopes are summarized below:

Maximum Allowable Slopes

Soil Type	**Horizontal to Vertical Ratio (Slope)**
Type A	3/4:1 (53 degrees)
Type B	1 : 1 (45 degrees)
Type C	1 1/2: 1 (34 degrees)

It is anticipated that excavations will be made primarily in silt/sandy/clay/slag/some debris. It is anticipated that these soils will be categorized as OSHA Type B and can be excavated to 1H: 1V side slopes. Some of the lower soils may be loosened or weathered silty gravel/rock; these soils, where present, may be categorized as OSHA Type C, with a safe maximum slope of 11/2 H: 1 V. Soil will be stockpiled away from the edge of excavations at all times in accordance with OSHA requirements. Additional safety procedures are included in the HASP.

The horizontal limits of excavation for each area will be surveyed. These limits will correspond approximately with top of excavation side slopes. Excavation sides will be sloped/benched inward from these upper limits in accordance with the OSHA soil type. As noted above, it is anticipated that the lower portion of the excavation will be sloped at 1H:lV, while the lower portion may require flattening to 1 1/2H:lV, depending on soil conditions. These slopes (or equivalent benching) will be carried to final depth. Actual depths will be determined in the field based on visual inspection and confirmatory sampling.

ESG will have a Topcon GPS Unit onsite to field verify the dimensions of each excavation shown on the contract drawings.

Depending on confirmatory sampling results, excavations will be deepened and/or widened as necessary to remove additional impacted soil. Every effort will be made to minimize unnecessary vertical and lateral over excavation beyond the limits of impacted soil.

3.6. ON-SITE MATERIAL STORAGE

ESG will construct a stockpile storage area for the stockpile/staging of impacted soils if necessary. ESG will perform maintenance and dewatering of stockpiled soils as needed. The stockpiled soil will be covered daily with a minimum of 6 mil polyethylene.

All materials delivered to the site will be staged onsite in accordance with the contract documents. Due to the size and area of the project material storage will be kept to a minimum not to impede daily construction activities.

ESG shall be responsible for transportation and disposal of project related waste as described in the Contract Documents.

3.7. DECONTAMINATION PROCEDURES

ESG will construct a decontamination pad at an appropriate area. The location of the decontamination pad will be approved by the Engineer prior to construction. ESG will clear the area utilizing a bulldozer and scrape the surface material to create twenty four inch high berms around the perimeter. The Decon pad will be 50' X 20'to accommodate the largest vehicles that will be hauling waste offsite. After the perimeter is established ESG will place geotextile fabric across the entire area overlain by 60 mil HDPE liner, with 2"x10" wood timbers for wheel tracks as depicted on figure 2 (Typical Decontamination Pad Details). Temporary decontamination pads to decontaminate heavy equipment or parts of heavy equipment (e.g., excavator bucket) will be established at a specific work area during the project as necessary. ESG will pressure wash clean the equipment and trucks prior to leaving any contaminated zone as needed. All rinse water generated by equipment decontamination activities shall be collected and treated to meet discharge standards prior to being discharged onsite or disposed offsite.

4. BORROW MATERIALS

Off-site borrow material will be obtained for construction purposes. Off site material shall meet the requirements in the Specifications Section 00201 - Backfill and Compaction and sampled according to table 5.4(e)10 in NYSDER-10.

4.1. OFF-SITE BORROW SOURCES

For the BLCP Parcel 4 Site the following materials will be imported from:

Common Fill Source: (TBD)

Topsoil Source: (TBD)

Aggregate Source: (TBD)

5. TRANSPORTATION AND OFF-SITE DISPOSAL

5.1. TRANSPORTATION

All non-hazardous and hazardous contaminated waste material approved for off-site disposal shall be transported by a qualified trucking company with an appropriate NYSDEC Part 364 Solid Waste Transporter permit.

Transportation of non-hazardous contaminated soil:

Mallare Enterprises
174 North Ellicott Creek Rd
Amherst NY 14228

A copy of Mallare Enterprise NYSDEC Transportation Permit is provided as Attachment 2.

The Environmental Service Group (NY) Inc.
177 Wales Avenue
Tonawanda NY 14150

A Copy of ESG's NYSDEC Transportation Permit is provided as Attachment 3.

Transportation of Hazardous contaminated soil:

Page Trucking Page Transportation, Inc.
Page E.T.C. Inc.
Exit 40 Truck and Trailer Services

2758 Trombley Rd,P.O. Box 920
Weedsport, NY 13166

A copy of Page Trucking NYSDEC Transportation Permit is provided as Attachment 4.

5.2. OFF-SITE DISPOSAL FACILITIES

All waste that requires off-site disposal will be disposed of at a permitted facility approved by the Engineer. The permits for anticipated off-site disposal facilities are provided in Attachment 5.

Proposed Non-Hazardous Solid Waste Disposal Facilities:

WM Chaffee Landfill
10860 Olean Rd
Chaffee, NY 14030
Permit No.: 9-1462-00001/00006

Allied Waste
5600 Niagara Falls Blvd.
Niagara Falls, NY 14304
Permit No.: 9-2911-00119/00005

Proposed Hazardous Solid Waste Disposal Facilities:

US Ecology Canton (Metals Contaminated soil)
2050 Central Avenue
Canton, OH 44707
Phone: (330) 456-6238 or (330) 456-0665
Fax: (330) 456-2801
EPAID# OHD980568992

US Ecology Michigan
49350 North I-94 Service Drive
Belleville, MI 48111
Phone: (800) 592-5489
Fax: (800) 592-5329
EPAID# MID000724831 (Treatment) - Treatment (micro-encapsulation for metals contaminated debris)
EPAID# MID048090633 (Landfill) - RCRA/TSCA/NORM Landfill (PCB Soil)

6. SITE RESTORATION

The restoration of all disturbed site surfaces and establishment of vegetation at the BLCP Parcel 4 shall commence immediately upon excavation analytical clearance results and the engineer's written approval of completed remedial activities.

COMMON FILL

Common fill will used for backfill placed to the limits and depths shown on the contract documents and/or areas approved by the engineer. Imported common fill shall meet the contract specifications section 00201-Backfill and Compaction NYSDOT specification 304.14.

GRASS SEEDING AND TOPSOIL

TOPSOIL

Six inches of topsoil will be placed over all areas disturbed needing topsoil. These areas will be leveled and graded to the elevations shown on the contract drawings page 16 of 20 thus producing natural slopes with the surrounding landscape. Topsoil will be shipped from an outside supplier as needed. The imported topsoil's contents shall meet the contract specification section 00201-Backfill and Compaction.

SEEDING, MULCHING, FERTILIZER

Upon spreading topsoil the application of grass seed, mulch and fertilizer will be accomplished utilizing a hydro seeder system. Seed tags and fertilizer specifics will be submitted and approved by the engineer prior to usage. The application of grass seed shall meet the contract specification section 00203 – Seed and Mulch.

ASPHALT

ESG will install asphalt binder and top course with adequate course aggregate under binder course to match grade line of existing pavement..

Mix designs, methods of installation and testing will meet or exceed contract specific in section 02502, Section 02576, and the Design Drawings.

FENCING

The site perimeter fence will be inspected and repaired daily for any damage. It is the intent to use the onsite perimeter fence for the duration of construction activities. The east side fence will be removed and reinstalled 30' to the west. Additional temporary chain link fence will be installed as depicted on the contract documents.

7. CONFIRMATORY, DOCUMENTATION SAMPLING AND LABORATORY ANALYSIS

To be performed by ESG in accordance with the provided SAP, QAPP and specification set forth in the contract documents Section 00013 - Sampling.

8. SPILL CONTINGENCY PLAN

Operations and Management – Site personnel are trained as to the proper operation and maintenance practices of all applicable on-site equipment. Maintenance personnel have specialized training in regard to the maintenance of mechanical equipment.

Loading/Unloading Procedures – Site personnel involved in the loading and unloading of petroleum products have training that addresses the safe and proper procedures for loading/unloading.

Inspection Procedures – Site personnel are trained as to the proper inspection practices required to perform the activities. All personnel are trained to identify a spill potential or spill event.

Spill Response Procedures – Site personnel are trained as to the proper approach and procedures that the site will undertake when responding to a spill of a petroleum product.

Prompt response to a spill is the best means of minimizing any impact to the environment and in particular, preventing a discharge from reaching waters of the Unites States. In the event of a spill of a petroleum product, the employee first becoming aware of the spill will assume the role of temporary SCP Coordinator until he/she can notify the primary SCP Coordinator. If the temporary SCP coordinator is unable to notify either the primary SCP Coordinator or any of the SCP Coordinator backups, as identified in Section 2 of this report, then he/she will assume the responsibility of implementing the emergency SCP procedures that follow, provided that he/she has been trained in the appropriate health and safety procedures and in the implementation of this SCP. If the temporary SCP Coordinator has not been properly trained in the appropriate health and safety procedures and in the implementation of this SCP Plan, and cannot notify the primary spill coordinator or one of the spill coordinator backups, he/she shall immediately contact a spill response contractor. The spill response contractor for this site is The Environmental Service Group (Inc., NY) located in Tonawanda, NY. (Phone number - 716-695-6720).

Assessment of Hazard

1. Upon notification of a petroleum-related spill, the SCP Coordinator will determine the hazard potential of a spill response by determining at least the following factors:

    A. The substance spilled and its hazard potential;
    B. The amount of the spill and the extent of spreading;
    C. The source of the leakage/spill.

2. Where appropriate, the SCP Coordinator shall consult with the site Safety Manager to determine the potential hazard to employees and to the surrounding public from the substance spilled.

3. If a spill is determined to be of such a magnitude that it cannot be safely and effectively controlled by facility personnel, then the coordinator shall

promptly notify outside emergency response agencies to implement control and clean-up.

Secure Spill Response and Personal Protective Equipment

1. Upon determining the hazard potential for the planned response action, the SCP Coordinator shall direct those who will respond to the spill to obtain the appropriate response equipment and personal protective equipment.

2. Employees will not be issued spill response equipment or personal protective equipment (PPE) without having been trained on its proper use and limitations.

Containment and Eliminating Spill Source

1. Upon obtaining the proper spill response tools and PPE, the spill responder(s) shall first attempt to contain the spill so as to prevent its entry into a storm sewer, a ditch or any conveyance that eventually discharges to the waters of the United States or offsite. Examples of equipment and media that can be used to contain spills include sand, speedy dry, straw bales, and sorbent pillows/booms.

2. At the same time as containment is being performed or as soon as possible after containment, the spill responder(s) shall attempt to seal or otherwise stop the source of the spill. Common methods of eliminating a spill source include closing valves, leak-stopping compound for pinhole leaks, drum overpacks, deactivating pumps, and diverting flow to another pathway. As long as this pathway does not allow the spill to enter navigable waters of the United States or adjoining shorelines.

Spill Clean-Up and Mitigation of Environmental Impacts

1. Once the spill is contained and the source eliminated, the spill responders shall collect the spilled material by the appropriate manner and place the material into secure containers.

2. The area or surface in contact with the spilled material shall be decontaminated by an appropriate method that is permissible under local, state and federal laws. The specific method used will depend upon the substance, the availability of permitted sewer discharge to a POTW, regulatory standards applicable to hazardous and toxic wastes, and other factors. The SCP Coordinator will select the appropriate decontamination method after determining the applicable facts and by conferring either with the regulators or an expert in the subject of spill response.

3. All spill material and debris will be managed in a manner that fully complies with applicable local, state and federal laws regarding recycling or disposal of wastes. The preferred method it o recycle or reclaim materials from spills in an effort to minimize waste generation. Where this is not feasible or allowed, then disposal in accordance with applicable local, state, or federal rules will be done.

Spill Documentation

1. Once the SCP Coordinator has been notified of a spill or release, the individual will begin documenting the incident. Documentation will be maintained along with the routine inspection sheets for the affected area. The spill report form included shall be utilized for documentation of the incident and include at a minimum the names of employees involved with the spill number, date of waste disposal, and waste disposal manifests.

Notification of Company and Governmental Agents

1. Any spill of oil substance shall be reported immediately to the SCP Coordinator or the alternate SCP Coordinator by the employee who first notices the spill.

   The primary SCP Coordinator or in his/her absence, the SCP Coordinator backup shall notify the appropriate governmental authorities whenever a spill exceeds the reportable quantities (RQ) required under state or federal law/regulations or the spill becomes a discharge. In accordance with the NYSDEC Spill Guidance Manual (SGM), petroleum spills must be reported to the NYSDEC unless they meet all of the following criteria:

   - The spill is known to be less than 5 gallons; and
   - The spill is contained and under the control of the spiller; and
   - The spill has not and will not reach the State's water or any land; and
   - The spill is cleaned up within 2 hours of discovery.

All reportable spills at the site are to be reported to the NYSDEC at 800-457-7362.

9. DEWATERING PLAN

ESG will mobilize and setup an onsite water treatment facility utilizing up to Three 20,000 Gallon frac tanks initially to store water generated from construction activities. ESG will install sumps in the excavation constructed with stone and perforated pipe for placement of 2" pump. The excavation will be pumped into the storage tanks for treatment. The system will be equipped with a 20 micron pre filter and a 5 micron polishing filter to remove any remaining particulates prior to onsite discharge. Sampling will occur at every 7,000 gallons of water collected and measured by an inline flow meter. Collected water shall be analyzed in accordance with the City of Buffalo Discharge Permit. Treated water shall not be discharged without prior approval of the Engineer. Additional related waste streams including contaminated sediment and spent bag filters shall be appropriately managed as Described in Contract Documents Section 00015 - Off-Site Transportation and Disposal.

It is not known how much water will be generated in the course of dewatering and excavation of the areas. However, the major source of water is anticipated to be from groundwater, and decontamination procedures. In order to minimize the volume of water from open excavations, backfilling operations will be conducted in each area as soon as possible. The onsite water treatment system will be integrated into the construction activities to treat water generated during remediation. Sources of water include, but are not limited to:

- Groundwater from excavation(s);
- Dewatering from stockpiled contaminated soils:
- Decontamination water and water from other miscellaneous sources.

Water from the above sources is expected to contain the contaminate of concern (metals, CN, Hexavalant Chromium and SVOCs) which must be removed prior to discharge to an onsite location. The location of the treatment system is presented in the Site Plan Setup drawing Figure 1. The treatment system will include (but may not be limited to) the following major components or any combination of:

- Settling Tank(s) for Clarification;
- Bag Filtration;
- Transfer pumps.

The design maximum effluent discharge from the water treatment system is 100 gallons per minute (gpm). To the greatest extent possible, water as a result of precipitation will be prevented from entering open excavations by using diversion methods. Any water that enters an open excavation will be handled as contaminated water requiring treatment prior to discharge. Water that collects in the excavations as a result of groundwater intrusion shall be pumped from excavations to the storage tanks as necessary when it impedes excavation or sampling, or affects the ability to achieve compaction of backfill soils. Where necessary a series of intermediate sumps will be utilized to collect the water from excavation cells. Water will then be pumped to the storage tanks in the most efficient manner possible. ESG is anticipating that 2" submersible pumps with 2" hoses will be sufficient to dewater the excavations. If additional pumping capacity is required ESG will add additional sumps with 2" pumps or larger as necessary.

9.1. Equipment Decontamination Water

Water utilized for decontamination of equipment shall be supplied by potable water from an offsite source, or treated water from dewatering excavations.
Portable decontamination stations to decontaminate heavy equipment or parts of heavy equipment (e.g., excavator bucket) will be established at a specific work area during the project. **A** permanent decontamination station will be set up at the exit of the site to decontaminate haul vehicles, if required, that are transporting contaminated soils from the site to offsite disposal facilities. Water generated by equipment decontamination activities shall be treated to meet discharge standards prior to being discharged onsite provided that treated water has been tested and approved by the Engineer.

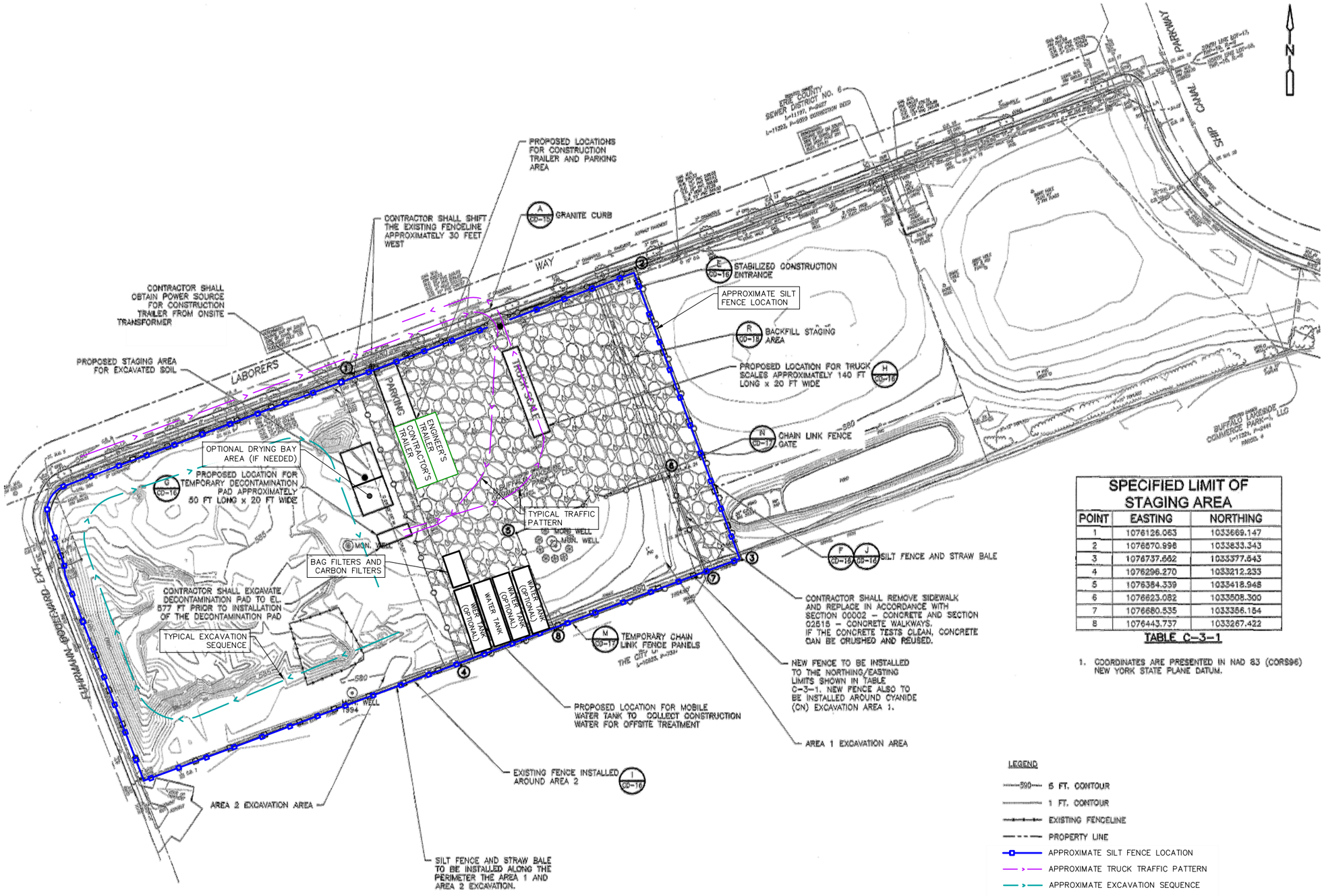
9.2. Personnel Decontamination Water

Water shall be potable water supplied from onsite source. Potable water shall be stored onsite in a small poly tank and be readily available in designated areas where personnel decontamination will occur. Each local personnel decontamination area will have drums for storing used personnel protective equipment (PPE), tubs for washing and rinsing boots, and new PPE. Water resulting from personnel decontamination activities shall be collected, treated on site, and properly discharged.

Figure 1

The Environmental Service Group (NY) Inc.

Site Setup Plan



SPECIFIED LIMIT OF STAGING AREA

POINT	EASTING	NORTHING
1	1076126.063	1033669.147
2	1076570.998	1033833.343
3	1076737.552	1033377.543
4	1076296.270	1033212.233
5	1076384.339	1033418.948
6	1076623.082	1033508.300
7	1076680.535	1033356.184
8	1076443.737	1033267.422

TABLE C-3-1

1. COORDINATES ARE PRESENTED IN NAD 83 (CORS96) NEW YORK STATE PLANE DATUM.

LEGEND

- 590 — 5 FT. CONTOUR
- 1 FT. CONTOUR
- EXISTING FENCELINE
- PROPERTY LINE
- APPROXIMATE SILT FENCE LOCATION
- APPROXIMATE TRUCK TRAFFIC PATTERN
- APPROXIMATE EXCAVATION SEQUENCE

IT IS A VIOLATION OF THE NEW YORK STATE EDUCATION LAW, ARTICLE 145 SECTION 7209, FOR ANY PERSON, UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER OR LAND SURVEYOR TO ALTER AN ITEM IN ANY WAY.

NO.	REVISION	BY	DATE

esg The Environmental Service Group
The total services approach to material management
177 WALES AVENUE
TONAWANDA, NY 14150
PHONE (716) 695-6720
FAX (716) 695-0161

CLIENT: NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SITE: BUFFALO LAKESIDE COMMERCE PARK
CITY OF BUFFALO
COUNTY OF ERIE
STATE OF NEW YORK

PROJECT: BUFFALO LAKESIDE COMMERCE PARK REMEDIAL CONTRACT NO. D009346

TITLE: SITE SETUP PLAN

ISSUE: REVIEW

DES:	DRN:	CHK:
AMW	AMW	BRH

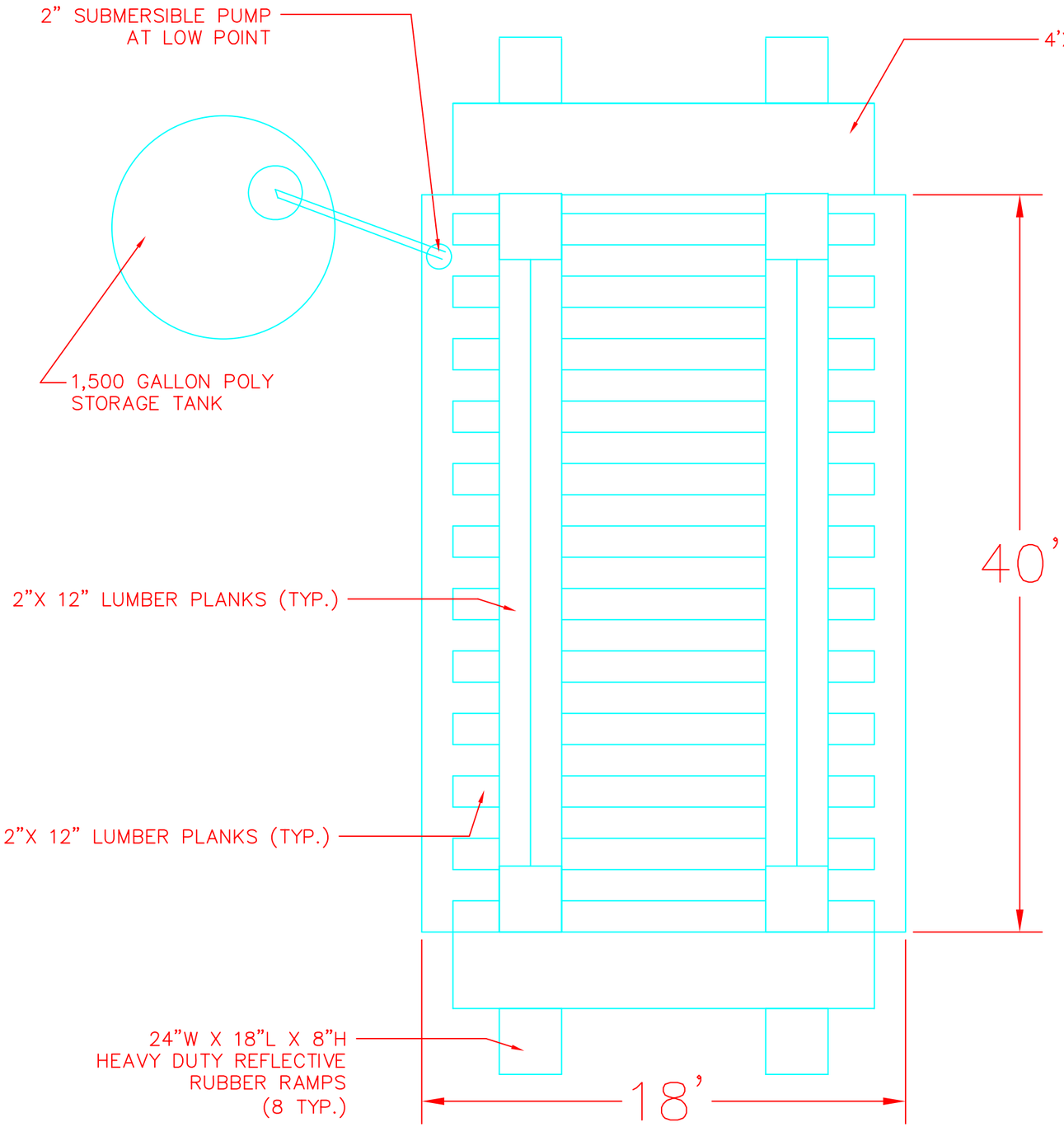
PROJECT NO: 02-8888-103
DATE: JANUARY 2017
GRAPHIC SCALE: 0' 80' 160'
FILE: SITE SETUP PLAN.dwg
REV NO: 0
SHEET NO: 1

C:\Users\awellington\Documents\EnSol Projects\ESG-Buffalo Lakeside\SITE SETUP PLAN.dwg, 3/21/2017 8:52:31 PM

Figure 2

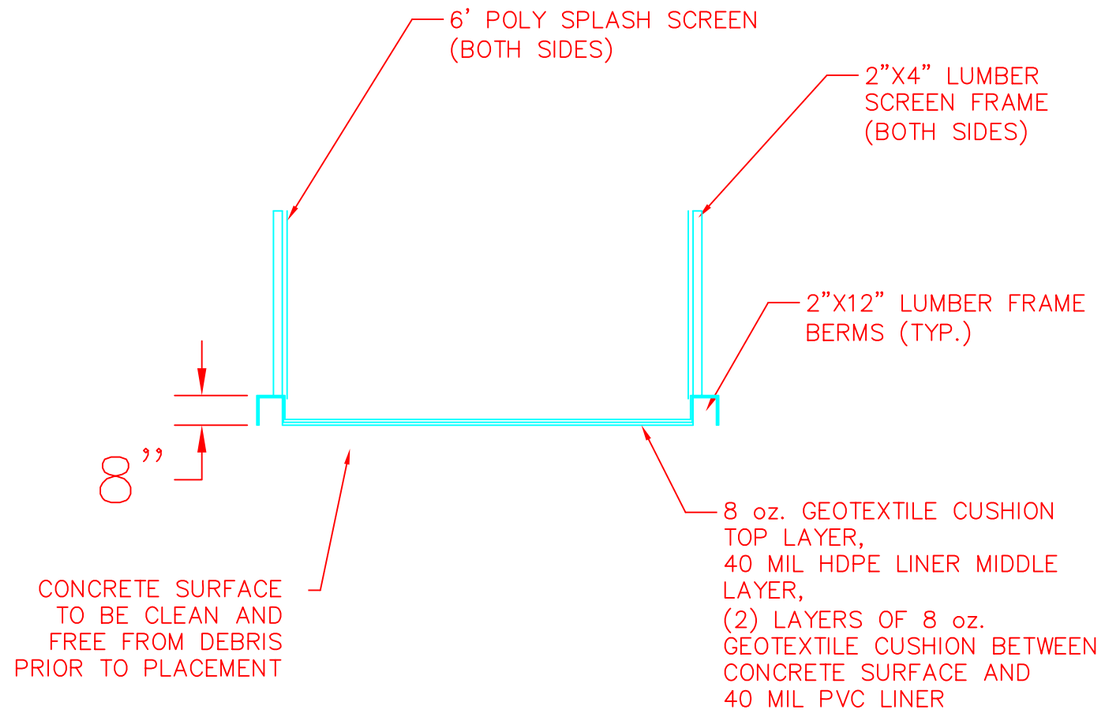
The Environmental Service Group (NY) Inc.

Typical Decontamination Pad Details



DECON PAD PLAN VIEW

Not to scale



DECON PAD SECTION

Not to scale

Typical Decontamination Pad Details

Buffalo Lakeside Commerce Park Parcel 4 Site

New York State Dept. of Conservation

NYSDEC Site No. 925193A Contract No.: D009346

The Environmental Service Group (NY) Inc.
177 Wales Ave.
Tonawanda, NY 14150
PHONE (716) 695-6720
FAX (716) 695-0161

FIGURE 2

03/23/17

PN: DEC-04

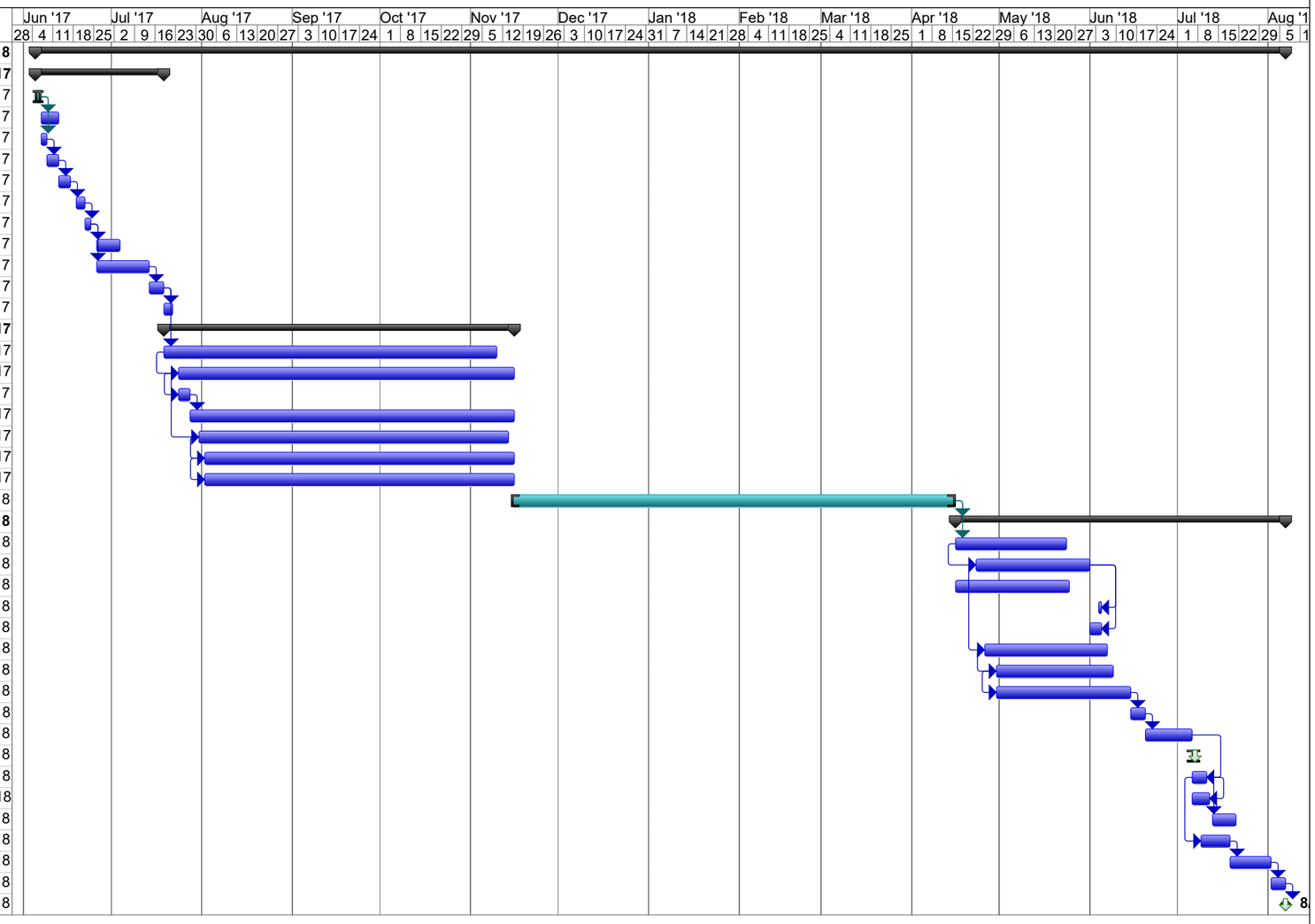
Attachment 1

The Environmental Service Group (NY) Inc.

Preliminary Project Schedule

NYSDEC
Buffalo Lakside Commerce Park (BLCP) Parcel 4
Site No. 915193A
Contract No. D009346
Preliminary Project Schedule

ID	Task Name	Duration	Start	Finish
1	**Buffalo Lakeside Commerce Park Parcel 4**	**306 days**	**Mon 6/5/17**	**Mon 8/6/18**
2	**Mobilization -Site Prep**	**32 days**	**Mon 6/5/17**	**Tue 7/18/17**
3	Mobilize to site	2 days	Mon 6/5/17	Tue 6/6/17
4	Survey Construction Layout	4 days	Wed 6/7/17	Mon 6/12/17
5	Setup Office Trailer	2 days	Wed 6/7/17	Thu 6/8/17
6	Setup Personal Hygiene Facility	2 days	Fri 6/9/17	Mon 6/12/17
7	Setup Temporary Construction Fence	4 days	Tue 6/13/17	Fri 6/16/17
8	Install portable scale	3 days	Mon 6/19/17	Wed 6/21/17
9	Install Decon Pad	2 days	Thu 6/22/17	Fri 6/23/17
10	Clearing and Grubbing	6 days	Mon 6/26/17	Mon 7/3/17
11	Staging Area (Backfill 7,000 cy)	14 days	Mon 6/26/17	Thu 7/13/17
12	Setup and Establish EZ and CRZ Zones	3 days	Fri 7/14/17	Tue 7/18/17
13	Well Decommissioning	3 days	Wed 7/19/17	Fri 7/21/17
14	**Phase I**	**86 days**	**Wed 7/19/17**	**Wed 11/15/17**
15	I-Waste Characterization Sampling (70 ea.)	82 days	Wed 7/19/17	Thu 11/9/17
16	I-Excavation (58,000 cy)	83 days	Mon 7/24/17	Wed 11/15/17
17	I-Hazardous Soil T & D (2,000 tn)	4 days	Mon 7/24/17	Thu 7/27/17
18	I-Non-Haz Soil T & D (66,000 tn)	79 days	Fri 7/28/17	Wed 11/15/17
19	I-Confirmatory Sampling (292 ea.)	76 days	Mon 7/31/17	Mon 11/13/17
20	I-Nonwoven Filter Fabric	76 days	Wed 8/2/17	Wed 11/15/17
21	I-Backfill (43,000 cy)	76 days	Wed 8/2/17	Wed 11/15/17
22	Winter Shut down	109 days	Wed 11/15/17	Sun 4/15/18
23	**Phase II**	**81 days**	**Mon 4/16/18**	**Mon 8/6/18**
24	II-Waste Characterization Sampling (20 ea.)	28 days	Mon 4/16/18	Wed 5/23/18
25	II-Excavation (17,000 cy)	29 days	Mon 4/23/18	Thu 5/31/18
26	II-Non-Haz Soil T & D (19,000 tn)	29 days	Mon 4/16/18	Thu 5/24/18
27	Non-Haz Tire T & D (125 ea.)	1 day	Mon 6/4/18	Mon 6/4/18
28	Non-Haz C&D T&D (500 tn)	2 days	Fri 6/1/18	Mon 6/4/18
29	II-Confirmatory Sampling (88 ea.)	30 days	Thu 4/26/18	Wed 6/6/18
30	II-Nonwoven Filter Fabric	30 days	Mon 4/30/18	Fri 6/8/18
31	II-Backfill (22,100 cy)	34 days	Mon 4/30/18	Thu 6/14/18
32	Monitoring Well Installation	3 days	Fri 6/15/18	Tue 6/19/18
33	Hydroseeding (256,000 sf)	12 days	Wed 6/20/18	Thu 7/5/18
34	Substantial Completion	1 day	Fri 7/6/18	Fri 7/6/18
35	Concrete Curb	3 days	Fri 7/6/18	Tue 7/10/18
36	Sidewalk Repairs	4 days	Fri 7/6/18	Wed 7/11/18
37	Asphalt Repairs	6 days	Fri 7/13/18	Fri 7/20/18
38	Landscaping and Lightpoles Repair	8 days	Mon 7/9/18	Wed 7/18/18
39	Restoration and Cleanup	10 days	Thu 7/19/18	Wed 8/1/18
40	Demobilization	3 days	Thu 8/2/18	Mon 8/6/18
41	Final Completion	0 days	Mon 8/6/18	Mon 8/6/18



Project: NYSDEC BLCP Parcel 4
Preliminary Project Schedule
Date: Mon 1/23/17

Task	Project Summary	Inactive Milestone	Manual Summary Rollup	Progress	
Split	External Tasks	Inactive Summary	Manual Summary	Deadline	
Milestone	External Milestone	Manual Task	Start-only		
Summary	Inactive Task	Duration-only	Finish-only		

Attachment 2

The Environmental Service Group (NY) Inc.

Mallare Enterprises Trucking Transporter Permits

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF MATERIALS MANAGEMENT

PART 364
WASTE TRANSPORTER PERMIT NO. 9A-738

Pursuant to Article 27 ,Titles 3 and 15 of the Environmental Conservation Law and 6 NYCRR 364

PERMIT ISSUED TO:

MALLARE ENTERPRISES, INC./DBA E & R WILLIAMS
174 NORTH ELLICOTT CREEK ROAD
AMHERST, NY 14228

PERMIT TYPE:

☐ NEW
■ RENEWAL
☐ MODIFICATION

CONTACT NAME: JAMES MALLARE, JR
COUNTY: ERIE
TELEPHONE NO: (716)691-8001

EFFECTIVE DATE: 05/20/2016
EXPIRATION DATE: **05/19/2017**
US EPA ID NUMBER:

AUTHORIZED WASTE TYPES BY DESTINATION FACILITY:
The Permittee is Authorized to Transport the Following Waste Type(s) to the Destination Facility listed :

Destination Facility	Location	Waste Type(s)	Note
Allied Waste Niagara Falls Landfill	Niagara Falls , NY	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
Chaffee Landfill	Sardinia , NY	Non-Hazardous Industrial/Commercial Asbestos Petroleum Contaminated Soil Sludge from Sewage or Water Supply Treatment Plant	
Chautauqua Landfill	Ellery , NY	Non-Hazardous Industrial/Commercial Asbestos Petroleum Contaminated Soil Waste Tires Sludge from Sewage or Water Supply Treatment Plant	
High Acres Western Expansion Landfill	Fairport , NY	Non-Hazardous Industrial/Commercial Asbestos Petroleum Contaminated Soil Sludge from Sewage or Water Supply Treatment Plant	
Hyland Landfill	Angelica , NY	Asbestos	
Modern Landfill	Model City , NY	Non-Hazardous Industrial/Commercial Asbestos Petroleum Contaminated Soil Waste Tires	

*** AUTHORIZED WASTE TYPES BY DESTINATION FACILITY LISTING (continued on next page) ***

NOTE: By acceptance of this permit, the permittee agrees that the permit is contingent upon strict compliance with the Environmental Conservation Law, all applicable regulations, and the General Conditions printed on the back of this page.

ADDRESS: New York State Department of Environmental Conservation
Division of Materials Management - Waste Transporter Program
625 Broadway, 9th Floor
Albany, NY 12233-7251

AUTHORIZED SIGNATURE: _____ Date: 04/01/16

NOTICE

This permit is not valid until the effective date listed on the permit

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF MATERIALS MANAGEMENT

PART 364
WASTE TRANSPORTER PERMIT NO. 9A-738

Pursuant to Article 27 ,Titles 3 and 15 of the Environmental Conservation Law and 6 NYCRR 364

PERMIT ISSUED TO:

MALLARE ENTERPRISES, INC./DBA E & R WILLIAMS
174 NORTH ELLICOTT CREEK ROAD
AMHERST, NY 14228

PERMIT TYPE:

☐ NEW
■ RENEWAL
☐ MODIFICATION

CONTACT NAME: JAMES MALLARE, JR
COUNTY: ERIE
TELEPHONE NO: (716)691-8001

EFFECTIVE DATE: 05/20/2016
EXPIRATION DATE: **05/19/2017**
US EPA ID NUMBER:

AUTHORIZED WASTE TYPES BY DESTINATION FACILITY: (Continued)
The Permittee is Authorized to Transport the Following Waste Type(s) to the Destination Facility listed :

Destination Facility	Location	Waste Type(s)	Note
Modern Landfill	Model City , NY	Sludge from Sewage or Water Supply Treatment Plant	
NOCO Energy Corporation-Tonawanda	Tonawanda , NY	Petroleum Contaminated Soil	
North Youngmann Commerce Center	Tonawanda , NY	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	

WASTE TRANSPORTER PERMIT

GENERAL CONDITIONS

The permittee must:

1. Carry a copy of this waste transporter permit in each vehicle to transport waste. Failure to produce a copy of the permit upon request is a violation of the permit.

2. Display the full name of the transporter on both sides of each vehicle and display the waste transporter permit number on both sides and rear of each vehicle containing waste. The displayed name and permit number must be in characters at least three inches high and of a color that contrasts sharply with the background.

3. Transport waste only in authorized vehicles. An authorized vehicle is one that is listed on this permit.

4. Submit to the Department a modification application for additions/deletions to the authorized fleet of vehicles. The permittee must wait for a modified permit before operating the vehicles identified in the modification application.

5. Submit to the Department a modification application to add a new waste category or a new destination facility, or to change the current waste or destination facility category. The permittee must wait for a modified permit before transporting new waste types or transporting to new destination facilities.

6. Submit to the Department a modification application for change of address or company name.

7. Comply with requirements for placarding and packaging as set forth in New York State Transportation Law as well as any applicable federal rules and regulations.

8. Contain all wastes in the vehicle so there is no leaking, blowing, or other discharge of waste.

9. Use vehicles to transport only materials not intended for human or animal consumption unless the vehicle is properly cleaned.

10. Comply with requirements for manifesting hazardous waste, regulated medical waste, or low-level radioactive waste as set forth in the New York State Environmental Conservation Law and the implementing regulations. Transporters who provide a pre-printed manifest to a generator/shipper/ offeror of regulated waste shall ensure that all information is correct and clearly legible on all copies of the manifest.

11. Deliver waste only to transfer, storage, treatment and disposal facilities authorized to accept such waste. Permittee must demonstrate that facilities are so authorized if requested to do so.

12. Maintain liability insurance as required by New York State Environmental Conservation Law.

13. Maintain records of the amount of each waste type transported to each destination facility on a calendar-year basis. The transporter is obligated to provide a report of this information to the Department at the time of permit renewal, or to any law enforcement officer, if requested to do so.

14. Pay regulatory fees on an annual basis. Non-payment may be cause for revocation or suspension of permit.

15. This permit is not transferrable. A change of ownership will invalidate this permit.

16. This permit does not relieve the permittee from the obligation to obtain any other approvals or permits, or from complying with any other applicable federal, state, or local requirement.

17. **Renewal applications must be submitted no less than 30 days prior to the expiration date of the permit to:**

New York State Department of Environmental Conservation
Division of Materials Management, Waste Transporter Program
625 Broadway, 9th Floor
Albany, NY 12233-7251

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF MATERIALS MANAGEMENT

PART 364
WASTE TRANSPORTER PERMIT NO. 9A-738

Pursuant to Article 27 ,Titles 3 and 15 of the Environmental Conservation Law and 6 NYCRR 364

PERMIT ISSUED TO:

MALLARE ENTERPRISES, INC./DBA E & R WILLIAMS
174 NORTH ELLICOTT CREEK ROAD
AMHERST, NY 14228

PERMIT TYPE:

☐ NEW
■ RENEWAL
☐ MODIFICATION

CONTACT NAME:	JAMES MALLARE, JR	EFFECTIVE DATE:	05/20/2016
COUNTY:	ERIE	EXPIRATION DATE:	**05/19/2017**
TELEPHONE NO:	(716)691-8001	US EPA ID NUMBER:	

AUTHORIZED VEHICLES:
The Permittee is Authorized to Operate the Following Vehicles to Transport Waste:

(Vehicles enclosed in <>'s are authorized to haul Residential Raw Sewage and/or Septage only)

17 (Seventeen) Permitted Vehicle(s)

NY 27917MC
NY 27918MC
NY 29763JW
NY 38643JY
NY 39267MC
NY 39646JZ
NY 39754ME
NY 39767ME
NY 43005MD
NY 47458MB
NY 59604KA
NY 59633KA
NY 64543MG
NY 79752MC
NY 79883MC
NY 98859MH
NY BC78094
End of List

Attachment 3

The Environmental Service Group (NY) Inc.

ESG Transporter Permit

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF MATERIALS MANAGEMENT

PART 364
WASTE TRANSPORTER PERMIT NO. 9A-324

Pursuant to Article 27 ,Titles 3 and 15 of the Environmental Conservation Law and 6 NYCRR 364

PERMIT ISSUED TO:

THE ENVIRONMENTAL SERVICE GROUP (NY), INC.
177 WALES AVENUE
TONAWANDA, NY 14150

PERMIT TYPE:

☐ NEW
☐ RENEWAL
■ MODIFICATION

CONTACT NAME:	JULIAN MASTROPOLL	EFFECTIVE DATE:	09/14/2016
COUNTY:	ERIE	EXPIRATION DATE:	**07/31/2017**
TELEPHONE NO:	(716)695-6720	US EPA ID NUMBER:	NYD986903904

AUTHORIZED WASTE TYPES BY DESTINATION FACILITY:

The Permittee is Authorized to Transport the Following Waste Type(s) to the Destination Facility listed :

Destination Facility	Location	Waste Type(s)	Note
ADVANCED RECYCLING TECHNOLOGY	CHAMBERSBURG , PA	Non-Hazardous Industrial/Commercial Hazardous Industrial/Commercial	
ADVANCED WASTE SERVICES OF PA	NEW CASTLE , PA	Non-Hazardous Industrial/Commercial	
AGMET METALS, INC.	OAKWOOD VILLAGE , OH	Non-Hazardous Industrial/Commercial Hazardous Industrial/Commercial	
Allied Waste Niagara Falls Landfill	Niagara Falls , NY	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
American Recyclers Transfer Station	Tonawanda , NY	Non-Hazardous Industrial/Commercial Waste Tires Waste Oil	
BIRD ISLAND WWTP	BUFFALO , NY	Non-Hazardous Industrial/Commercial	
Chaffee Landfill	Sardinia , NY	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
Chautauqua Landfill	Ellery , NY	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
CHEMICAL SOLVENTS, INC.	CLEVELAND , OH	Non-Hazardous Industrial/Commercial Hazardous Industrial/Commercial	
CHEMTRON CORPORATION	AVON , OH	Hazardous Industrial/Commercial	
CLEAN HARBORS PPM, LLC	TWINSBURG , OH	Non-Hazardous Industrial/Commercial Hazardous Industrial/Commercial	

*** AUTHORIZED WASTE TYPES BY DESTINATION FACILITY LISTING (continued on next page) ***

NOTE: By acceptance of this permit, the permittee agrees that the permit is contingent upon strict compliance with the Environmental Conservation Law, all applicable regulations, and the General Conditions printed on the back of this page.

ADDRESS: New York State Department of Environmental Conservation
Division of Materials Management - Waste Transporter Program
625 Broadway, 9th Floor
Albany, NY 12233-7251

AUTHORIZED SIGNATURE: _____ Date: 09/12/16

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF MATERIALS MANAGEMENT

PART 364
WASTE TRANSPORTER PERMIT NO. 9A-324

Pursuant to Article 27 ,Titles 3 and 15 of the Environmental Conservation Law and 6 NYCRR 364

PERMIT ISSUED TO:

THE ENVIRONMENTAL SERVICE GROUP (NY), INC.
177 WALES AVENUE
TONAWANDA, NY 14150

CONTACT NAME: JULIAN MASTROPOLL
COUNTY: ERIE
TELEPHONE NO: (716)695-6720

PERMIT TYPE:

☐ NEW
☐ RENEWAL
■ MODIFICATION

EFFECTIVE DATE: 09/14/2016
EXPIRATION DATE: **07/31/2017**
US EPA ID NUMBER: NYD986903904

AUTHORIZED WASTE TYPES BY DESTINATION FACILITY: (Continued)
The Permittee is Authorized to Transport the Following Waste Type(s) to the Destination Facility listed :

Destination Facility	Location	Waste Type(s)	Note
Covanta Environmental Solutions LLC	Niagara , NY	Non-Hazardous Industrial/Commercial	
COVANTA INDIANAPOLIS, INC.	INDIANAPOLIS , IN	Non-Hazardous Industrial/Commercial	
Covanta Niagara, L.P.	Niagara Falls , NY	Non-Hazardous Industrial/Commercial	
CWM CHEMICAL SERVICES LLC	MODEL CITY , NY	Non-Hazardous Industrial/Commercial Hazardous Industrial/Commercial	
ENVIRONMENTAL ENTERPISES, INC.	CINCINNATI , OH	Non-Hazardous Industrial/Commercial Hazardous Industrial/Commercial	
EQ DETROIT	DETROIT , MI	Non-Hazardous Industrial/Commercial Hazardous Industrial/Commercial	
EQ OF CANTON (FORM. ENVIRITE OF OHIO, INC.)	CANTON , OH	Non-Hazardous Industrial/Commercial Hazardous Industrial/Commercial	
FRANK E. VAN LARE WWTP	ROCHESTER , NY	Non-Hazardous Industrial/Commercial	
Geiter Done of WNY, Inc	Buffalo , NY	Waste Tires	
GENERAL ENVIRONMENTAL MANAGEMENT	CLEVELAND , OH	Non-Hazardous Industrial/Commercial Hazardous Industrial/Commercial Waste Oil	
HERITAGE THERMAL SERVICES - 10 DAY FACILITY	EAST LIVERPOOL , OH	Non-Hazardous Industrial/Commercial Hazardous Industrial/Commercial	
Industrial Oil Tank Used Oil Storage Facility	Oriskany , NY	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil Waste Oil	
INMETCO	ELLWOOD CITY , PA	Non-Hazardous Industrial/Commercial Hazardous Industrial/Commercial	
MICHIGAN DISPOSAL WTP	BELLEVILLE , MI	Non-Hazardous Industrial/Commercial Hazardous Industrial/Commercial	
Modern Landfill	Youngstown , NY	Non-Hazardous Industrial/Commercial	
NIAGARA FALLS (C) WWTP	NIAGARA FALLS , NY	Non-Hazardous Industrial/Commercial	
NOCO Energy Corporation-Tonawanda	Tonawanda , NY	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
NORTH TONAWANDA (C) WWTP	N. TONAWANDA , NY	Non-Hazardous Industrial/Commercial	
North Youngmann Commerce Center	Tonawanda , NY	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	

*** AUTHORIZED WASTE TYPES BY DESTINATION FACILITY LISTING (continued on next page) ***

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF MATERIALS MANAGEMENT

PART 364
WASTE TRANSPORTER PERMIT NO. 9A-324

Pursuant to Article 27 ,Titles 3 and 15 of the Environmental Conservation Law and 6 NYCRR 364

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THE ENVIRONMENTAL SERVICE GROUP (NY), INC.
177 WALES AVENUE
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PERMIT TYPE:

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CONTACT NAME: JULIAN MASTROPOLL
COUNTY: ERIE
TELEPHONE NO: (716)695-6720

EFFECTIVE DATE: 09/14/2016
EXPIRATION DATE: **07/31/2017**
US EPA ID NUMBER: NYD986903904

AUTHORIZED WASTE TYPES BY DESTINATION FACILITY: (Continued)
The Permittee is Authorized to Transport the Following Waste Type(s) to the Destination Facility listed :

Destination Facility	Location	Waste Type(s)	Note
NORTHWEST QUAD PW DIST #1	ROCHESTER , NY	Non-Hazardous Industrial/Commercial	
PETROCHEM	DETROIT , MI	Non-Hazardous Industrial/Commercial Hazardous Industrial/Commercial	
PETROMAX, LTD	CARNEGIE , PA	Waste Oil	
REPUBLIC ENVIRONMENTAL SYSTEMS (PA) INC.	HATFIELD , PA	Non-Hazardous Industrial/Commercial	
SABIN METAL CORPORATION	SCOTTSVILLE , NY	Non-Hazardous Industrial/Commercial Hazardous Industrial/Commercial	
TIER ENVIRONMENTAL, LLC	BEDFORD , OH	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil Hazardous Industrial/Commercial Waste Oil	
Tonawanda Terminals Corp.	Tonawanda , NY	Non-Hazardous Industrial/Commercial	
VEXOR TECHNOLOGY, INC	MEDINA , OH	Non-Hazardous Industrial/Commercial	
VICKERY ENVIRONMENTAL, INC.	VICKERY , OH	Hazardous Industrial/Commercial	
WASTE MANAGEMENT - VICKERY ENVIRONMENTAL, INC.	VICKERY , OH	Hazardous Industrial/Commercial	
WAYNE DISPOSAL, INC. - SITE #2 LANDFILL	BELLEVILLE , MI	Non-Hazardous Industrial/Commercial Hazardous Industrial/Commercial	

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■ MODIFICATION

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COUNTY:	ERIE	EXPIRATION DATE:	**07/31/2017**
TELEPHONE NO:	(716)695-6720	US EPA ID NUMBER:	NYD986903904

AUTHORIZED VEHICLES:

The Permittee is Authorized to Operate the Following Vehicles to Transport Waste:

(Vehicles enclosed in <>'s are authorized to haul Residential Raw Sewage and/or Septage only)

12 (Twelve) Permitted Vehicle(s)

IN 2295197
ME 1736974
ME 1741077
ME 2560132
NY 10649JW
NY 25131MG
NY 33302PA
NY 33303PA
NY 46829PC
NY 46830PC
NY 51233PC
NY AB32265
End of List

Attachment 4

The Environmental Service Group (NY) Inc.

Page Trucking Transporter Permit

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF MATERIALS MANAGEMENT

PART 364
WASTE TRANSPORTER PERMIT NO. 7A-296

Pursuant to Article 27 ,Titles 3 and 15 of the Environmental Conservation Law and 6 NYCRR 364

PERMIT ISSUED TO:

PAGE E.T.C ., INC.
P.O. BOX 1290
2758 TROMBLEY ROAD
WEEDSPORT, NY 13166

PERMIT TYPE:

☐ NEW
☐ RENEWAL
▣ MODIFICATION

CONTACT NAME: DONNA MAHANEY
COUNTY: CAYUGA
TELEPHONE NO: (315)834-6681

EFFECTIVE DATE: 09/11/2016
EXPIRATION DATE: **04/30/2017**
US EPA ID NUMBER: NYD986969947

AUTHORIZED WASTE TYPES BY DESTINATION FACILITY: (Continued)
The Permittee is Authorized to Transport the Following Waste Type(s) to the Destination Facility listed :

Destination Facility	Location	Waste Type(s)	Note
Allied Waste Niagara Falls Landfill	Niagara Falls , NY	Sludge from Sewage or Water Supply Treatment Plant	
AMERICAN ENVIRONMENTAL SERVICES	CALVERT CITY , KY	Non-Hazardous Industrial/Commercial Asbestos Petroleum Contaminated Soil Grease Trap Waste Hazardous Industrial/Commercial	
AMERICAN LANDFILL, INC.	WAYNESBURG , OH	Non-Hazardous Industrial/Commercial Asbestos Petroleum Contaminated Soil Waste Tires Grease Trap Waste Septage only (residential) Residential Raw Sewage including Portable Toilet Waste Non-Residential Raw Sewage or Sewage-Contaminated Wastes Sludge from Sewage or Water Supply Treatment Plant	
APEX ENVIRONMENTAL, LLC	AMSTERDAM , OH	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
ATHENS HOCKING RECLAMATION CTR	LOGAN , OH	Non-Hazardous Industrial/Commercial Asbestos	
AUBURN (C) STP	AUBURN , NY	Non-Hazardous Industrial/Commercial Septage only (residential) Residential Raw Sewage including Portable Toilet Waste	
Auburn Landfill No. 2	Auburn , NY	Non-Hazardous Industrial/Commercial Asbestos Petroleum Contaminated Soil	
Ava Landfill	Boonville , NY	Non-Hazardous Industrial/Commercial Asbestos Petroleum Contaminated Soil Sludge from Sewage or Water Supply Treatment Plant	
Bath Sanitary Landfill	Bath , NY	Non-Hazardous Industrial/Commercial	
BELLMAWR WATERFRONT DEVELOPMENT	BELLMAWR , NJ	Petroleum Contaminated Soil	
Bristol Hill SLF	Fulton , NY	Non-Hazardous Industrial/Commercial	

*** AUTHORIZED WASTE TYPES BY DESTINATION FACILITY LISTING (continued on next page) ***

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TELEPHONE NO:	(315)834-6681	US EPA ID NUMBER:	NYD986969947

AUTHORIZED WASTE TYPES BY DESTINATION FACILITY: (Continued)
The Permittee is Authorized to Transport the Following Waste Type(s) to the Destination Facility listed :

Destination Facility	Location	Waste Type(s)	Note
Bristol Hill SLF	Fulton , NY	Asbestos Petroleum Contaminated Soil Sludge from Sewage or Water Supply Treatment Plant	
BROOKE COUNTY LANDFILL	COLLIERS , WV	Non-Hazardous Industrial/Commercial Asbestos Waste Tires	
Broome County Landfill	Binghamton , NY	Non-Hazardous Industrial/Commercial Asbestos Petroleum Contaminated Soil Sludge from Sewage or Water Supply Treatment Plant	
CASIE ECOLOGY OIL SALVAGE INC	VINELAND , NJ	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil Hazardous Industrial/Commercial Waste Oil	
CAYUGA MILK INGREDIENTS WWTP	AUBURN , NY	Non-Hazardous Industrial/Commercial	
Chaffee Landfill	Sardinia , NY	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
Chautauqua Landfill	Ellery , NY	Non-Hazardous Industrial/Commercial Asbestos Petroleum Contaminated Soil	
CHEMICAL WASTE MANAGEMENT	EMELLE , AL	Non-Hazardous Industrial/Commercial Asbestos Petroleum Contaminated Soil Hazardous Industrial/Commercial Waste Oil	
Chemung County Sanitary Landfill	Chemung , NY	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil Sludge from Sewage or Water Supply Treatment Plant	
Chenango County Landfill	Norwich , NY	Non-Hazardous Industrial/Commercial Asbestos Sludge from Sewage or Water Supply Treatment Plant	
CLEAN EARTH OF CARTERET	CARTERET , NJ	Petroleum Contaminated Soil	

*** AUTHORIZED WASTE TYPES BY DESTINATION FACILITY LISTING (continued on next page) ***

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AUTHORIZED WASTE TYPES BY DESTINATION FACILITY: (Continued)
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Destination Facility	Location	Waste Type(s)	Note
CLEAN EARTH OF MARYLAND	HAGERSTOWN , MD	Petroleum Contaminated Soil	
CLEAN EARTH OF NEW CASTLE, INC.	NEW CASTLE , DE	Petroleum Contaminated Soil Sludge from Sewage or Water Supply Treatment Plant	
CLEAN EARTH OF NORTH JERSEY	KEARNY , NJ	Non-Hazardous Industrial/Commercial Asbestos Petroleum Contaminated Soil Hazardous Industrial/Commercial	
CLEAN EARTH OF PHILADELPHIA	PHILADELPHIA , PA	Petroleum Contaminated Soil	
CLEAN EARTH OF SOUTHEAST PENNSYLVANIA	MORRISVILLE , PA	Petroleum Contaminated Soil	
CLEAN HARBOR ENVIRONMENTAL SERVICES	CLEVELAND , OH	Non-Hazardous Industrial/Commercial Hazardous Industrial/Commercial	
CLEAN HARBORS DEER PARK	LAPORTE , TX	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil Hazardous Industrial/Commercial Waste Oil Non-Hazardous Industrial/Commercial Asbestos Petroleum Contaminated Soil Waste Oil Medical	
CLEAN HARBORS ENVIRONMENTAL SERVICES, INC.	GLENMONT , NY	Non-Hazardous Industrial/Commercial Hazardous Industrial/Commercial	
CLEAN HARBORS GRASSY MOUNTAIN, LLC	GRANTSVILLE , UT	Non-Hazardous Industrial/Commercial Asbestos Petroleum Contaminated Soil Hazardous Industrial/Commercial	
CLEAN HARBORS KIMBALL, NE	KIMBALL , NE	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil Grease Trap Waste Sludge from Sewage or Water Supply Treatment Plant Hazardous Industrial/Commercial Waste Oil	

*** AUTHORIZED WASTE TYPES BY DESTINATION FACILITY LISTING (continued on next page) ***

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AUTHORIZED WASTE TYPES BY DESTINATION FACILITY: (Continued)
The Permittee is Authorized to Transport the Following Waste Type(s) to the Destination Facility listed :

Destination Facility	Location	Waste Type(s)	Note
CLEAN HARBORS LONE MOUNTAIN	WAYNOKA , OK	Non-Hazardous Industrial/Commercial Asbestos Petroleum Contaminated Soil Sludge from Sewage or Water Supply Treatment Plant Hazardous Industrial/Commercial	
CLEAN HARBORS OF BALTIMORE	BALTIMORE , MD	Non-Hazardous Industrial/Commercial Asbestos Petroleum Contaminated Soil Hazardous Industrial/Commercial Waste Oil	
CLEAN HARBORS OF BRAINTREE	BRAINTREE , MA	Non-Hazardous Industrial/Commercial Asbestos Petroleum Contaminated Soil Hazardous Industrial/Commercial Waste Oil	
CLEAN HARBORS OF CANADA	CORUNNA , ON	Non-Hazardous Industrial/Commercial Asbestos Petroleum Contaminated Soil Hazardous Industrial/Commercial Waste Oil	
Clinton County MRF / Casella	Morrisonville , NY	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
Colonie (T) SWMF	Colonie , NY	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
COMMUNITY REFUSE SERVICE, INC.	SHIPPENSBURG , PA	Non-Hazardous Industrial/Commercial Asbestos Petroleum Contaminated Soil Sludge from Sewage or Water Supply Treatment Plant	
Covanta Environmental Solutions LLC	Niagara , NY	Non-Hazardous Industrial/Commercial	
Covanta Niagara, L.P.	Niagara Falls , NY	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil Grease Trap Waste	

*** AUTHORIZED WASTE TYPES BY DESTINATION FACILITY LISTING (continued on next page) ***

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AUTHORIZED WASTE TYPES BY DESTINATION FACILITY: (Continued)
The Permittee is Authorized to Transport the Following Waste Type(s) to the Destination Facility listed :

Destination Facility	Location	Waste Type(s)	Note
CUMBERLAND COUNTY LANDFILL	SHIPPENSBURG , PA	Non-Hazardous Industrial/Commercial Asbestos Petroleum Contaminated Soil Sludge from Sewage or Water Supply Treatment Plant	
CWM CHEMICAL SERVICES LLC	MODEL CITY , NY	Non-Hazardous Industrial/Commercial Asbestos Petroleum Contaminated Soil Hazardous Industrial/Commercial Waste Oil	
CYCLE CHEM (NJ)	ELIZABETH , NJ	Non-Hazardous Industrial/Commercial Asbestos Petroleum Contaminated Soil Hazardous Industrial/Commercial Waste Oil	
CYCLE CHEM (PA)	LEWISBERRY , PA	Non-Hazardous Industrial/Commercial Asbestos Petroleum Contaminated Soil Waste Tires Hazardous Industrial/Commercial Waste Oil	
Development Authority of the North Country Landfill	Rodman , NY	Non-Hazardous Industrial/Commercial Asbestos Petroleum Contaminated Soil Sludge from Sewage or Water Supply Treatment Plant	
DURATHERM, INC.	SAN LEON , TX	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil Waste Oil	
EASTMAN BUSINESS PARK	ROCHESTER , NY	Non-Hazardous Industrial/Commercial Hazardous Industrial/Commercial	
ENERGIS LLC	HOLLY HILL , SC	Non-Hazardous Industrial/Commercial Hazardous Industrial/Commercial Waste Oil	

*** AUTHORIZED WASTE TYPES BY DESTINATION FACILITY LISTING (continued on next page) ***

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AUTHORIZED WASTE TYPES BY DESTINATION FACILITY: (Continued)
The Permittee is Authorized to Transport the Following Waste Type(s) to the Destination Facility listed :

Destination Facility	Location	Waste Type(s)	Note
ENGLOBE CORP	MONTREAL-EAST , QC	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil Hazardous Industrial/Commercial	
ENVIRITE OF PENNSYLVANIA	YORK , PA	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil Hazardous Industrial/Commercial	
ENVIRONMENTAL PROTECTION SERVICES	WHEELING , WV	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil Hazardous Industrial/Commercial Waste Oil	
ENVIROSAFE SERVICES OF OHIO, INC.	OREGON , OH	Non-Hazardous Industrial/Commercial Asbestos Petroleum Contaminated Soil Grease Trap Waste Hazardous Industrial/Commercial	
EQ DETROIT	DETROIT , MI	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil Grease Trap Waste Septage only (residential) Residential Raw Sewage including Portable Toilet Waste Non-Residential Raw Sewage or Sewage-Contaminated Wastes Sludge from Sewage or Water Supply Treatment Plant Hazardous Industrial/Commercial Waste Oil	
EQ MICHIGAN DISPOSAL	BELLEVILLE , MI	Non-Hazardous Industrial/Commercial Asbestos Hazardous Industrial/Commercial	
EQ OF CANTON (FORM. ENVIRITE OF OHIO, INC.)	CANTON , OH	Non-Hazardous Industrial/Commercial Hazardous Industrial/Commercial Waste Oil	
EQ Transfer & Processing	Bellville , MI	Waste Oil	
ESMI of New York	Fort Edward , NY	Non-Hazardous Industrial/Commercial	

*** AUTHORIZED WASTE TYPES BY DESTINATION FACILITY LISTING (continued on next page) ***

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AUTHORIZED WASTE TYPES BY DESTINATION FACILITY: (Continued)
The Permittee is Authorized to Transport the Following Waste Type(s) to the Destination Facility listed :

Destination Facility	Location	Waste Type(s)	Note
ESMI of New York	Fort Edward , NY	Petroleum Contaminated Soil	
ESSROC MATERIALS INC.	LOGANSPORT , IN	Non-Hazardous Industrial/Commercial Sludge from Sewage or Water Supply Treatment Plant Hazardous Industrial/Commercial Waste Oil	
EVERGREEN RDF	NORTHWOOD , OH	Non-Hazardous Industrial/Commercial Asbestos Petroleum Contaminated Soil Sludge from Sewage or Water Supply Treatment Plant	
EXIDE CORPORATION	READING , PA	Hazardous Industrial/Commercial	
Fulton County Landfill	Johnstown , NY	Non-Hazardous Industrial/Commercial Asbestos Petroleum Contaminated Soil Waste Tires Sludge from Sewage or Water Supply Treatment Plant	
GENERAL ENVIRONMENTAL MANAGEMENT	CLEVELAND , OH	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil Hazardous Industrial/Commercial Waste Oil	
GLOVERSVILLE-JOHNSTOWN WWTP	JOHNSTOWN , NY	Non-Hazardous Industrial/Commercial	
GREEN AMERICA RECYCLING, LLC	HANNIBAL , MO	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil Hazardous Industrial/Commercial	
GROWS LANDFILL NORTH	MORRISVILLE , PA	Non-Hazardous Industrial/Commercial Asbestos Waste Tires	
GSI ENVIRONMENT	SHERBROOKE , QC	Petroleum Contaminated Soil Hazardous Industrial/Commercial	
Hakes C&D Disposal Inc	Painted Post , NY	Non-Hazardous Industrial/Commercial	
HENRY HARRIS SLF (ALHERN, INC.)	MULLICA HILL , NJ	Petroleum Contaminated Soil	
HERITAGE ENVIRONMENTAL SERVICES	ROACHDALE , IN	Non-Hazardous Industrial/Commercial Asbestos	

*** AUTHORIZED WASTE TYPES BY DESTINATION FACILITY LISTING (continued on next page) ***

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AUTHORIZED WASTE TYPES BY DESTINATION FACILITY: (Continued)
The Permittee is Authorized to Transport the Following Waste Type(s) to the Destination Facility listed :

Destination Facility	Location	Waste Type(s)	Note
HERITAGE ENVIRONMENTAL SERVICES	ROACHDALE , IN	Petroleum Contaminated Soil Grease Trap Waste Sludge from Sewage or Water Supply Treatment Plant Hazardous Industrial/Commercial	
HERITAGE ENVIRONMENTAL SERVICES, LLC	INDIANAPOLIS , IN	Non-Hazardous Industrial/Commercial Asbestos Petroleum Contaminated Soil Grease Trap Waste Hazardous Industrial/Commercial Waste Oil	
HERITAGE WTI, INC.	EAST LIVERPOOL , OH	Non-Hazardous Industrial/Commercial Asbestos Petroleum Contaminated Soil Grease Trap Waste Hazardous Industrial/Commercial Waste Oil	
High Acres Western Expansion Landfill	Fairport , NY	Non-Hazardous Industrial/Commercial Asbestos Petroleum Contaminated Soil Sludge from Sewage or Water Supply Treatment Plant	
HORIZON ENVIRONMENTAL	GRANDE-PILES , QC	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil Hazardous Industrial/Commercial	
HORSEHEAD RESOURCE DEVELOPMENT, INC.	PALMERTON , PA	Hazardous Industrial/Commercial	
Hyland Landfill	Angelica , NY	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil Sludge from Sewage or Water Supply Treatment Plant	
Industrial Oil Tank Used Oil Storage Facility	Oriskany , NY	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil Waste Oil	
INMETCO	ELLWOOD CITY , PA	Hazardous Industrial/Commercial	
JERC PARTNERS VII/LLC	EDISON , NJ	Petroleum Contaminated Soil	

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AUTHORIZED WASTE TYPES BY DESTINATION FACILITY: (Continued)
The Permittee is Authorized to Transport the Following Waste Type(s) to the Destination Facility listed :

Destination Facility	Location	Waste Type(s)	Note
KEYSTONE SANITARY LANDFILL	DUNMORE , PA	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
LAKEVIEW LANDFILL	ERIE , PA	Non-Hazardous Industrial/Commercial Asbestos Petroleum Contaminated Soil Waste Tires	
MAHONING LANDFILL	NEW SPRINGFIELD , OH	Non-Hazardous Industrial/Commercial Asbestos Petroleum Contaminated Soil Hazardous Industrial/Commercial	
MALANKA LANDFILL	MIDLAND , NJ	Petroleum Contaminated Soil	
MAX ENVIRONMENTAL TECHNOLOGIES	YUKON , PA	Non-Hazardous Industrial/Commercial Hazardous Industrial/Commercial	
MCKEAN LANDFILL	KANE , PA	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil Waste Tires Waste Oil	
METALLIX REFINERY, INC.	GREENVILLE , NC	Hazardous Industrial/Commercial	
MICHIGAN DISPOSAL WTP	BELLEVILLE , MI	Non-Hazardous Industrial/Commercial Asbestos Hazardous Industrial/Commercial Waste Oil	
Mill Seat SLF	Riga , NY	Non-Hazardous Industrial/Commercial	
MINERVA ENTERPRISES INC	WAYNESBURG , OH	Non-Hazardous Industrial/Commercial Asbestos	
Modern Landfill	Youngstown , NY	Non-Hazardous Industrial/Commercial Asbestos Petroleum Contaminated Soil Waste Tires Sludge from Sewage or Water Supply Treatment Plant	
MOSTOLLER LANDFILL	SOMERSET , PA	Non-Hazardous Industrial/Commercial Asbestos	

*** AUTHORIZED WASTE TYPES BY DESTINATION FACILITY LISTING (continued on next page) ***

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF MATERIALS MANAGEMENT

PART 364
WASTE TRANSPORTER PERMIT NO. 7A-296

Pursuant to Article 27 ,Titles 3 and 15 of the Environmental Conservation Law and 6 NYCRR 364

PERMIT ISSUED TO:

PAGE E.T.C ., INC.
P.O. BOX 1290
2758 TROMBLEY ROAD
WEEDSPORT, NY 13166

PERMIT TYPE:

☐ NEW
☐ RENEWAL
▣ MODIFICATION

CONTACT NAME: DONNA MAHANEY
COUNTY: CAYUGA
TELEPHONE NO: (315)834-6681

EFFECTIVE DATE: 09/11/2016
EXPIRATION DATE: **04/30/2017**
US EPA ID NUMBER: NYD986969947

AUTHORIZED WASTE TYPES BY DESTINATION FACILITY: (Continued)
The Permittee is Authorized to Transport the Following Waste Type(s) to the Destination Facility listed :

Destination Facility	Location	Waste Type(s)	Note
MOSTOLLER LANDFILL	SOMERSET , PA	Petroleum Contaminated Soil Sludge from Sewage or Water Supply Treatment Plant	
NEXEO SOLUTIONS LLC (FORMERLY ASHLAND CHEMICAL COMPANY)	BINGHAMTON , NY	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil Hazardous Industrial/Commercial	
NORLITE, LLC	COHOES , NY	Non-Hazardous Industrial/Commercial Hazardous Industrial/Commercial Waste Oil	
Ontario County Sanitary Landfill	Stanley , NY	Non-Hazardous Industrial/Commercial Asbestos Petroleum Contaminated Soil Sludge from Sewage or Water Supply Treatment Plant	
Oswego County Energy Recovery Facility	Fulton , NY	Non-Hazardous Industrial/Commercial Waste Tires	
OTTAWA COUNTY LANDFILL	PORT CLINTON , OH	Non-Hazardous Industrial/Commercial Asbestos Petroleum Contaminated Soil	
PASSAIC VALLEY SEWERAGE	NEWARK , NJ	Non-Hazardous Industrial/Commercial	
Patterson Farm Inc.	Auburn , NY	Non-Hazardous Industrial/Commercial Grease Trap Waste	
PIONEER CROSSING LANDFILL	BIRDSBORO , PA	Non-Hazardous Industrial/Commercial Asbestos Petroleum Contaminated Soil Sludge from Sewage or Water Supply Treatment Plant	
Raimondo Bro's Inc.	Kirkville , NY	Non-Hazardous Industrial/Commercial	
RETRIEV TECHNOLOGIES, INC. (FORMERLY TOXCO)	BALTIMORE , OH	Hazardous Industrial/Commercial	
REVERE SMELTING & REFINING CORPORATION	MIDDLETOWN , NY	Hazardous Industrial/Commercial	
ROCKWOOD LANDFILL	NEWPORT , MI	Petroleum Contaminated Soil Non-Residential Raw Sewage or Sewage-Contaminated Wastes	
ROSS INCINERATION SERVICES, INC.	GRAFTON , OH	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil Hazardous Industrial/Commercial	

*** AUTHORIZED WASTE TYPES BY DESTINATION FACILITY LISTING (continued on next page) ***

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Destination Facility	Location	Waste Type(s)	Note
ROSS INCINERATION SERVICES, INC.	GRAFTON , OH	Waste Oil	
RSI / BENNETT ENVIRONMENT	ST. AMBROISE , QC	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil Hazardous Industrial/Commercial	
SABIN METAL CORPORATION	SCOTTSVILLE , NY	Non-Hazardous Industrial/Commercial Hazardous Industrial/Commercial	
SAFETY-KLEEN SYSTEMS, INC	LINDEN , NJ	Non-Hazardous Industrial/Commercial Hazardous Industrial/Commercial	
SCEPTER INC.	BICKNELL , IN	Non-Hazardous Industrial/Commercial	
Seneca Meadows LF	Waterloo , NY	Non-Hazardous Industrial/Commercial Asbestos Petroleum Contaminated Soil Waste Tires Sludge from Sewage or Water Supply Treatment Plant	
SHADE LANDFILL, INC.	CAIRNBROOK , PA	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil Waste Tires Grease Trap Waste Sludge from Sewage or Water Supply Treatment Plant	
SOIL SAFE, INC.	COLUMBIA , MD	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
STABLEX CANADA INC.	BLAINVILLE , YT	Non-Hazardous Industrial/Commercial Hazardous Industrial/Commercial	
SYSTECH ENVIRONMENTAL CORP	FREEDONIA , KS	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
TETERBORO LANDING	TETERBORO , NJ	Petroleum Contaminated Soil	
TONAWANDA ENVIRONMENTAL CORP.	BUFFALO , NY	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
TOXCO	LANCASTER , OH	Hazardous Industrial/Commercial	
TRANSFORMER SALVAGE, INC.	DUDLEY , NC	Hazardous Industrial/Commercial	
TULLYTOWN RESOURCE RECOVERY FACILITY	TULLYTOWN , PA	Non-Hazardous Industrial/Commercial Asbestos	

*** AUTHORIZED WASTE TYPES BY DESTINATION FACILITY LISTING (continued on next page) ***

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AUTHORIZED WASTE TYPES BY DESTINATION FACILITY: (Continued)
The Permittee is Authorized to Transport the Following Waste Type(s) to the Destination Facility listed :

Destination Facility	Location	Waste Type(s)	Note
TULLYTOWN RESOURCE RECOVERY FACILITY	TULLYTOWN , PA	Petroleum Contaminated Soil Hazardous Industrial/Commercial Waste Oil	
U.S. ECOLOGY IDAHO, INC.	GRAND VIEW , ID	Non-Hazardous Industrial/Commercial Asbestos Petroleum Contaminated Soil	
VEOLIA ENVIRONMENTAL SERVICE LLC	PORT ARTHUR , TX	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil Hazardous Industrial/Commercial Waste Oil	
VEOLIA ES TECHNICAL SOLUTIONS	FLANDERS , NJ	Non-Hazardous Industrial/Commercial Asbestos Petroleum Contaminated Soil Hazardous Industrial/Commercial Waste Oil	
VEOLIA ES TECHNICAL SOLUTIONS LLC	WEST BRIDGEWATER , MA	Non-Hazardous Industrial/Commercial Hazardous Industrial/Commercial	
VEOLIA ES TECHNICAL SOLUTIONS, LLC	SAUGET , IL	Petroleum Contaminated Soil Hazardous Industrial/Commercial Waste Oil	
WASTE MANAGEMENT - VICKERY ENVIRONMENTAL, INC.	VICKERY , OH	Non-Hazardous Industrial/Commercial Hazardous Industrial/Commercial	
WASTE MANAGEMENT AMERICAN	WAYNESBURG , OH	Non-Hazardous Industrial/Commercial Asbestos Petroleum Contaminated Soil	
WATERTOWN (C) WPCP	WATERTOWN , NY	Non-Hazardous Industrial/Commercial Sludge from Sewage or Water Supply Treatment Plant	
WHITE PINES LANDFILL	MILLVILLE , PA	Non-Hazardous Industrial/Commercial Asbestos Waste Tires Sludge from Sewage or Water Supply Treatment Plant	

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
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COUNTY:	CAYUGA	EXPIRATION DATE:	**04/30/2017**
TELEPHONE NO:	(315)834-6681	US EPA ID NUMBER:	NYD986969947

AUTHORIZED VEHICLES:

The Permittee is Authorized to Operate the Following Vehicles to Transport Waste:

(Vehicles enclosed in <>'s are authorized to haul Residential Raw Sewage and/or Septage only)

349 (Three Hundred and Forty Nine) Permitted Vehicle(s)

KY 53904T	NY AR91599	NY BC44361	NY BD68914	NY BE75126
ME 171119B	NY AR91655	NY BC44362	NY BD91265	NY BE75127
ME 171120B	NY AR91750	NY BC44363	NY BE21159	NY BE75128
ME 1757526	NY AR91752	NY BC44364	NY BE21160	NY BE75129
ME 1866535	NY AR91933	NY BC98838	NY BE21161	NY BE75162
MO 0605PG	NY AR91994	NY BC98839	NY BE21193	NY BE75326
NJ T45T8B	NY AR92006	NY BC98844	NY BE21194	NY BE75347
NY 1757525	NY AR92008	NY BC98846	NY BE21195	NY BE75348
NY 1859C6	NY AR92009	NY BC98847	NY BE21286	NY BE75504
NY 1861C6	NY AR92010	NY BC98872	NY BE21372	NY BE75550
NY 2001C6	NY AS15634	NY BC98957	NY BE21393	NY BE75551
NY 37893PC	NY AS68691	NY BC99398	NY BE60094	NY BE75552
NY AC15548	NY AS68692	NY BC99399	NY BE74872	NY BF44206
NY AC30293	NY AT34139	NY BD68468	NY BE74942	NY BF64589
NY AJ97850	NY AT34171	NY BD68578	NY BE74943	NY BF84879
NY AL52730	NY AT34172	NY BD68579	NY BE74944	NY BF97446
NY AL52773	NY AU58395	NY BD68826	NY BE74945	NY BF99311
NY AM49681	NY AV87687	NY BD68850	NY BE75095	NY BF99480
NY AM49684	NY AV87755	NY BD68851	NY BE75096	NY BF99481
NY AM50110	NY AW58890	NY BD68852	NY BE75097	NY BF99482
NY AM50175	NY AX23293	NY BD68853	NY BE75098	NY BF99483
NY AM50433	NY BA62369	NY BD68854	NY BE75099	NY BF99484
NY AM50434	NY BA62370	NY BD68855	NY BE75100	NY BF99490
NY AM50435	NY BB30849	NY BD68856	NY BE75103	NY BF99491
NY AM50436	NY BB40187	NY BD68857	NY BE75104	NY BF99492
NY AM50437	NY BB40194	NY BD68861	NY BE75105	NY BF99493
NY AM50472	NY BB40243	NY BD68862	NY BE75106	NY BF99494
NY AM50473	NY BB40244	NY BD68864	NY BE75107	NY BF99495
NY AM50474	NY BB42975	NY BD68865	NY BE75108	NY BF99686
NY AM50477	NY BB83197	NY BD68866	NY BE75110	NY BF99687
NY AM50478	NY BB83198	NY BD68867	NY BE75111	NY BF99688
NY AM50479	NY BB83199	NY BD68868	NY BE75112	NY BF99689
NY AM50480	NY BB83320	NY BD68869	NY BE75113	NY BF99690
NY AM50481	NY BB83371	NY BD68874	NY BE75114	NY BF99741
NY AM50482	NY BB83372	NY BD68875	NY BE75115	NY BF99742
NY AM50483	NY BB83393	NY BD68879	NY BE75116	NY BF99743
NY AN29473	NY BB83396	NY BD68880	NY BE75117	NY BF99744
NY AN29474	NY BB83397	NY BD68881	NY BE75118	NY BF99754
NY AN29476	NY BC43920	NY BD68882	NY BE75119	NY BF99796
NY AP29688	NY BC43921	NY BD68906	NY BE75120	NY BF99828
NY AP29690	NY BC43922	NY BD68908	NY BE75121	NY BG42989
NY AP29691	NY BC44006	NY BD68910	NY BE75122	NY BG65101
NY AP29731	NY BC44007	NY BD68911	NY BE75123	NY BG65102
NY AR20501	NY BC44218	NY BD68912	NY BE75124	NY BG65103
NY AR20503	NY BC44351	NY BD68913	NY BE75125	NY BG65104

*** AUTHORIZED VEHICLES LISTING (continued on next page) ***

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF MATERIALS MANAGEMENT

PART 364
WASTE TRANSPORTER PERMIT NO. 7A-296

Pursuant to Article 27 ,Titles 3 and 15 of the Environmental Conservation Law and 6 NYCRR 364

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NY BG65105
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NY BG65114
NY BG65122
NY BG65124
NY BG65176
NY BG65177
NY BG65178
NY BG65194
NY BG65306
NY BG65307
NY BG65619
NY BG65620
NY BG65939
NY BG68554
NY BH16677
NY BH45804
NY BH45828
NY BH45860
NY BH46223
NY BH46234
NY BH46235
NY BH46236
NY BH46241
NY BH46242
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NY BH60497
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NY BK29455
NY BK29482
NY BK29483
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NY BK29557
NY BK29558
NY BK29605
NY BK29606
NY BK29607
NY BK29699
NY BK29900
NY BK29901
NY BK29902
NY BK31785
NY BK91265
NY BK91266
NY BK91267
NY BK91268
NY BK91459
NY BK91576
NY BK91577
NY BK91578
NY BK91839
NY BK91949
NY BL51850
NY BL51851
NY BL51853
NY BL91837
NY BM91838
OH TPL6984
OH TQL9336
OH TQP4579
OH TQQ6498
PA PT0013Z
PA PT0629L
PA PT0848N
PA PT2410R
PA PT362B3
PA PT5856M
PA PT6118P
PA PT6397Y
PA PT6762M
PA PT6866J
PA PT7463Z
PA PT7642K
PA PT781A8
PA PT8702L
PA PT9887Y
PA XDS3143
PA XFG2367
PA XGZ5824
PA XHD1743
PA XHM6750
PA XJK0954
PA XJN4104
PA XJP9596
PA XJT9494
PA XJY8168
PA XKC7531
PA XT36187
End of List

Attachment 5

The Environmental Service Group (NY) Inc.

Disposal Facility Permits

HANSON LLC - 1
FOR NOTES

New York State Department of Environmental Conservation
Division of Environmental Permits, Region 9
270 Michigan Avenue, Buffalo, New York, 14203-2999
Phone: (716) 851-7165 • **FAX:** (716) 851-7168
Website: www.dec.state.ny.us

Denise M. Sheehan
Commissioner

December 14, 2005



Mr. David Grenier, General Manager
Allied/BFI Waste Systems of North America, Inc,
5600 Niagara Falls Boulevard
P.O. Box 344
Niagara Falls, New York 14304-0344

Attn: Mr. David Hanson, Environmental Manager

Dear Mr. Grenier:

PERMIT TRANSMITTAL LETTER
ALLIED/BFI WASTE SYSTEMS
PERMIT NO. 9-2911-00119/00005
SOLID WASTE MANAGEMENT NO. 32S11

Enclosed is your permit which was issued in accordance with applicable provisions of the Environmental Conservation Law. The permit is valid for only that project, activity or operation expressly authorized. If modifications are desired after permit issuance, you must submit the proposed revisions and receive written approval from the Permit Administrator prior to initiating any change. If the Department determines that the modification represents a material change in the scope of the authorized project, activity, operation or permit conditions, you will be required to submit a new application for permit.

PLEASE REVIEW ALL PERMIT CONDITIONS CAREFULLY. IN PARTICULAR, IDENTIFY YOUR INITIAL RESPONSIBILITIES UNDER THIS PERMIT IN ORDER TO ASSURE TIMELY ACTION IF REQUIRED. SINCE FAILURE TO COMPLY PRECISELY WITH PERMIT CONDITIONS MAY BE TREATED AS A VIOLATION OF THE ENVIRONMENTAL CONSERVATION LAW, **YOU ARE REQUESTED TO PROVIDE A COPY OF THE PERMIT TO THE PROJECT CONTRACTOR, FACILITY OPERATOR, AND OTHER PERSONS DIRECTLY RESPONSIBLE FOR PERMIT IMPLEMENTATION (IF ANY).**

If you have any questions regarding the administrative processing of this permit or request for modification, please contact this office at the above address. Technical questions relating to the specific conditions should be directed to Mr. Mark Hans, Regional Solid Materials Engineer at 716/851-7220.

Respectfully,
Steven J. Doleski
Regional Permit Administrator

JED/vam
Enclosures
cc: Mr. Mark Hans, NYSDEC, Division of Solid and Hazardous Materials/Attn: Mr. James Sacco
Mr. Scott Menrath, NYSDEC, Division of Solid and Hazardous Materials, Albany
Mr. James Devald, Niagara County Health Department
Hon. Steven Richards, Supervisor, Town of Niagara/Attn: Mr. Fred Clark, Building Inspector
Mr. Ernest Hanna, GZA GeoEnvironmental of New York/Attn: Mr. Bart Klettke

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

DEC PERMIT NUMBER	EXPIRATION DATE
9-2911-00119/00005	**November 30, 2015**
FACILITY/PROGRAM NUMBER(S)	
32S11	

PERMIT

Under the Environmental Conservation Law

NEW

TYPE OF PERMIT: **Article 27, Title 7: 6NYCRR Part 360: Solid Waste Management**

PERMIT ISSUED TO			TELEPHONE NUMBER
Allied/BFI Waste Systems of North America, Inc.			**(716) 285-3344**
ADDRESS OF PERMITTEE			
5600 Niagara Falls Boulevard, P.O. Box 344 LPO, Niagara Falls, New York 14304-0344			
CONTACT PERSON FOR PERMITTED WORK			TELEPHONE NUMBER
Mr. David L. Hanson, Environmental Manager			**(716) 285-3344**
NAME AND ADDRESS OF PROJECT/FACILITY			
NRI/Newco-Pine Avenue/Packard Road Site			
LOCATION OF PROJECT/FACILITY			
56th Street and Niagara Falls Boulevard, Niagara Falls			
COUNTY	CITY	REGULATED RESOURCE (if applicable)	NYTM COORDINATES
Niagara	**Niagara**		**E 175.2 N 4779.5**
DESCRIPTION OF AUTHORIZED ACTIVITY			
Construction and operation of the 51 acre Sanitary Landfill V, and the 84 acre Sanitary Landfill VIII for the disposal of non-bird attracting waste; and post-closure monitoring and maintenance of Sanitary Landfills I-IV and VI.			

By acceptance of this permit, the permittee agrees that continuance of and compliance with the permit is dependent upon strict compliance with NYS Environmental Conservation Law (ECL), all applicable regulations, the specified General Conditions (**pages 2 and 3**) and all Special Conditions contained herein.

REGIONAL PERMIT ADMINISTRATOR	DIVISION OF ENVIRONMENTAL PERMITS, 270 MICHIGAN AVE.,	
Steven J. Doleski	BUFFALO, NY 14203-2999, (716) 851-7165	
AUTHORIZED SIGNATURE	DATE OF ISSUANCE	PAGE 1 OF 17
Steven J. Doleski	12/14/2005	

GENERAL CONDITIONS

Inspections

1. The permitted site or facility, including relevant records, is subject to inspection at reasonable hours and intervals by an authorized representative of the Department of Environmental Conservation (the Department) to determine whether the permittee is complying with this permit and the ECL. Such representative may order the work suspended pursuant to ECL 71-0301 and SAPA 401(3). A copy of this permit, including all referenced maps, drawings and special conditions, must be available for inspection by the Department at all times at the project site. Failure to produce a copy of the permit upon request by a Department representative is a violation of this permit.

Permit Changes and Renewals

2. The Department reserves the right to modify, suspend or revoke this permit when:
   a) the scope of the permitted activity is exceeded or a violation of any condition of the permit or provisions of the ECL and pertinent regulations is found;
   b) the permit was obtained by misrepresentation or failure to disclose relevant facts;
   c) new material information is discovered; or
   d) environmental conditions, relevant technology, or applicable law or regulation have materially changed since the permit was issued.

3. The permittee must submit a separate written application to the Department for renewal, modification or transfer of this permit. Such application must include any forms, fees or supplemental information the Department requires. Any renewal, modification or transfer granted by the Department must be in writing.

4. The permittee must submit a renewal application at least:
   a) 180 days before expiration of permits for State Pollutant Discharge Elimination System (SPDES), Hazardous Waste Management Facilities (HWMF), major Air Pollution Control (APC) and Solid Waste Management Facilities (SWMF); and
   b) 30 days before expiration of all other permit types.

5. Unless expressly provided for by the Department, issuance of this permit does not modify, supersede or rescind any order or determination previously issued by the Department or any of the terms, conditions or requirements contained in such order or determination.

Other Legal Obligations of Permittee

6. The permittee has accepted expressly, by the execution of the application, the full legal responsibility for all damages, direct or indirect, of whatever nature and by whomever suffered, arising out of the project described in this permit and has agreed to indemnify and save harmless the State from suits, actions, damages and costs of every name and description resulting from this project.

7. This permit does not convey to the permittee any right to trespass upon the lands or interfere with the riparian rights of others in order to perform the permitted work nor does it authorize the impairment of any rights, title, or interest in real or personal property held or vested in a person not a party to the permit.

8. The permittee is responsible for obtaining any other permits, approvals, lands, easements and rights-of-way that may be required for this project.

SPECIAL CONDITIONS

Approved Documents and Wastes

1. Construction and operation of Sanitary Landfills V and VIII and the railroad spur, and post-closure monitoring and maintenance of Sanitary Landfills I-IV and VI shall be in conformance with 6 NYCRR Part 360 and the plans and reports (except as modified by the special conditions in this permit) consisting of:

   a. "Railroad Spur Reinstallation", dated November 1992 and prepared by Engineering-Science and Fraser Group, and supplemented by the "Railroad Spur Operations Update Summary" prepared by David Hanson, dated June 9, 1994.

   b. "Sanitary Landfill Area V, Subareas A and B Permit Drawings" prepared by GZA GeoEnvironmental of New York. The approved plan sheets are listed on permit page 12 of 17.

   c. "Sanitary Landfill Area V, Subarea C Permit Drawings" prepared by GZA GeoEnvironmental of New York. The approved plan sheets are listed on permit page 13 of 17.

   d. "Draft Environmental Impact Statement Proposed Sanitary Landfill VIII Solid Waste Management Facility Volume 2: Engineering Report", dated March 7, 2005 and prepared by GZA GeoEnvironmental of New York.

   e. "Sanitary Landfill VIII DEIS Permit Drawings" prepared by GZA GeoEnvironmental of New York. The approved plan sheets are listed on permit page 14 of 17 and page 15 of 17.

   f. "Sanitary Landfill VIII, Subareas A & B Permit Drawings" prepared by GZA GeoEnvironmental of New York. The approved plan sheets are listed on permit page 16 of 17 and page 17 of 17.

   g. "Proposed Sanitary Landfill VIII Environmental Monitoring Plan", dated January 2005 and prepared by GZA GeoEnvironmental of New York.

   h. "Sanitary Landfill Area V Operation & Sanitary Landfills I, II, III, IV and VI Post-Closure Monitoring and Maintenance - A Part 360 Solid Waste Management Facility Application for a Permit Renewal to the Facilities Existing Operation Permit Number 9-2911-00119/00005-0", dated September 2004 and prepared by GZA GeoEnvironmental of New York.

   i. "BFI/GZA Response to CRA Infrastructure & Engineering, Inc. (Town of Niagara Engineer) Comments (Dated May 13, 2005) Concerning the Draft Environmental Impact Statement", dated September 16, 2005 and prepared by GZA GeoEnvironmental of New York.

2. The only wastes permitted for disposal at this facility shall be asbestos, and non-hazardous industrial/commercial waste, construction and demolition (C&D) debris, contaminated soils and sludges. Wastes which attract birds are prohibited from disposal in the landfill. Treated regulated medical waste (RMW) and/or treated and destroyed RMW sharps accompanied by a NYS Department of Health approved certificate of treatment form that evidences such treatment and is signed by an authorized person at the generating facility may also be received for disposal. All asbestos, industrial wastes, contaminated soils, sludges and medical waste are to be received only upon written acceptance from the Department's Region 9 Solid Materials Engineer (RSME) except those waste streams less than 100 tons per year. Those wastes may be received by the permittee upon review and written approval of the permittee. All requests for acceptance shall be submitted on form 47-19-7, Application for Disposal of an Industrial Waste Stream. Neither liquids nor wastes containing free liquids or sludges with a solid content of less than 20% shall be received at the landfill. No hazardous waste (as defined in 6 NYCRR Part 371, which is subject to regulation under 6 NYCRR Part 370 through 374) and no radioactive waste (as defined and regulated in 6 NYCRR Part 380) may be received at this facility.

SPECIAL CONDITIONS

3. No ash (ie. flyash, bottom ash, and combined ash) containing free liquids or hazardous waste shall be received at the landfill. Prior to accepting municipal solid waste incinerator ash, the permittee shall obtain a certification from the generator that the ash has been tested in accordance with appropriate laboratory analytical methods and frequency protocols and it is not hazardous waste as defined under 6 NYCRR Part 371.2 through 4 and regulated under 6 NYCRR Part 372, 374-2.15 and any other applicable subpart. Additionally, as long as municipal solid waste incinerator ash is being accepted at the landfill, the permittee must require the generator to provide copies of the analyses used to confirm the certification. Copies of the certifications and analyses shall be maintained at the landfill for the duration of the landfill's operation and post-closure period, as defined in Part 360-2.15(k).

4. The approved design capacity for this landfill is 3,077 tons per day. The approved design capacity is not a daily limit. The maximum waste receipts at the landfill during any Quarter shall not exceed 240,000 tons. Annual waste receipts shall not exceed 800,000 tons per year.

5. The permittee shall not receive at the facility, solid waste which was generated within a municipality that has either not completed a comprehensive recycling analysis (CRA) or is not included in another municipality's CRA satisfying the requirements of 6 NYCRR Part 360-19(f) which has been approved by the Department and implemented the recyclables recovery program determined to be feasible by the analysis. A list of municipalities serviced by the facility shall be submitted to the RSME with the Annual Report required by Special Condition No. 49 of this permit.

Variances (All references are 6 NYCRR Part 360, effective November 24, 1999)

6. The following variances are approved as noted and conditioned. In the event that nuisance or other detrimental conditions develop as a result of these variance approvals, the RSME may suspend the approval until the modification procedures of 6 NYCRR Part 621.14 are concluded:

   a. Variance request No. 1 from 6 NYCRR Part 360-2.12(a)(1)(v) which requires a landfill expansion to be built with at least 20 feet of unconsolidated deposits between the landfill liner and bedrock. This variance is approved provided that the permittee follows the Quality Assurance/Quality Control Plan in the construction of the approved double composite liner system.

   b. Variance request No. 2 from 6 NYCRR Part 360-2.13(d) which requires a minimum 5 foot separation between the base of the constructed liner system and the seasonal high groundwater table is approved. Construction of the liner system shall be in accordance with the approved plans (see Special Condition Nos. 1.e. and 1.f.).

Compliance Schedule

7. Prior to removal of any groundwater monitoring wells that are monitored as part of the CECOS Part 373 Permit, CECOS must obtain a permit modification that provides for adequate replacement of the wells to be removed.

8. For each stage of landfill construction after construction of subarea B, the permittee shall submit, for Department approval, a design rationale report, specifications, updated CQA/CQC Plan and drawings at least 90 days prior to beginning construction. Construction of these subareas may not begin until a permit modification is issued to cover this construction.

9. A construction schedule for any phase of construction shall be submitted to the RSME before the start of construction of that subarea.

10. Prior to operation of any subarea of Sanitary Landfill Area VIII, the permittee shall submit a revised Environmental Monitoring Plan (if necessary) to the Department which includes the monitoring required for the subarea being operated.

SPECIAL CONDITIONS

11. Prior to operation of any subarea in Sanitary Landfill Area VIII, the permittee shall provide a revised closure and post-closure cost estimate that includes the subarea to be operated.

12. Prior to operation of any subarea in Sanitary Landfill Area VIII, the permittee shall submit a revised financial surety instrument (if needed) to provide surety for the revised closure and post-closure cost estimates provided in accordance with Special Condition No. 11 of this permit.

13. Prior to operation of any subarea in Sanitary Landfill Area VIII, the permittee shall receive the RSME acceptance of the record drawings and Construction Certification Report (see Special Condition No. 22 of this permit). No authorization to operate will be granted until leakage into the secondary collection system, after completion of construction, has dropped below 20 gallons per acre per day (gpad) and has stabilized. Data confirming the leakage rate must be submitted to the RSME.

14. Prior to the closure of any portion of Sanitary Landfill Area V or Sanitary Landfill Area VIII, the permittee shall submit closure plans, specifications and a CQA/CQC Plan to cover the areas to be closed. In addition, if any design changes are proposed to the conceptual closure plan, the appropriate design calculations shall be presented to justify the changes. This information shall be submitted to the Department, for review and approval, at least 60 days prior to the anticipated beginning of construction.

15. Prior to final closure of Sanitary Landfill Area V or Sanitary Landfill Area VIII, the Post-Closure Monitoring and Maintenance Operations Manual shall be revised to include the Sanitary Landfill Area being closed.

16. Prior to final closure of the facility, a Closure Site Investigation (CSI) shall be completed and a report prepared in accordance with 6 NYCRR Part 360-2.15. The CSI Report and a Final Closure Plan shall be submitted to the Department within 180 days before receipt of the last waste, within 180 days before the last day of the operating permit, or in accordance with any permit condition or schedule of an Order on Consent, whichever is sooner.

17. Prior to final closure of the facility, a final Closure Plan, including all design calculations as well as a CQA/CQC Plan and specifications, must be prepared in accordance with 6 NYCRR Part 360-2.15(c). The final Closure Plan shall be submitted to the Department within 60 days before receipt of last waste, within 60 days before the last day of the operating permit, or in accordance with any permit condition or schedule of an Order on Consent, whichever is sooner.

Construction and Final Cover Installation

18. All geotextile, geonets, geosynthetic drainage composites, GCL's and geomembrane shall be tested to ensure that the appropriate design standards (friction angle, cohesion, transmissivity, permitivity, tensile strength) are met. The testing shall be done to simulate actual landfill conditions using the appropriate adjacent materials and expected loadings that would be found in the landfill. All testing must be completed prior to installation of the appropriate materials. The results of the testing shall be included in the Construction Certification Report (see Special Condition No. 22 of this permit).

19. A log shall be maintained on-site during each construction and final closure phase to record all proposed field changes. Changes materially altering the permitted design and/or approved specifications must be approved by the RSME before they are implemented. The Construction Certification Report (see Special Condition No. 22 of this permit) shall incorporate the Field Change Log for the respective construction/final closure phase.

20. Per the requirement of 6 NYCRR Part 360-1.4(b), the Department reserves the right to inspect landfill construction and final cover installation at any time. The Department requests notification to the RSME within at least 24 hours before any scheduled final inspection of the final lift of clay and the geomembrane liner so that Department staff have the ability to accompany the permittee or their designated representative performing the Construction Quality Assurance when performing these inspections prior to installation of the next overlying layer.

SPECIAL CONDITIONS

21. The upper surface of the clay liner must be free of stones greater than one inch in diameter and stones having angular surfaces.

22. A Construction Certification Report for any landfill construction or final cover installation shall be submitted to the RSME within 45 days of work completion. The permittee's Supervising Engineer shall certify in writing that the construction of the facility, subcell, leachate system or monitoring system was in accordance with this permit and tested in accordance with generally accepted engineering practice. The Construction Certification Report shall also include "As-Built" Plans and a report documenting the results of all testing. The Construction Certification Report shall be signed by a New York State Licensed Professional Engineer. Confirmation of the integrity of the landfill liner and detection system, if part of the construction, must be provided as part of the certification.

Landfill Operation

23. The landfill shall only receive waste from 6:00 A.M. to 7:00 P.M. daily to allow for proper daily cover and inspection. However, waste specifically approved in writing by the RSME may be landfilled from 6:00 A.M. to 4:00 A.M. the next day, 7 days a week, with adequate lighting provided.

24. Operation of the facility shall be controlled to prevent exceedance of ambient air quality standards, as specified in 6 NYCRR Part 257.

25. Landfill personnel shall be on duty at all times to ensure that only Department approved wastes are deposited at the landfill. In the event that hazardous wastes are received at the landfill, the permittee's personnel shall refuse to accept these wastes for disposal in the landfill and shall immediately notify the DEC Environmental Monitor (Monitor) and the RSME of the incident. In other instances, when non-hazardous, unauthorized wastes are received at the landfill, a report summarizing these occurrences shall be submitted to the Department with the Quarterly Report required by Special Condition No. 48 of this permit.

26. Prior to operation of any subarea in Sanitary Landfill Area VIII, the integrity of the primary leachate collection pipes in the landfill must be verified by passing a cleaning device through them. After placement of two lifts (15 feet) of waste, the integrity of the pipes shall be re-verified by passing a cleaning device through them. These results shall be forwarded to the RSME, in writing, within 30 days. The Monitor shall be advised at least three days in advance of the verification activities.

27. The first layer of refuse placed above the leachate collection layer must be a minimum of five feet in compacted thickness, and be of a select nature containing no large, rigid objects or other waste which could penetrate the liner system. During placement of this select lift, personnel must be situated on the liner system to continuously observe the select waste as it is being placed. All unacceptable material shall be removed. No sludges or other wastes which could blind the drainage layer shall be placed within 15 feet of the top of the drainage layer.

28. All waste shall be placed in 2-foot lifts, maximum, and compacted. The waste shall be placed at no greater than a 1 (V) to 3 (H) slope. A minimum of 6 inches of compacted soil or an alternate daily cover (ADC) shall be placed at the completion of each day's (24 hour) operation on the top surface of the waste. At least 12 inches of compacted soil shall be applied for intermediate cover and be placed over any area that will not receive waste material in the next 30 days. Ash may be substituted for the daily and intermediate soil cover. If the RSME determines that this creates dusting which the site's fugitive dust control plan cannot control, the permittee shall return to using compacted soil.

29. No drummed waste shall be placed in the landfill without prior written approval from the RSME.

30. The permittee shall not excavate waste, except for asbestos disposal or fire control, without prior written approval from the RSME.

SPECIAL CONDITIONS

31. In addition to soil, the Department may approve on a case-by-case basis, the use of wastes and contaminated soils for ADC. All ADCs must be transported by Department permitted Part 364 waste haulers. Requests for use of ADCs shall be submitted in writing to the RSME. In the event that nuisances develop from the use of ADCs, the RSME can rescind this approval without the need to modify this permit. The reuse of ADCs is prohibited. Any storage of ADCs is limited to areas where runoff can be collected as leachate and where windblown materials will not land on intermediate and final cover areas. On an annual basis, the amount of approved waste used for ADC cannot exceed 20% of the annual waste receipts unless otherwise approved by the Department. Any ADC in excess of the 20% amount must be counted as waste, even if it is utilized as daily cover.

32. Temporary fencing shall be provided on the downwind control berm before accepting waste in the landfill area.

33. The permittee shall prevent standing water from accumulating in the active landfill area. An active landfill area is any area which does not have an intermediate or final cover. This water shall be handled as leachate.

34. A minimum of 100 cubic yards of clean, above-ground cover soil or ash shall be stockpiled in the operational area of the landfill for fire control and other emergency uses.

35. The entrance road must be cleaned and maintained to prevent tracking of material onto public roads.

36. All leachate transfer pipe systems from Sanitary Landfill VII to the Connecting Road pump station shall be cleaned annually. Additionally, force main portions of the active leachate transfer lines shall be pressure tested annually and a record documenting both operations shall be submitted to the Department with the Quarterly Report (covering the period during which the leachate transfer pressure testing was accomplished) required by Special Condition No. 48 of this permit. The force main to be pressure tested is between MH-1 and the pump station. Furthermore, the force mains between MH-C6U and MH-C9U and MH-B12 and MH-C10 when active, shall also be pressure tested annually and reported.

37. The primary leachate collection lines in Sanitary Landfills V, VI and VIII shall be cleaned on an annual basis. The Monitor shall be notified at least three days in advance of the flushing. A report summarizing the flushing activities shall be included with the Quarterly Report (covering the period during which the leachate line flushing was accomplished) required by Special Condition No. 48 of this permit.

Landfill Monitoring

38. Weekly inspections of incoming waste loads for unacceptable wastes shall be conducted. The results of the inspection shall be logged and maintained on file at the landfill. Additional random inspections shall be performed as requested by the Monitor.

39. Exterior landfill side slopes shall be inspected weekly for slope failure, erosion and other structural problems. The results of the inspection shall be logged and maintained on file at the landfill. All observed problems shall be reported, within seven days, to the RSME, with a schedule for repairs.

40. The permittee shall, on a weekly basis, record in a log the leachate level in the following manholes:

    a. Sanitary Landfill V manholes A-2U and C-4U.

    b. Sanitary Landfill VI manholes 10-B, 11-U, C-5U, C-8U and D-6U.

    The log shall also show the permitted maximum elevation (see table on next page) of leachate in the manhole. A copy of this log shall be submitted to the RSME, with the Quarterly Report required by Special Condition No. 48 of this permit.

SPECIAL CONDITIONS

Landfill	Subarea	as measured in manhole	maximum elevation	maximum level in manhole (feet)
V	A/B	A-2U	592.7	8.5
V	C	C-4U	587.7	7.1
VI	A	10-B	583.4	7.3
VI	B	11-U	584.6	3.2
VI	C	C-5U	594.6	4.1
VI	C	C-8U	595.9	4.8
VI	D	D-6U	599.7	3.7

41. The secondary leachate flow rates for each subarea in Sanitary Landfills V, VI and VIII shall be measured and recorded, in a log, whenever the manholes are checked. This check shall be completed at a minimum frequency of once per week. A tabular summary of the recorded data shall be submitted with the Quarterly Report required by Special Condition No. 48 of this permit.

42. The Action Leakage Rate (ALR) for the landfill shall not exceed 20 gpad, except during initial filling of the cell (an average of 40 feet of solid waste has been deposited across the floor of each subarea). When the 20 gpad limit [as defined by 6 NYCRR Part 360-2.10(b)(2)] is exceeded, the contingency plan shall be immediately implemented. In addition, the collected liquid shall be tested for pH, specific conductivity, alkalinity, chloride, sulfate, manganese, iron and ammonia. The analytical results shall be compared to the most recent primary and secondary leachate analytical data to assist in determining if the flow in the secondary system is attributable to leakage through the primary liner system.

43. For Sanitary Landfills V, VI and VIII, the permittee shall conduct the Detection Monitoring Program described in the "Proposed Sanitary Landfill VIII Environmental Monitoring Plan" (see Special Condition No. 1.g. of this permit). Under Detection Monitoring, whenever the permittee ascertains groundwater quality, the permittee must determine whether there has been a statistically significant increase in any indicator parameter when compared against established background values. That determination must be made for each indicator parameter except ammonia in wells 87-127, 87-128-3 and 88-131-3A. Ammonia data from these wells shall be evaluated using the confidence interval procedure that was proposed in the November 1989 report. The method for this determination shall be as specified in the "Proposed Sanitary Landfill VIII Environmental Monitoring Plan" (see Special Condition No. 1.g. of this permit). Any changes to this procedure will require a modification to this permit. The Detection Monitoring Program shall be implemented during the operation of the landfill and shall continue for a period of no less than 30 years beyond the final closure of Sanitary Landfill Areas V, VI and VIII.

44. If waste constituents are consistently present in the groundwater monitoring wells described in this permit below the statistical "trigger" levels, the Department may require the permittee to perform additional sampling and install additional wells to determine whether the constituents originate in the landfill.

45. If the permittee or the RSME determines that the groundwater monitoring program required by this permit no longer satisfies the requirements of 6 NYCRR Part 360, the permittee must, within 90 days, submit an application for a permit modification which describes the change(s) that will be necessary to maintain regulatory compliance at the site.

Closure

46. The facility shall be properly closed in accordance with 6NYCRR Part 360-2.15 and the approved Closure Plan to be submitted in accordance with Special Condition No. 17 of this permit. The final elevation of Sanitary Landfill Areas V and VIII shall not exceed 730 feet above sea level.

SPECIAL CONDITIONS

Post-Closure

47. Post-closure monitoring and maintenance of Sanitary Landfills I, II, III, IV and VI (Subareas A, B, C, and D) shall be in accordance with the manual entitled "Sanitary Landfills I through VI Post-Closure Monitoring and Maintenance Operations Manual" (see Special Condition No. 1.h.). The manual shall be updated, as needed, to reflect any operational modification.

Quarterly/Annual Report

48. A Quarterly Report shall be prepared on activities occurring during the Quarter in question (January 1 to March 31, April 1 to June 30, July 1 to September 30, October 1 to December 31) and must be submitted no later than 60 days after the last day of the Quarter in question. All Quarterly Reports must be submitted on the forms provided by the Department (see attached) or electronically, as specified by the Department and shall also contain the following:

a. Amounts of waste, for each type of waste listed in the most recent edition of the NYSDEC Active Landfill Annual/Quarterly Report, received.

b. The amount of each type of ADC received during the Quarter.

c. Report on receipt of unauthorized non-hazardous waste received during the Quarter (see Special Condition No. 25 of this permit).

d. Amount of leachate collected from the primary and secondary leachate collection systems for each subarea of Sanitary Landfills V, VI and VIII on a monthly basis.

e. The monthly Action Leakage Rate (ALR) for the secondary collection system of each stage of the landfills.

f. Weekly leachate level logs (see Special Condition No. 40 of this permit).

g. Calibration and maintenance logs for leachate flowmeter/totalizers in manholes MH-10A, MH-11L, MH-8, C-5L, C-8L, D-6L, A-2L and C-4L.

h. Results of the annual leachate transfer line cleaning and pressure testing (see Special Condition No. 36 of this permit).

I. Results of the annual primary leachate collection system line cleaning (see Special Condition No. 37 of this permit).

49. An Annual Report must be prepared on activities occurring during the calendar year and must be submitted no later than March 1 of the following year. The Annual Report must be submitted on forms provided by the Department (see attached) or electronically, as specified by the Department. The Annual Report shall contain all the information required in Part 360-2.17(t) and the following:

a. An updated topographic map.

b. Any changes to the fill progression plan.

c. An updated cost estimate for closure/post-closure activities to reflect inflation and/or any changes that may impact closure or post-closure.

SPECIAL CONDITIONS

d. Unusual events or accidents at the landfill and responses taken by landfill personnel.

e. Any changes in water quality which have occurred throughout the report year and a summary of the water quality information.

f. Any changes from the approved plans, reports and specifications or permit, along with a justification for the change.

g. A list of municipalities serviced by the facility (see Special Condition No. 5 of this permit).

50. All Quarterly and Annual Reports shall be submitted to the following agencies:

NYSDEC
Division of Solid & Hazardous Materials
625 Broadway
Albany, NY 12233

NYSDEC
270 Michigan Avenue
Buffalo, NY 14203-2999
Attn: Regional Solid Materials Engineer (RSME)

Niagara County Health Department
5467 Upper Mountain Rod
Lockport, NY 14094
Attn: Director of Environmental Health

Financial Surety

51. In accordance with 6 NYCRR Part 360-1.12 and Part 360-2.19, the permittee shall maintain a financial surety acceptable to the RSME for closure and for 30 years of post-closure monitoring and maintenance.

52. Within 60 days of Department approval of the annual revised closure and post-closure estimates provided in accordance with Special Condition No. 51 of this permit, a revised financial surety(s) shall be submitted (if needed) to the RSME.

DEC Environmental Monitor (Monitor)

53. The previously established account to fund Environmental Monitoring activity at the permittee's facilities shall be maintained with the Department. This funding shall be used to monitor the Niagara Recycling Landfill Facility.

The Monitor will monitor the above-noted facility for compliance with its Solid Waste Management Facility Permit, 6 NYCRR Part 360, and other Department permits and regulations applicable to the facility. As required, the Monitor will assist in any legal enforcement activities resulting from the monitoring activities. The Monitor will also review permit applications, engineering reports, construction certifications, and applications for waste stream approval. Funding for the Monitor will be determined based on the Monitor being assigned to the facility for one-half of his/her time.

SPECIAL CONDITIONS

The requirements of the environmental monitoring account are as follows:

a. Funds as required to support the monitoring requirements shall be provided to the Department for funding of environmental compliance activities related to the operation of the permittee's facility. This sum is based on annual Monitor service costs and is subject to annual revisions. Subsequent annual payments shall be made for the duration of this Permit to maintain an account balance sufficient to meet the next year's anticipated expenses. The permittee shall be billed annually for each fiscal year beginning April 1. The permittee shall make payment 30 days in advance of April 1.

b. The Department may revise the required payment on an annual basis to include all costs of monitoring to the Department. The annual revision may take into account factors such as inflation, salary increases, changes in operating hours and procedures and the need for additional Monitors and supervision of such Monitors by full-time Monitor Supervisors. Upon written request by the permittee, the Department shall provide that entity a written explanation of the basis for any modification. If such a revision is required, the Department will notify the permittee of such revision no later than 60 days in advance of any such revision.

c. Prior to making its annual payment, the permittee will receive and have an opportunity to review an annual work plan that the Department will undertake during the year.

d. Payments are to be in advance of the period in which they will be expended.

Other Conditions

54. The permittee agrees, by acceptance of this permit, that authorized Department representatives have a full right of entrance, inspection, and review of records pertaining to landfill operation and maintenance and all information pertaining to waste receipts during normal operating hours; and following 48 hours notice, such other hours as may be deemed necessary by the Department.

55. This permit does not relieve the permittee from the responsibility of complying with other Federal, State and/or local laws, rules and regulations.

56. Upon transfer of ownership of this facility, provisions shall be included in the property deed stating the period of time during which the property was used as a landfill and a description of the waste contained therein. The fact that records including the limits of the landfill waste within the property and describing the length of time the property was used as a landfill and a description of wastes disposed of on-site are on file with this Department shall also be noted on the deed. This deed shall be filed with the Niagara County Clerk's Office.

57. If any condition of this permit conflicts with the approved reports and plans identified in Special Condition No. 1, the permit conditions shall prevail over the plans unless specific written approval for such a change is obtained from the Department prior to the implementation.

58. Where there are conflicts between elements of the approved plans, the most recently dated approved element shall prevail with respect to the conflicting material.

59. This permit supersedes all previously issued Solid Waste Management Permits and Permit Modifications for this facility.

60. In the event of an emergency, including but not limited to fires, explosions, waste spills on-site or known waste spills en route to the landfill, the RSME or the Monitor shall be notified of the emergency immediately. The details of the incident and the remediation or corrective action(s) taken shall be described in writing to the RSME within five working days of the incident.

cc: Mr. Mark Haris, NYSDEC, Division of Solid and Hazardous Materials, Buffalo/Attn: Mr. James Sacco
Mr. Scott Menrath, NYSDEC, Division of Solid and Hazardous Materials, Albany
Mr. James Devald, Niagara County Health Department

SPECIAL CONDITIONS

APPROVED PLAN SHEETS FOR NIAGARA RECYCLING LANDFILL SANITARY LANDFILL AREA V, SUBAREA A AND B PREPARED BY GZA GEOENVIRONMENTAL OF NEW YORK, INC.

Drawing #	Title	Date	Last Revised Date
55060-C-101	Cover Sheet and Drawing Index	December 1997	none
55060-C-102	Site and Subsurface Exploration Location Plan	December 1997	none
55060-C-103	Cross Sections A-A and B-B	December 1997	none
55060-C-104	Approximate Top of Bedrock Elevation Contour Plan	December 1997	none
55060-C-105	Approximate Top-of-Rock High Groundwater Elevation Contour Plan	December 1997	none
55060-C-106	Design Top of Subgrade Contour Plan (Subarea A)	December 1997	none
55060-C-107	Design Top of Final Grade Contour Plan (Subarea A)	December 1997	none
55060-C-108	Separation Top of Subgrade from Groundwater and Bedrock (Subarea A)	December 1997	none
55060-C-109	Secondary Leachate Collection & Transfer System (Subarea A)	December 1997	none
55060-C-110	Primary Leachate Collection & Transfer System (Subarea A)	December 1997	none
55060-C-111	Design Top of Subgrade Contour Plan (Subarea B)	December 1997	none
55060-C-112	Design Top of Final Grade Contour Plan (Subarea B)	December 1997	none
55060-C-113	Separation Top of Subgrade from Groundwater and Bedrock (Subarea B)	December 1997	none
55060-C-114	Secondary Leachate Collection & Transfer System (Subarea B)	December 1997	none
55060-C-115	Primary Leachate Collection & Transfer System (Subarea B)	December 1997	none
55060-C-116	Leachate Transfer System Plans	December 1997	none
55060-C-117	Leachate Transfer System Profiles	December 1997	none
55060-C-118	Design Top of Final Grade Contour Plan (Subareas A and B)	December 1997	none
55060-C-119	Cross Sections C-C, D-D and E-E	December 1997	none
55060-C-120	Typical Berm and Channel Sections	December 1997	none
55060-C-121	Typical Details	December 1997	none
55060-C-122	Typical Pipe Details	December 1997	none
55060-C-123	Typical Manhole Details	December 1997	none
55060-C-124	Typical Lift Station Details	December 1997	none
55060-C-125	Design Top of Final Cover System (Subarea A)	December 1997	none
55060-C-126	Cross Sections F-F and G-G	December 1997	none
55060-C-127	Design Top of Final Cover System (Subareas A and B)	December 1997	October 1999
55060-C-128	Cross Sections H-H and I-I	December 1997	October 1999
55060-C-129	Typical Final Cover System Details	December 1997	none

SPECIAL CONDITIONS

APPROVED PLAN SHEETS FOR NIAGARA RECYCLING LANDFILL SANITARY LANDFILL AREA V, SUBAREA C PREPARED BY GZA GEOENVIRONMENTAL OF NEW YORK, INC.

Drawing #	Title	Date	Last Revised Date
55597-C-001	Cover Sheet and Drawing Index	April 2002	6/25/02
55597-C-002	Site Plan	April 2002	none
55597-C-003	General Existing Site Conditions, Subsurface Explorations & Fill Descriptions	April 2002	none
55597-C-004	Top of Bedrock Surface Elevation	April 2002	none
55597-C-005	Top of Rock Groundwater Elevations	April 2002	none
55597-C-006	Excavation Plan	April 2002	none
55597-C-007	Top of Subgrade Fill Type I Plan	April 2002	none
55597-C-008	Top of Subgrade Fill Type II Plan	April 2002	none
55597-C-009	Approximate Separation Top of Subgrade Fill Type II from Top of Bedrock	April 2002	none
55597-C-010	Approximate Separation top of Subgrade Fill Type II from Top of Rock Groundwater	April 2002	none
55597-C-011	Top of Liner System-Final Grade	April 2002	none
55597-C-012	Secondary Leachate Collection/Transfer System Pipe Network Plan	March 2002	6/25/02
55597-C-013	Primary Leachate Collection/Transfer System Pipe Network Plan	March 2002	6/25/02
55597-C-014	Cross-Sections A-A and B-B	May 2002	6/25/02
55597-C-015	Cross-Sections C-C and D-D	February 2002	none
55597-C-016	Cross-Section E-E	May 2002	6/25/02
55597-C-017	Typical Berm Detail Sta. 0+00 to Sta. 7+40.88	April 2002	none
55597-C-018	Typical Berm Detail Sta. 7+40.88 to Sta. 8+40.94	April 2002	none
55597-C-019	Typical Berm Detail Sta. 8+40.94 to Sta. 11+52.79	April 2002	none
55597-C-020	Typical Berm Detail Sta. 11+52.79 to Sta. 18+61.47; Sta. 18+16.47 to Sta. 20+41.01	April 2002	none
55597-C-021	Typical Berm Detail Sta. 20+41.01 to Sta. 27+22.42; Sta. 27+22.42 to Sta. 30+66.44	April 2002	none
55597-C-022	Primary Leachate Transfer System Connection Between Subareas A & C, MH's A-3U Thru A-7U, Phase I	May 2002	6/25/02
55597-C-023	Primary Leachate Transfer System Connection Between Subareas A & C, MH's A-3U Thru A-7U, Phase II	May 2002	6/25/02
55597-C-024	Detail of Piping Modifications & Abandonment of Existing Subarea A Secondary System Manholes A-3L thru A-8L	May 2002	6/25/02
55597-C-025	Berm/Landfill Floor Configuration thru MH A-7U	May 2002	6/25/02
55597-C-026	Leachate Transfer System Connection Between Subareas A & C, MH A-8U	May 2002	6/25/02
55597-C-027	Landfill Floor & Leachate Collection System Detail	May 2002	6/25/02
55597-C-028	Typical Manhole Details	May 2002	6/25/02
55597-C-029	Details for Manholes C-4U & C-4L	May 2002	6/25/02
55597-C-030	Details for Manholes C-6U & C-6L	May 2002	6/25/02
55597-C-031	Pipe Bedding Details	May 2002	6/25/02
55597-C-032	Leachate Collection/Transfer Pipe Connection Detail, Geomembrane Boot Detail, & Anchor Trench Detail	May 2002	6/25/02
55597-C-033	Design Top of Final Cover System (Subareas A/B/C)	April 2002	none
55597-C-034	Final Cover System Cross-Sections F-F, G-G and H-H	April 2002	none
55597-C-035	Typical Final Cover System Details	March 2002	none

SPECIAL CONDITIONS

APPROVED PLAN SHEETS FOR NIAGARA RECYCLING LANDFILL SANITARY LANDFILL VIII DEIS PERMIT DRAWINGS PREPARED BY GZA GEOENVIRONMENTAL OF NEW YORK, INC.

Drawing #	Title	Date	Last Revised Date
55597.1-C-001	Cover Sheet and Drawing Index	December 2004	none
55597.1-C-002	Site Plan	December 2004	none
55597.1-C-003	General Existing Site Conditions & Fill Descriptions	December 2004	none
55597.1-C-004	Top of Bedrock Surface Elevations	December 2004	none
55597.1-C-005	Top of Rock Groundwater Elevations	December 2004	none
55597.1-C-006	Top of Clay Groundwater Elevations	December 2004	none
55597.1-C-007	Option 1, Top of Landfill Liner	December 2004	none
55597.1-C-008	Option 1, Excavation Plan	December 2004	none
55597.1-C-009	Option 1, Top of Subgrade Fill	December 2004	none
55597.1-C-010	Option 1, Approximate Separation Top of Subgrade Fill from Top of Bedrock	December 2004	none
55597.1-C-011	Option 1, Approximate Separation Top of Subgrade Fill from Top of Rock Groundwater	December 2004	none
55597.1-C-012	Option 1, Approximate Separation Top of Subgrade Fill from Top of Clay Groundwater	December 2004	none
55597.1-C-013	Option 1, Cross-Section A-A	December 2004	none
55597.1-C-014	Option 1, Cross-Section B-B	December 2004	none
55597.1-C-015	Option 1, Secondary Leachate Collection/Transfer Lines	December 2004	none
55597.1-C-016	Option 1, Primary Leachate Collection/Transfer Lines and Surface Drainage Plan	December 2004	none
55597.1-C-017	Option 2, Top of Landfill Liner	December 2004	none
55597.1-C-018	Option 2, Excavation Plan	December 2004	none
55597.1-C-019	Option 2, Top of Subgrade Fill	December 2004	none
55597.1-C-020	Option 2, Approximate Separation Top of Subgrade Fill from Top of Bedrock	December 2004	none
55597.1-C-021	Option 2, Approximate Separation Top of Subgrade Fill from Top of Rock Groundwater	December 2004	none
55597.1-C-022	Option 2, Approximate Separation Top of Subgrade Fill from Top of Clay Groundwater	December 2004	none
55597.1-C-023	Option 2, Cross-Section A-A	December 2004	none
55597.1-C-024	Option 2, Cross-Section B-B	December 2004	none
55597.1-C-025	Option 2, Leachate Collection/Transfer Lines and Surface Drainage Plan	December 2004	none
55597.1-C-026	Option 3, Top of Landfill Liner	December 2004	none
55597.1-C-027	Option 3, Excavation Plan	December 2004	none
55597.1-C-028	Option 3, Top of Subgrade Fill	December 2004	none
55597.1-C-029	Option 3, Approximate Separation Top of Subgrade Fill from Top of Bedrock	December 2004	none
55597.1-C-030	Option 3, Approximate Separation Top of Subgrade Fill from Top of Rock Groundwater	December 2004	none
55597.1-C-031	Option 3, Approximate Separation Top of Subgrade Fill from Top of Clay Groundwater	December 2004	none
55597.1-C-032	Option 3, Cross-Section A-A	December 2004	none
55597.1-C-033	Option 3, Cross-Section B-B	December 2004	none
55597.1-C-034	Option 3, Leachate Collection/Transfer Lines and Surface Drainage Plan	December 2004	none
55597.1-C-035	Option 4, Top of Landfill Liner	December 2004	none
55597.1-C-036	Option 4, Excavation Plan	December 2004	none
55597.1-C-037	Option 4, Top of Subgrade Fill	December 2004	none
55597.1-C-038	Option 4, Approximate Separation Top of Subgrade Fill from Top of Bedrock	December 2004	none
55597.1-C-039	Option 4, Approximate Separation Top of Subgrade Fill from Top of Rock Groundwater	December 2004	none

SPECIAL CONDITIONS

APPROVED PLAN SHEETS FOR NIAGARA RECYCLING LANDFILL SANITARY LANDFILL VIII DEIS PERMIT DRAWINGS PREPARED BY GZA GEOENVIRONMENTAL OF NEW YORK, INC.

Drawing #	Title	Date	Last Revised Date
55597.1-C-040	Option 4, Cross-Section A-A	December 2004	none
55597.1-C-041	Option 4, Cross-Section B-B	December 2004	none
55597.1-C-042	Option 4, Leachate Collection/Transfer Lines and Surface Drainage Plan	December 2004	none
55597.1-C-043	Connection of Clean-Out Access Pipes to Existing Sanitary Landfill VI Leachate Transfer Lines	December 2004	none
55597.1-C043.1	Details for Secondary Lift Station Manhole for Tie-In to San VI Landfill	June 2005	none
55597.1-C-044	Cross-Sections of Liner Tie-In from Sanitary Landfill VIII to Existing Sanitary Landfill VI	December 2004	none
55597.1-C-045	Cross-Sections of Liner Tie-In from Sanitary Landfill VIII to Existing Sanitary Landfill V	December 2004	none
55597.1-C-046	Modifications & Abandonment of Existing Manholes and Leachate Transfer Lines Sanitary Landfill VI	December 2004	none
55597.1-C-047	Details for Sanitary Landfill VIII Floor & Leachate Collection System & Clean-Out Access Pipes for Liner Constructed on Existing Sanitary Landfill VI Sideslopes	December 2004	none
55597.1-C-048	Leachate Collection System/Cleanout Access Pipe Details (Applicable to Option 1 Only)	December 2004	none
55597.1-C-049	Typical Secondary Leachate Collection System Manhole Details	December 2004	8/2005
55597.1-C-050	Typical Primary Leachate Collection System Manhole Details	December 2004	8/2005
55597.1-C-051	Details of Typical Pipe Bedding	December 2004	none
55597.1-C-052	Leachate Collection/Transfer Pipe Detail, Geomembrane Boot Detail & Anchor Trench Detail	December 2004	none
55597.1-C-053	Top of Final Cover System	December 2004	none
55597.1-C-054	Final Cover System Cross Sections	December 2004	none
55597.1-C-055	Typical Final Cover System Tie-In Sanitary Landfill VIII to Sanitary Landfill VI	December 2004	none
55597.1-C-056	Typical Final Cover System Details for Sanitary Landfill VIII	December 2004	none

SPECIAL CONDITIONS

APPROVED PLAN SHEETS FOR NIAGARA RECYCLING LANDFILL SANITARY LANDFILL VIII, SUBAREAS A & B PERMIT DRAWINGS PREPARED BY GZA GEOENVIRONMENTAL OF NEW YORK, INC.

Drawing #	Title	Date	Last Revised Date
55597.1-C-101	Cover Sheet and Drawing Index	December 2004	none
55597.1-C-102	Site Plan	December 2004	none
55597.1-C-103	General Existing Site Conditions & Fill Descriptions	December 2004	none
55597.1-C-104	Top of Bedrock Surface Elevations	December 2004	none
55597.1-C-105	Top of Rock Groundwater Elevations	December 2004	none
55597.1-C-106	Top of Clay Groundwater Elevations	December 2004	none
55597.1-C-107	Subarea A Top of Landfill Liner Grading Plan	December 2004	none
55597.1-C-108	Subarea A Secondary Leachate Collection/Transfer System	December 2004	none
55597.1-C-109	Subarea A Primary Leachate Collection/Transfer System	December 2004	none
55597.1-C-110	Subareas A & B Top of Landfill Liner Grading Plan	December 2004	none
55597.1-C-111	Subareas A &B Secondary Leachate Collection/ Transfer System	December 2004	none
55597.1-C-112	Subareas A & B Primary Leachate Collection/ Transfer System	December 2004	June 2005
55597.1-C-113	Subareas A & B Excavation Plan	December 2004	none
55597.1-C-114	Subareas A & B Top of Subgrade Fill	December 2004	none
55597.1-C-115	Subareas A & B Approximate Separation Top of Subgrade Fill from top of Bedrock	December 2004	none
55597.1-C-116	Subareas A & B Approximate Separation Top of Subgrade Fill from Top of Rock Groundwater	December 2004	none
55597.1-C-117	Subareas A & B Approximate Separation Top of Subgrade Fill from Top of Clay Groundwater	December 2004	none
55597.1-C-118	Subareas A & B Cross-Sections A-A & B-B	December 2004	none
55597.1-C-119	Subarea A & B Cross-Section C-C	December 2004	none
55597.1-C-120	Typical Containment Berm Cross-Sections	December 2004	none
55597.1-C-121	Subarea A Temporary Leachate Removal System Cross-Sections	December 2004	June 2005
55597.1-C-121.1	Cross-Section of Leachate Transfer System Through Subarea A/Subarea B Internal Berm	June 2005	none
55597.1-C-121.2	Typical Cross-Section of Sanitary Landfill VIII Subarea A Berm Construction and Liner Tie-In Sanitary Landfill VIII Subarea B to Sanitary Landfill VIII Subarea A	June 2005	none
55597.1-C-122	Cross-Section of Leachate Transfer Pipe Connections from San LF VIII, Sub. A to Future San LF VIII, Sub. F	December 2004	June 2005
55597.1-C-123	Cross-Sections of Liner Tie-In to San LF V, Subareas A & C	December 2004	none
55597.1-C-124	Cross-Sections of Liner Tie-In to San LF V, Subarea B	December 2004	none
55597.1-C-125	Details of Landfill Floor Cross-Section & Leachate Collection System Detail and Primary Leachate Collection System Cleanout Access Pipes	December 2004	none
55597.1-C-126	Typical Secondary Leachate Collection System Manhole Details	December 2004	8/2005
55597.1-C-126.1	Details for Lift Station Manhole AB8-1L & Typical Geomembrane/Manhole Boot Detail	June 2005	none

SPECIAL CONDITIONS

APPROVED PLAN SHEETS FOR NIAGARA RECYCLING LANDFILL SANITARY LANDFILL VIII, SUBAREAS A & B PERMIT DRAWINGS PREPARED BY GZA GEOENVIRONMENTAL OF NEW YORK, INC.

Drawing #	Title	Date	Last Revised Date
55597.1-C-127	Typical Primary Leachate Collection System Manhole Details	December 2004	8/2005
55597.1-C-128	Leachate Collection/Transfer Pipe Detail, Pipe Bedding Detail, Geomembrane Boot Detail & Anchor Trench Detail	December 2004	none
55597.1-C-129	Subareas A & B Top of Final Cover System	December 2004	none
55597.1-C-130	Final Cover System Cross Sections	December 2004	none
55597.1-C-131	Typical Final Cover System Details	December 2004	none
55597.1-C-132	San LF VIII Flume Leachate Collection System Coverage Area	August 2005	none
55597.1-C-133	San LF VIII Flume Plan & Profile	August 2005	none

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Materials Management, Region 9
270 Michigan Avenue, Buffalo, NY 14203-2915
P: (716) 851-7220 I F: (716) 851-7226
www.dec.ny.gov

October 25, 2016

Mr. David Hanson
Environmental Manager
Allied Waste
5600 Niagara Falls Boulevard
Niagara Falls, New York 14304

Dear Mr. Hanson:

Allied Waste Niagara Falls Landfill, LLC,
#32S11
Permit #9-2911-00119/00005

In response to your inquiry regarding the validity of your Solid Waste Management Permit, be advised that in accordance with paragraph 360-1.8(f)(2) of the State of New York's Rules and Regulations (NYCRR), a permittee may continue construction or operation as authorized under an expired permit under the provisions of section 401.2 of the State Administrative Procedure Act (SAPA) if the permittee files a timely and complete renewal application 180 days before the existing permit expires.

A timely and complete renewal application of your Solid Waste Management Permit #9-2911-00119/00005, which has an expiration date of November 30, 2015, has been received by the Department. Therefore, you are authorized to continue operation under the terms of your permit until it is rescinded or a new permit is issued.

Should you have any questions or comments, please contact me at (716) 851-7220.

Sincerely,

Peter Grasso

Peter Grasso, P.E.
Regional Materials Management Engineer

PG/bb

ec: Mr. Richard Stroh, NYSDEC
Ms. Lisa Czechowicz, NYSDEC
Mr. Mark Passuite, NYSDEC

CHAFFEE LANDFILL
WASTE MANAGEMENT OF NEW YORK, LLC

10860 Olean Road
Chaffee, NY 14030
716-492-3433

December 4, 2016

RE: Status of 6 NYCRR Part 360 Permit #9-1462-00001/00006

The 6 NYCRR Part 360 Solid Waste Management Facility Operating Permit for Waste Management of New York, LLC (WMNY) Chaffee Landfill has an expiration date of December 4, 2016. A renewal application was submitted to the New York State Department of Environmental Conservation (NYSDEC) on March 7, 2016 in accordance with state regulations 6 NYCRR Part 360-1.8(f)(1) and 621.11. The Chaffee Landfill will continue to operate under the current permit according to paragraph (2) of Part 360-1.8(f) regulations, which states that "*A permittee may continue construction or operation as authorized under the expiring permit under the provisions of section 401.2 of the State Administrative Procedure Act only if the permittee files a timely and complete renewal application as provided for under paragraph (1) of this subdivision. Such authority does not extend to any modification of the terms and conditions of the existing permit.*"

Michael D. Mahar
Sr. District Manager
Waste Management of New York, LLC
Chaffee Landfill

Customer Audit Manual



US Ecology Michigan

Presents...

Michigan Disposal Waste Treatment Plant
Wayne Disposal, Inc., Site #2 Landfill

49350 North I-94 Service Drive
Belleville, MI 48111
Phone (734) 699-6201
Fax (734) 699-3499
www.usecology.com

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5. MDWTP Treatment Capabilities
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20. MDWTP/WDI List of Acceptable Waste Codes
21. ISO Certificates

I. Facility Overview

Regional Office
17440 College Parkway, Suite 300
Livonia, MI 48152
T 734.521.8000

Corporate Office
251 E. Front Street, Suite 400
Boise, ID 83702
T 800-590-5220

Hours 8:00 a.m. – 5:00 p.m.
Monday - Friday

Michigan Disposal Waste Treatment Plant (MDWTP)
49350 North I-94 Service Drive
Belleville, MI 48111
Storage, treatment and stabilization of hazardous and non-hazardous wastes.

EPA ID#	MID 000 724 831
NAICS Code	562211
SIC Code	4953
Federal Tax ID#	38-2115534
Dun & Bradstreet	05-897-2555

Wayne Disposal, Inc., Site #2 (WDI)
49350 North I-94 Service Drive
Belleville, MI 48111
Active hazardous waste and TSCA landfill, closed non-hazardous waste landfill.

EPA ID#	MID 048 090 633
NAICS Code	562211
SIC Code	4953
Federal Tax ID#	38-1579154
Dun & Bradstreet	04-809-0633

Hours 7:00 a.m. – 5:00 p.m.
Monday – Friday
(also by appointment)

MDWTP and WDI (located at Site #2) are independent companies, which are represented in the marketplace by US Ecology Michigan. Company associates proudly present the following information as an overview of the WDI and MDWTP facilities. Each facility is a separately permitted Treatment, Storage and Disposal Facility (TSDF) that provides safe and effective hazardous waste management solutions. If the answers to your questions about these facilities do not appear in the following pages, all you need to do is ask and an associate will be pleased to provide you with the information you seek.

In June, 2014, EQ was acquired by US Ecology, Inc., which is headquartered in Boise, Idaho. US Ecology is a leading North American provider of environmental services to commercial and government entities. The Company addresses the complex waste management needs of its customers, offering treatment, disposal and recycling of hazardous and radioactive waste, as well as a wide range of complementary field and industrial services and has been protecting the environment since 1952. For more information visit www.usecology.com.

II. Operations

Waste Evaluation, Pre-Approval and Receipt

In order to utilize this facility, a generator must send the completed Generator Waste Profile along with supporting analytical laboratory reports or Material Safety Data Sheets. A one-quart sample of the waste may be required for additional analysis. Simultaneously, a completed New Account Application form should be submitted to US Ecology's regional office to establish an account. If the waste can be treated, US Ecology personnel will provide a Letter of Approval and the appropriate Land Disposal forms to accompany each new waste profile or Waste Profile.

The price quote is signed by the customer and returned to US Ecology, indicating acceptance of the terms. A manifest, or appropriate shipping document must accompany each load to the facility. Upon arrival at the facility, the transporter is directed by site security to the waste receipt area where the vehicle is weighed and a sample of the waste and the shipping documents are reviewed for consistency with the Waste Profile for the wastestream.

If the waste does not match the Waste Profile or other inconsistencies appear on the manifest or Land Disposal Restriction form, the discrepancy is resolved through discussions, as appropriate, with the transporter, broker or generator.

If significant discrepancies in type or quantity of waste cannot be resolved, even after discussions, the load is rejected. US Ecology personnel will assist the transporter in making arrangements and procuring shipping documents needed to move the waste to the appropriate destination.

Container Storage and Containment Areas



Drums are unloaded from the trucks in a container staging area. The staging area is designed to hold the current permitted inventory of 400 containers or 22,000 gallons of waste. There is also a container storage area which never exceeds the current permitted capacity of 1,500 containers or 82,500 gallons. The concrete bases of the staging and storage areas are sloped to blind sumps to contain and control any potential spill. All waste containing storage tanks (#16, 17, 18, 19, 25 and 27) are within a diked containment area.

Treatment Processes and Quality Control – Stabilization and Chemical Oxidation

MDWTP uses two primary treatment processes, chemical fixation (also known as stabilization, solidification or pozzolanic stabilization), and chemical oxidation. Chemical fixation relies on using treatment reagents rich in stabilization and solidification agents to provide a solid stabilized mass when mixed with wastes in a semi-aqueous medium. The most commonly utilized materials in the MDWTP process are soluble silicates, lime, cement kiln dust, fly ash, and in part, electric arc furnace dust. All compounds contain either soluble silicates, 10-30% calcium oxide or a combination of the two and effectively stabilize waste in a slightly exothermic reaction.

The chemical oxidation process involves mixing an oxidizing agent into wastes. Chemical oxidation is used to treat wastes containing organic contaminants and is effective in destroying organics by breaking the carbon to carbon bonds. In addition to our primary treatment processes, we also offer chemical Deactivation, Neutralization, Microencapsulation, and Chemical Reduction (See Appendix 5).

Prior to removal from the treatment tank, each batch of waste treated in the plant is appropriately analyzed, using the required SW-846 test methods to ensure that all applicable treatment standards have been met. After clearance to remove the treated waste is granted to the plant operators by the analytical laboratory staff, the material is then removed for final disposal. A land disposal certification for each batch documents the attainment of levels below land disposal restriction standards for the applicable constituent of concern.

Treatment residuals of the listed wastes continue to be managed as hazardous wastes in accordance with the mixture and derived-from rules. Such treated hazardous wastes are sent to Wayne Disposal's Subtitle C Hazardous Waste Landfill, located adjacent to Michigan Disposal Waste Treatment Plant.

Treatment residuals of the characteristic wastes are no longer regulated as hazardous wastes. Such nonhazardous waste is sent to an appropriately permitted facility.

All MDWTP operating log documents, including analytical results and certifications, are maintained at Site #2 in accordance with the appropriate records retention requirements.

Storage Tanks For Treatment Reagents and Wastes

Tank Storage Number, Capacity, and Description listed below.

1	20,000 gal.	Hazardous waste/Lime storage silo
2	20,000 gal.	Hazardous waste/Lime storage silo
3	20,000 gal.	Hazardous waste/Lime storage silo
4	20,000 gal.	Hazardous waste/Lime storage silo
5	20,000 gal.	Hazardous waste/Lime storage silo
6	20,000 gal.	Hazardous waste/Lime storage silo
11	40,000 gal.	Non-hazardous Sludge Receiving Tank
12	40,000 gal	Non-hazardous Sludge Receiving Tank
16	20,000 gal	Hazardous Waste/Reagent storage Tank
17	20,000 gal	Hazardous Waste/Reagent storage Tank
18	20,000 gal	Hazardous Waste/Reagent storage Tank
19	20,000 gal	Hazardous Waste/Reagent storage Tank
25	20,000 gal	Hazardous Waste/Reagent storage Tank
27	20,000 gal	Hazardous Waste/Reagent storage Tank
1B	20,000 gal	Hazardous Waste/Reagent storage Tank

Treatment Facility Design and Construction

MDWTP was constructed in 1990 and allows liquid and solid wastes from select generators to be combined in batches formulated for treatment to levels below land disposal restriction levels. Treatment occurs concurrently with physical solidification in tanks. The treatment tanks are steel tanks that are built completely within a concrete containment structure. The base of the concrete containment slopes toward the north and east to a low point beneath the northeast corner of each tank. A monitoring well is located at the low point to demonstrate that no liquids are released from the primary containment area.



MDWTP Treatment Tanks

TREATMENT TANK NO.	CAPACITY	DESCRIPTION
A	280 Cu. yd.	Hazardous Waste Storage /Treatment Tank
B	280 Cu. yd.	Hazardous Waste Storage /Treatment Tank
C	235 Cu. yd.	Hazardous Waste Storage /Treatment Tank
D	235 Cu. yd.	Hazardous Waste Storage /Treatment Tank
E	235 Cu. yd.	Hazardous Waste Storage /Treatment Tank
F	235 Cu. yd.	Hazardous Waste Storage /Treatment Tank
G	280 Cu. yd.	Hazardous Waste Storage /Treatment Tank
H	280 Cu. yd.	Hazardous Waste Storage /Treatment Tank

Secure Landfill Disposal at Wayne Disposal, Inc.



Wayne Disposal, Inc. (WDI) provides secure disposal for hazardous waste. Master Cell VI is currently accepting hazardous, TSCA, NORM/TENORM and other certain radiological wastes for disposal. The design and construction criteria for this cell can be found in Appendix 14. A minimum of ten feet of continuous native clay underlies the double composite liner system. The composite liner combines the impermeability of a high density polyethylene (HDPE) with the stability of the supporting clay layer.

Between the primary and secondary composite liners there is a drainage net covered by a fabric filter which is sloped to a sump. This structure comprises the leak detection, collection and removal system (LDCRS). Further details about the LDCRS can be found in Section VII, Environmental Monitoring.

All WDI operating records are maintained at WDI in accordance with applicable record retention requirements.

Ancillary Support Systems

A work-force of over 1400 associates provides manpower and support to each of the facilities through specialized skills and knowledge in the following service areas:

- Analytical Laboratories
- Customer Resource Team
- Environmental, Health and Safety Services
- Finance and Accounting
- Human Resources
- Operations
- Regulatory Affairs
- Industrial Services

Through the efforts of this team of highly qualified specialists at MDWTP and WDI, US Ecology has become a recognized leader in development and implementation of innovative technologies and systems to protect the environment.

Analytical Laboratories

A commercially available analytical laboratory on-site offers customers a wide range of testing for wastes according to the procedures prescribed in SW-846 "Test Methods for Evaluating Solid Wastes" (3rd edition).



Waste Water Treatment Plant (WWTP)



The facility operates a treatment plant which pretreats on-site leachate and potentially contaminated surface water prior to discharge to the Egeland Waste Water Treatment Plant. WWTP solid residuals are managed on site at MDWTP as F039. Only waste waters generated by local US Ecology facilities are treated at this plant.

Waste Energy Services

Wayne Energy Recovery extracts and purifies methane gas generated by decomposing wastes in closed nonhazardous landfill units. The plant converts methane gas into electricity to power approximately 1500 homes served by a local utility.

III. Site Description

Site History

Prior to development the site was partially wooded and open fields. In 1958, Wayne Disposal, Inc. (WDI) constructed landfills at other locations and began offering waste disposal services. From 1970 to 1975, Site #1 immediately west of the present site was active. In 1975, the second landfill, Site #2, was started. Beginning in 1980, WDI operations segregated hazardous waste from nonhazardous waste in separate and distinctly different landfill cells.

To prevent liquids from being placed into the landfill, Michigan Disposal, Inc. (MDI) waste stabilization and fixation plant was established in 1974. The facility presently in operation was constructed in 1990. The former plant was clean closed at that time. In 1992, the Michigan Disposal, Inc. (MDI) name was officially changed to Envotech Management Services, Inc. (EMSI) and in 1995, the facility name was switched back to Michigan Disposal Waste Treatment Plant (MDWTP).

Directions and Zoning

Located in southeastern Michigan, the site is approximately ten miles west of Detroit Metro Airport along the I-94 corridor. The site is located northwest of Belleville (population 3,366) in Wayne County, Michigan. Approaching from the east, exit at Belleville Road and travel north to the first light. Proceed west along the North Service Drive approximately two miles to the facility's main entrance gate. Transporters are required to approach the site from the west, exiting I-94 at Rawsonville Road and traveling north to the stop sign. Turn right and proceed east along the North Service Drive approximately two miles to the main gate entrance.

The nearest residential neighbor is approximately one-quarter mile south of the site across I-94, a six-lane freeway. To the east lies a tract of undeveloped land which buffers the Quirk subdivision one-quarter of a mile away. Surrounding areas are developed for commercial and industrial purposes. Willow Run Airport borders the site to the north. An asphalt company and a self-storage unit company are located west of the site.

Although the facility occupies over 400 acres, WDI has licensed 120 acres for hazardous waste placement and 7.5 acres are licensed for MDWTP operations.

Climate

Prevailing winds at the site are from the southwest. The ambient air monitoring program conducted for the site indicates no negative impact upon the atmospheric environment. For greater detail refer to Section VII, Environmental Monitoring.

Annual rainfall in the area is approximately 31 inches. Precipitation falling onto the site is managed either as non-contact surface water or potentially contaminated surface water. Non-contact surface water is collected in a sedimentation basin and is discharged to the west branch of the Quirk Drain. Any surface water which may have contacted waste is considered potentially contaminated. It is collected and managed with the leachate collected from waste cells at the on-site wastewater treatment plant. The surface water monitoring program conducted for the site indicates no negative impact upon the waters of the area. For greater detail refer to Section VII, Environmental Monitoring.

Topography and Hydrogeology

The site is approximately 700 feet above sea level. When completed, WDI's cells will reach an elevation of 845 feet above sea level. Development of the site required the removal of a layer of sandy silt (up to 15 feet thick) that constituted a perched water table. Diversion berms and ditches conduct water drained from that water table along the northern perimeter eastward to the Quirk Drain and westward to Willow Run Creek.

Regional Hydrogeologic Setting

The region near the WDI and MDWTP facilities is part of a physiographic feature known as a glacial lake plain, which extends from the City of Ypsilanti to the Lake Erie shoreline. The principal characteristics of this feature are an almost flat topography and poor surface drainage. Only thin and discontinuous glacio-lacustrine deposits associated with the lake plain remain today.

Locally, the lake plain is covered by Pleistocene deltaic deposits which were lain when the ancestral Huron River exited the Defiance Moraine and fanned out over the lake plain area. Principal characteristics of this deposit are a gently upward sloping topography to the northwest and the presence of near-surface subsoils consisting of bedded granular materials such as fine sands, silty sands and silts.

Beneath the deltaic deposits is a thick clay-rich glacial till. This deposit is generally considered an ice-contact till and is composed of a clay and silt matrix with various amounts of sand and gravel. At the base of the till are laterally extensive glacial out-wash deposits. These deposits appear to thicken toward the Huron River Valley. There is an erosional channel within the underlying bedrock.

The predominant bedrock underlying the area is the Antrim Formation, a late Devonian shale deposit. Within the region, the Antrim Formation appears to be 50 to 100 feet thick.

Site Hydrogeologic Conditions

Numerous test borings and monitoring wells installed at the site have confirmed that site conditions are representative of the regional hydrogeology. The uppermost unit encountered at most test boring locations is the surface deltaic deposit. This unit has been found to range in thickness from 0 to 23 feet. There is a perched water table within these deltaic deposits. The ground water in this deposit is not usable as a ground water supply due to the low yields and seasonal occurrence in many locations. The depth to the saturated zone is quite variable but averages around 10-15 feet below ground surface.

Because this deposit was removed as part of landfill construction, no permeability tests were conducted on this material. The material is generally a silty fine sand with various amounts of both coarser and finer material. As such, it might be expected to have a coefficient of permeability in the 1×10^{-3} to 1×10^{-5} cm/sec range.

The next unit in the geologic sequence is a thick sequence of silty clay till of glacial origin. This unit ranges from 19 to 77 feet thick at the site and is generally 40-60 feet thick in most areas. Landfill units are constructed within this material. The silty clay till has a mean coefficient of permeability based on numerous tests of 3×10^{-8} cm/sec. This unit is an upper confining unit for the uppermost usable aquifer in most areas of the site. However, along the north site boundary the aquifer is absent and the clays extend all the way to bedrock with only minor sand and silt seams are present within the till.

Beneath the clay till in most areas is a unit referred to as the "transition silt" unit. This "unit" actually represents a somewhat gradual coarsening of the till deposit with increasing depth. This unit is composed of clayey silt, silts and sandy silts and generally exhibits coarser grain size with increasing depth. This unit acts as a second confining layer where present and can be 10-15 feet thick in some areas. Tests on the clayey silt portions of the transition silts yield values between 6.9×10^{-4} to 1.3×10^{-4} cm/sec.

Beneath the clay till and/or transition silts over most of the site is sequence glacial sand and gravel. This unit also tends to become coarser in depth; the upper portion is a silty sand and the lower portion a gravely sand or sandy gravel. This unit is found to be between 0 and 80 feet thick. In general, the deposit tends to increase in thickness to the south. Along the north site boundary the deposit is not found in some areas.

This sand deposit forms the uppermost usable aquifer at the site. It is present at a depth of 50 to 80 feet below ground surface. This aquifer is partially confined (i.e. confined in most areas by the overlying clay till but unconfined in some areas where the till is thinner). It is a usable aquifer from a quality and quantity standpoint, but is not used as the primary source because the entire area has access to a municipal supply.

From limited permeability tests and estimations from grain size analyses it appears that the coefficient of permeability for the silty sands ranges from 1×10^{-5} to 1×10^{-2} cm/sec with a median value around 1×10^{-3} cm/sec. Portions of the aquifer composed of coarser sand and gravel will most probably have a coefficient of permeability greater than 1×10^{-3} cm/sec.

Ground water in the usable aquifer flows to the south toward Belleville Lake. The gradient across the site is approximately 0.001. Using a horizontal permeability of 1×10^{-3} cm/sec and an effective porosity of 0.10, the lateral flow velocity of 0.03 feet/day or about 10 feet per year. Vertical gradients within the usable aquifer are low and tend to be slightly upward along the southern (downgrade) site boundary.

The aquifer sands are underlain by shale of the Antrim Formation. Although the upper, weathered portion produces water, no records are available that indicate that the formation itself is an aquifer. Although little information is available for the shale formation below the usable aquifer, it is assumed that this unit acts as a lower confining layer. It is continuous across the site at depths ranging from approximately 100 to 140 feet below ground surface.

IV. Insurance, Financial Information & Security

Insurance

MDWTP and WDI facilities were the first of their kind in the nation to secure environmental liability insurance in addition to General Liability and Property Insurance. Insurance certificates are included in Appendix 13.

Financial Information

Customer audits vary greatly in the nature and form of financial information required to demonstrate financial stability. EQ is a privately-held company and reserves the right to disclose financial information. Please contact EQ's Chief Financial Officer at (734) 329-8000 with all financial requests. For your convenience, a copy of the closure and post-closure financial assurance is provided Appendix 12.

Security

The property is contained by a six-foot cyclone fence topped with three strands of barbed wire. The perimeter is posted with warning signs. Electronic drop-gate or locked fence gates control all entrances.



The main gate is adjacent to the security office. It is staffed Monday – Friday around receiving hours and also has active surveillance with recorded, closed circuit video. Access for all site personnel and waste transporter traffic is though this gate. Signing-in and out is required for all visitors to the site.

In addition to security guard surveillance, EQ employees are instructed to be vigilant in the course of their work to ensure that the site security is maintained. Internal communications are maintained through telephones, mobile radios, cellular phones and paging systems. For external communications with ambulance services, Van Buren Township Police or Fire Department, site personnel rely upon telephone communication.

V. Training, Safety, & Contingency Planning

The required training of personnel is divided into the following broad categories:

- HAZWOPER Training (OSHA/MIOSHA)
  HAZWOPER Training consists of the required 24 hour training per the Hazardous Waste Operations standard established by MIOSHA for TSDF's. Each employee receives an annual 8 hour HAZWOPER training refresher. US Ecology associates who work at cleanup sites are required to go through 16 additional hours of HAZWOPER training that is focused on cleanup site work
  practices.

- RCRA Refresher Training
  RCRA Refresher Training is conducted annually for all site employees and instructs employees on what to do in the event of an emergency and identifies who the emergency coordinators are on site. The remaining refresher training is used to introduce any relevant changes to work practices at Site #2.

- Additional Environmental, Health and Safety Training includes:
  DOT Hazardous Materials Training
  First Aid Training and CPR Certification
  Personal Protection from Chemical Hazards
  Respiratory Protection Program and Fit Testing
  Hazard Communication
  Confined Space Entry
  Asbestos Handling
  Fire Extinguisher
  Powered Industrial Truck
  Aerial Platform
  New Hire Orientation

- Other job-related training classes are held as required.

Behavior Based Safety Program

The site practices behavior-based safety (BBS). BBS refers to the use of behavioral psychology to promote safety. In a typical behavioral process, employees conduct observations and provide feedback to associates at their jobsites. These observations provide data that is used for problem recognition, problem-solving, and continuous improvement.

Medical Surveillance Program

EQ has a written medical surveillance program per the requirements of 29 CFR 1910.120. The program covers all employees who are or may be exposed to hazardous substances or health hazards for 30 days or more each year, any employees who display symptoms and all employees who wear a respirator. US Ecology utilizes a local health care network to conduct medical surveillance.

Worker's Compensation

A copy of the Insurance Certificate can be found in Appendix 13.

Contingency Planning and Emergency Response Preparedness

Integrated Contingency Plans are part of the permits or licenses for each facility. These are reviewed and updated as needed. Written notifications to local emergency response authorities are part of the update process. Each such authority is encouraged to visit the facility for regular tours and discussions regarding emergency response preparedness.

VI. Regulation by Government Agencies

Full Compliance Mandate

WDI and MDWTP are constructed and operated in full compliance with all required licenses and permits. Each employee's work is conducted in full compliance with the applicable federal, state and local regulations ensuring environmental protection, human health and safety.

Waste Operations Permits and Licenses

From 1970 to 1975, Wayne Disposal, Inc. operated a landfill at Site #1 immediately west of the present facility boundary. Landfill activities in the present area, Site #2, began in 1975.
Michigan Disposal, Inc. started to offer waste solidification and fixation services under a Michigan Part 115 License to Operate in 1974.

In 1980, each facility filed its Part A Permit Application and Notification of Hazardous Waste Activities pursuant to the Solid Waste Disposal Act, as amended by the Resource Conservation and Recovery Act (RCRA of 1976) and regulations found in the 40 CFR. In the same year, Michigan promulgated regulations implementing Michigan Part 111, the Hazardous Waste Management Act (1979 PA 64).

During 1984, RCRA was reauthorized with extensive changes known as the Hazardous and Solid Waste Amendments (HSWA). On October 30, 1986 the State of Michigan received final authorization to administer the pre-HSWA RCRA hazardous waste program. Until the State of Michigan became authorized to administer the new hazardous waste program requirements of HSWA, additional (HSWA) permit conditions would be embodied in a federal RCRA permit for each facility.

In 1990, the USEPA issued the RCRA permit (see Appendix 7) and Michigan Department of Environmental Quality issued the Michigan Part 111 Hazardous Waste Facility Operating License to MDWTP (see Appendix 6).

WDI was also issued both a RCRA permit and Michigan Part 111 Hazardous Waste Operating License (see Appendix 17) and a new Operating License that included an expansion of the landfill was issued in 2012. A TSCA approval was also granted by the USEPA in 1997 to Wayne Disposal, Inc. and renewed in 2013 to include the landfill expansion area (see Appendix 19).

In 1992, MDWTP officially changed the name which appears on its permits and licenses to Envotech Management Services, Inc. (EMSI). During the course of 1993, EMSI and WDI became wholly owned affiliates of the Environmental Quality Company and the name Michigan Disposal was returned to the Waste Treatment Plant (MDWTP). Nonhazardous waste management activities at the Belleville, Michigan site are regulated under Michigan Part 115 Operating Licenses. Although WDI's nonhazardous waste capacity on site was completed in 1993, ongoing final closure and post closure maintenance activities follow the WDI operating license conditions as stated at the time of closure. The MDWTP stabilization of nonhazardous wastes, such as off-specification products, follows the processing plant conditions in the MDWTP Part 115 Operating License (see Appendix 8).

Locations of Regulatory Agency Permit/License Staff

Regulatory personnel responsible for issuance or modifications of permits and licenses are located at the following addresses:

Michigan Department of Environmental Quality Office of Waste Management and Radiological Protection 4th Floor, Constitutional Hall 525 West Allegan Lansing, MI 48933 517.373.2730	USEPA - Region V RCRA Permit Branch 77 W. Jackson Street Chicago, IL 60604 312.353.2000

Agency Inspections

The Michigan Department of Environmental Quality (MDEQ) regulates hazardous waste management activities in Michigan through inspection, reporting and enforcement actions.
Eight unannounced facility inspections are conducted annually by a MDEQ inspector from the Southeast Michigan District Headquarters. A full-time, MDEQ Compliance Representative is also stationed on site. The MDEQ's District Headquarters is located at:

Michigan Department of Environmental Quality (MDEQ)
Southeast Michigan District Headquarters
Office of Waste Management and Radiological Protection
27700 Donald Court
Warren, MI 48092-2793
586.753.3700

The MDEQ Air Quality Division (MDEQ-AQD) regularly inspects air quality programs. Nonhazardous waste management activities at WDI and MDWTP are licensed by the MDEQ under Michigan Part 115 and monitored by the MDEQ-OWMRP. MDEQ-OWMRP inspects the facility on an annual basis.

Wayne County Department of Environment Land Resources Management Division 3600 Commerce Court Wayne, MI 48184 734.326.3936 or 734.329.4421	MDEQ Air Quality Division Cadillac Place 3058 West Grand Blvd. Suite 2-300 Detroit, MI 48202 313.456.4678

Air Permits

A Renewable Operating Permit (ROP) is held for the site from the MDEQ-AQD. See Appendix 9 to review the ROP.



Waste Water Treatment Plant Permits

The Wastewater Treatment Plant on site serves both MDWTP and WDI. The plant holds a revised Class D Wastewater Discharge Permit, D-11201. The permit sets discharge limits for ten parameters which must be sampled for analysis monthly. The plant is also required to test for organic pollutants once per year. See Appendix 16 to review the WWTP permit.

Biennial Reporting

MDWTP and WDI are each required to submit RCRA Biennial Reports summarizing hazardous waste management activities during the odd numbered years.

SARA Reporting

The facilities file the Tier II and TRI (Form R) reports as required by the SARA regulation.

VII. Environmental Monitoring

Ambient Air Monitoring

Ambient air monitoring is conducted in accordance with the Michigan Part 111 Hazardous Waste Facility Operating Licenses for MDWTP and WDI. The two facilities share an ambient air monitoring network currently consisting of six stations, and a co-located QA/QC station. All six stations are monitored for volatile organic compounds, metals, and PCB's. Three monitoring stations began in 1985. Two more stations were added in 1988. The sixth and co-located QA/QC stations were added in 1997. Results are reported to the MDEQ-AQD.



See Appendix 10 for further information on the Site #2 Ambient Air Monitoring Program.

Surface Water Monitoring

Currently, surface water monitoring is conducted for both the Hazardous Waste Management Area (HWMA) and the Solid Wastes Management Area (SWMA) of the WDI facility. Monitoring is conducted in accordance with the Part 111 and Part 115 Operating License for the HWMA and SWMA respectively. Monitoring for the HWMA is conducted at 6 sampling locations within the perimeter ditches that border the hazardous waste disposal cells.. The perimeter ditches are tested quarterly and the outlet for the sedimentation basin is tested monthly, following a 24-hour, 0.5 inch precipitation and are analyzed for 7 volatile organic compounds, 14 metals and 9 indicator

parameters. The results are analyzed statistically and reported to the Michigan Department of Environmental Quality. Please see Appendix 10 for more information.

All of the surface water within the ditches is transmitted to one of two sedimentation basins. The surface water is treated by sedimentation, filtration and granular activated carbon before being discharged off-site under an NPDES permit. The influent and effluent to the treatment plant is sampled weekly when discharging to the outfall, which is a culvert that feeds into Quirk Drain, a local surface water feature. The effluent is also sampled monthly as part of WDI's TSCA Approval.

Monitoring for the SWMA is conducted at 3 sampling locations: the outlets of the east and west perimeter drains (subsurface drains) and the sedimentation basin. These samples are analyzed semiannually for eight indicator parameters. Monitoring of surface water has been conducted since 1981.

Ground Water Monitoring

Groundwater monitoring is conducted in accordance with the Part 111 and Part 115 Operating Licenses and TSCA Permit for WDI for the HWMA and SWMA. The monitoring network is targeted for the uppermost usable aquifer which is the glacial sand and gravel deposits which underlie the silty clay till. Monitoring is also conducted for the MDWTP facility in accordance with Part 111 license, although with the exception of one unique well, this program is just a subset of the WDI Part 111 monitoring well network. (See Appendix 10)

Currently, there are 49 monitoring wells in the uppermost aquifer (beneath the clay layer) at the site. Wells 1A-16 are used for the SWMA monitoring program. There are 22 wells dedicated to the HWMA for WDI. All wells included in the numbering scheme from OB-19 through OB-40 are part of this program. Five of these wells are also used for the MDWTP monitoring program as is one additional well, OB-47. Three wells (OB-26A, OB-27A, and OB-31AR) are used as piezometers for static water levels only and the other six (OB-41 through OB-46) are dedicated to a special monitoring program for Master Cell IX. A diagram of the monitoring well locations is provided in Appendix 10.



Collection of samples is conducted in accordance with the Sampling and Analysis Plan which is part of each facility's Operating License. Wells monitored for the ground water monitoring program in the uppermost aquifer for the WDI and MDWTP HWMA's are currently sampled quarterly and analyzed for 12 volatile organic compounds and 18 other indicator parameters and metals. Each parameter is subjected to a statistical test and the results reported to the Michigan Department of Environmental Quality. Six of the wells are also analyzed for PCBs and reported to MDEWQ and to the , and US EPA. Monitoring for the HWMA has been conducted since 1981. Both WDI and MDWTP are currently in routing detection monitoring.

Wells monitored in accordance with the Operating License for the SWMA are also sampled quarterly. Each quarterly sample is analyzed for 4 metals and 5 indicator parameters and one annual sample is analyzed for 3 additional metals and 5 additional indicator parameters. The results are evaluated

internally by graphical methods and the analytical results are forwarded to the Wayne County Land Resources Management Division and the Michigan Department of Environmental Quality.

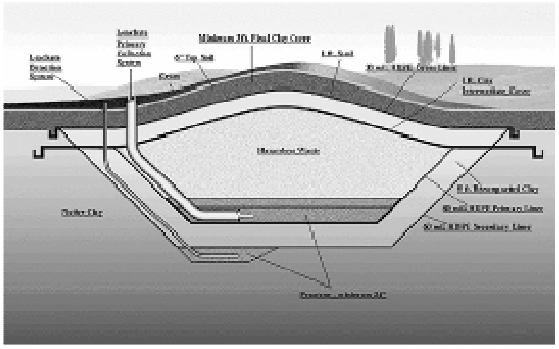
Sedimentation Basin Monitoring Parameters

Sediments in the sedimentation basin are annually sampled and analyzed in accordance with the Part 111 Operating License and TSCA Permit (See Appendix 10). Six samples of sediment within each basin are collected annually and analyzed for PCBs and 18 indicator parameters including 15 metals. The results are reported to the MDEQ and US EPA Toxics and Pesticides Branch.

Soil Monitoring Program - In accordance with the Part 111 HW Facility Operating Licenses, the site conducts soil monitoring at 25 locations throughout the site on a semi-annual basis, including areas along the on-site roads used for waste transportation. Each sample is analyzed for PCBs and the results submitted to MDEQ and the USEPA.

Leak Detection System Monitoring

Leak detection monitoring is conducted for each Master Cell that is part of the HWMA. Each cell in Master Cell VI is constructed with a double composite liner. Between the primary and secondary liners is a drainage net covered by filter fabric that is sloped to a sump. This structure comprises the leak detection, collection and removal system (LDCRS). LDCRS monitoring is conducted in accordance with WDI's Part 111 HW Facility Operating License and TSCA Permit. Liquids which collect in each sump are pumped out and sampled on a monthly basis.



The volumes removed are recorded and the samples are analyzed for the 35 volatile organic compounds, 26 metals and 10 indicator parameters. Any detectable occurrence of a VOC is evaluated statistically and the results are reported to the MDEQ and US EPA. LDCRS monitoring began in 1985 for any cell that had been constructed at that time and prior to operation of all cells since then.

VIII. Management System and ISO Certification

The site's Integrated Management System Framework links ISO 9001, ISO 14001, and OHSAS 18001 into one program. The Management System framework makes it possible for employees to make quality, environment, and occupational health and safety an integral part of their work rather than viewing them as separate add-on programs. The business is integrated through the employee's perspective. Now standards, compliance, and process improvement support the work of these employees. Sustainable business performance is delivered by employees, working as a team in the interests of our customers and the community.

The Management System framework takes into account that people, equipment, resources, and culture are all part of the overall system, as well as the documented policies and practices. These programs have helped develop operational excellence. It is the combination of management standards and business excellence that provides the perfect foundation for integrating all currently formalized systems focusing on quality, environment, and occupational health and safety.

The site received both received ISO 14001:2004 and ISO 9001:2000 certifications in January 2006. This system is an internationally recognized manufacturing standard used to establish, document and maintain and process and product quality. All of the procedures standard operating procedures and meet rigid customer specifications.

The ISO certification process involved accredited, independent registrars who supervised the ISO certification process and reviewed the quality manual to ensure it met ISO standards. These registrars also audited each process to ensure that they were documented in the quality manual and were effectively implemented on a continuous basis. Audits will now be conducted at least once a year to ensure that the quality system is evolving with core processes.

Every employee must play a role in the implementation and maintenance of a quality management system. It is the shared responsibility of facility associates to maintain the policies of the quality management system. Michigan Disposal Waste Treatment Plant and Wayne Disposal Hazardous Waste Landfill both received ISO 14001:2004, ISO 9001:2000 and OHSAS 18001:2007 certifications (see Appendix 21). This system is an internationally recognized manufacturing standard used to establish, document and maintain and process and product quality. The certification process involved accredited, independent registrars who supervised the ISO certification process and reviewed the quality manual to ensure it met ISO standards. These registrars also audited each process to ensure that they were documented in the quality manual and were effectively implemented on a continuous basis. Unannounced audits are conducted to ensure that the quality system is evolving with core processes.

Appendix 1.

Locations Map

US Ecology **Locations**



We address the complex waste management needs of our customers, offering treatment, disposal and recycling of hazardous and radioactive waste, as well as a wide range of complementary field and industrial services across North America.

Corporate Office
Boise, ID
(800) 590-5220

Regional Office
Livonia, MI
(800) 592-5489

National Emergency Response
(800) 839-3975

US ecology

US Ecology **Locations**

Alabama

Sulligent, AL
(205) 698-8915 — TSDF

Sulligent, AL
(404) 346-6860 — Service Hub

Arizona

Phoenix, AZ
(623) 243-1200 — Service Center

California

Los Angeles, CA
(623) 243-1200 — Service Hub

San Francisco, CA
(623) 243-1200 — Service Hub

Vernon, CA
(800) 266-7747 — TSDF

Florida

Tampa, FL
(800) 624-5302 — TSDF

Georgia

Atlanta, GA
(404) 346-6860 — Service Center

Idaho

Boise, ID
(800) 590-5220 — Corporate Office

Grand View, ID
(800) 274-1516 — TSDF

Illinois

Chicago, IL
(708) 596-7040 — TSDF

Chicago, IL
(317) 247-7100 — Service Hub

Indiana

Indianapolis, IN
(317) 247-7100 — Service Center

Kentucky

Lexington, KY
(317) 247-7100 — Service Hub

Louisiana

Baton Rouge, LA
(404) 346-6860 — Service Hub

Maryland

Baltimore, MD
(443) 304-3050 — Service Center

Massachusetts

Boston, MA
(800) 426-9878 — Service Center

Michigan

Belleville, MI
(800) 592-5489 — TSDF

Detroit, MI (North)
(800) 396-3265 — TSDF

Detroit, MI (South)
(313) 923-0080 — TSDF

Detroit Service Center
(800) 592-5489 — Service Center

Livonia, MI
(800) 592-5489 — Admin Office

Romulus, MI
(734) 727-5500 — Recycling

Taylor, MI
(734) 941-4357 — Service Center

Minnesota

Minneapolis, MN
(612) 727-1582 — Recycling

Nevada

Beatty, NV
(800) 239-3943 — TSDF

New Jersey

Bayonne, NJ
(201) 436-3500 — Service Center

North Carolina

Mt. Airy, NC
(336) 719-0058 — Recycling

Mt. Airy, NC
(404) 346-6860 — Service Hub

Ohio

Canton, OH
(330) 456-6238 — TSDF

Canton Service Center
(330) 617-4318 — Service Center

Rudolph, OH
(800) 839-3975 — Emergency Response

Oklahoma

Tulsa, OK
(918) 582-9595 — TSDF

Tulsa, OK
(404) 346-6860 — Service Hub

Pennsylvania

Pittsburgh, PA
(412) 472-1007 — Recycling

York, PA
(717) 846-1900 — TSDF

York, PA
(443) 304-3050 — Service Hub

Rhode Island

Providence, RI
(508) 803-1250 — Service Hub

Texas

Dallas, TX
(404) 346-6860 — Service Hub

Robstown, TX
(800) 242-3209 — TSDF

Washington

Richland, WA
(509) 377-2411 — TSDF

Tacoma, WA
(734) 578-7957 — Service Hub

Canada

Blainville, QC
(450) 430-9230 — TSDF

Tilbury, ON
(519) 682-2903 — TSDF

Mexico

Monterrey, Nuevo Leon
81 8335 2446 — Service Center

Services

- **Environmental** Waste Treatment, Recycling or Disposal
- **Industrial** Industrial Cleaning & Maintenance, Sewer Services, Tank & Oil Processing, Marine & Terminal Processing, Vacuum Excavation and Other Services
- **Field** Total Waste Management, Retail, Household Hazardous Waste, Lab Pack, Less-Than-Truckload, Remediation
- **Emergency Response**

US ecology

Appendix 2.

Driving Directions

The facility is located on the North I-94 Service Drive between Rawsonville Road (Exit 187) and Belleville Road (Exit 190). From Detroit Metro Airport (in Romulus), take I-94 West to Belleville Road (Exit #190). Turn Right at the exit and make a Left at the first light, which is the North I-94 Service Drive (Wendy's and a BP on the corner). If you proceed another 1.5 miles, the facility is located on the right. Look for the flagpoles and the facility sign. (Hotels are located between I-27 and the facility.)
Check in with Security and you will be directed from there.

Michigan Disposal Waste Treatment Plant
Wayne Disposal, Inc., Site #2 Landfill
49350 North I-94 Service Drive
Belleville, MI 48111
(800) 592-5489



Appendix 3.

Facility Layout

MIDWESTERN CONSULTING

Civil, Environmental and Transportation Engineers
Planners, Surveyors
Landscape Architects

3815 Plaza Drive
Ann Arbor, Michigan 48108
Phone: 734.995.0200
Fax 734.995.0599

EQ SITE NO. 2
FACILITY LAYOUT

DATE: 8/14/12

JOB NO.: **07174**

SCALE: 1"= 800'

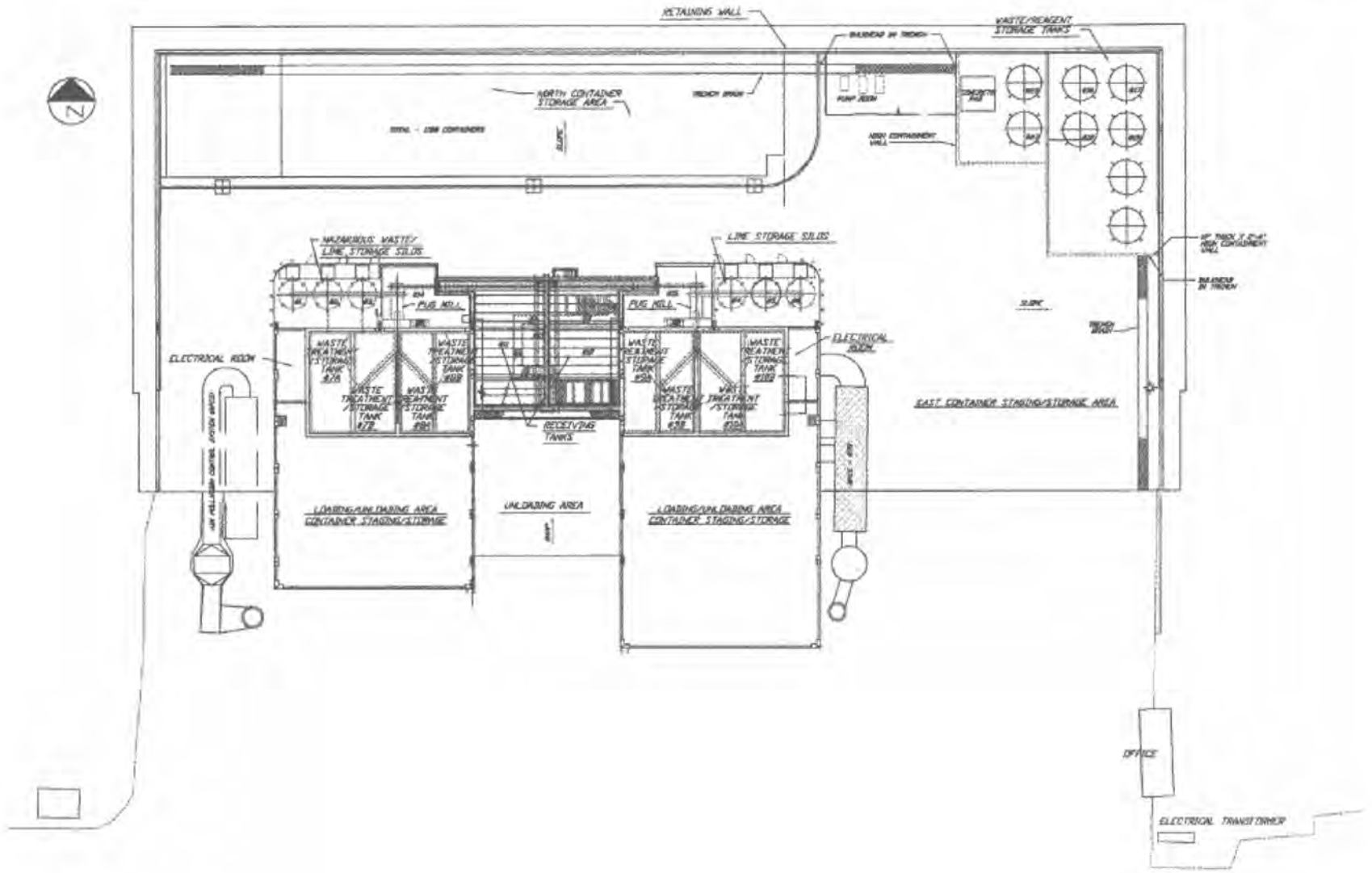
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Appendix 4.

MDWTP Plant Diagram

MDWTP Plant Diagram



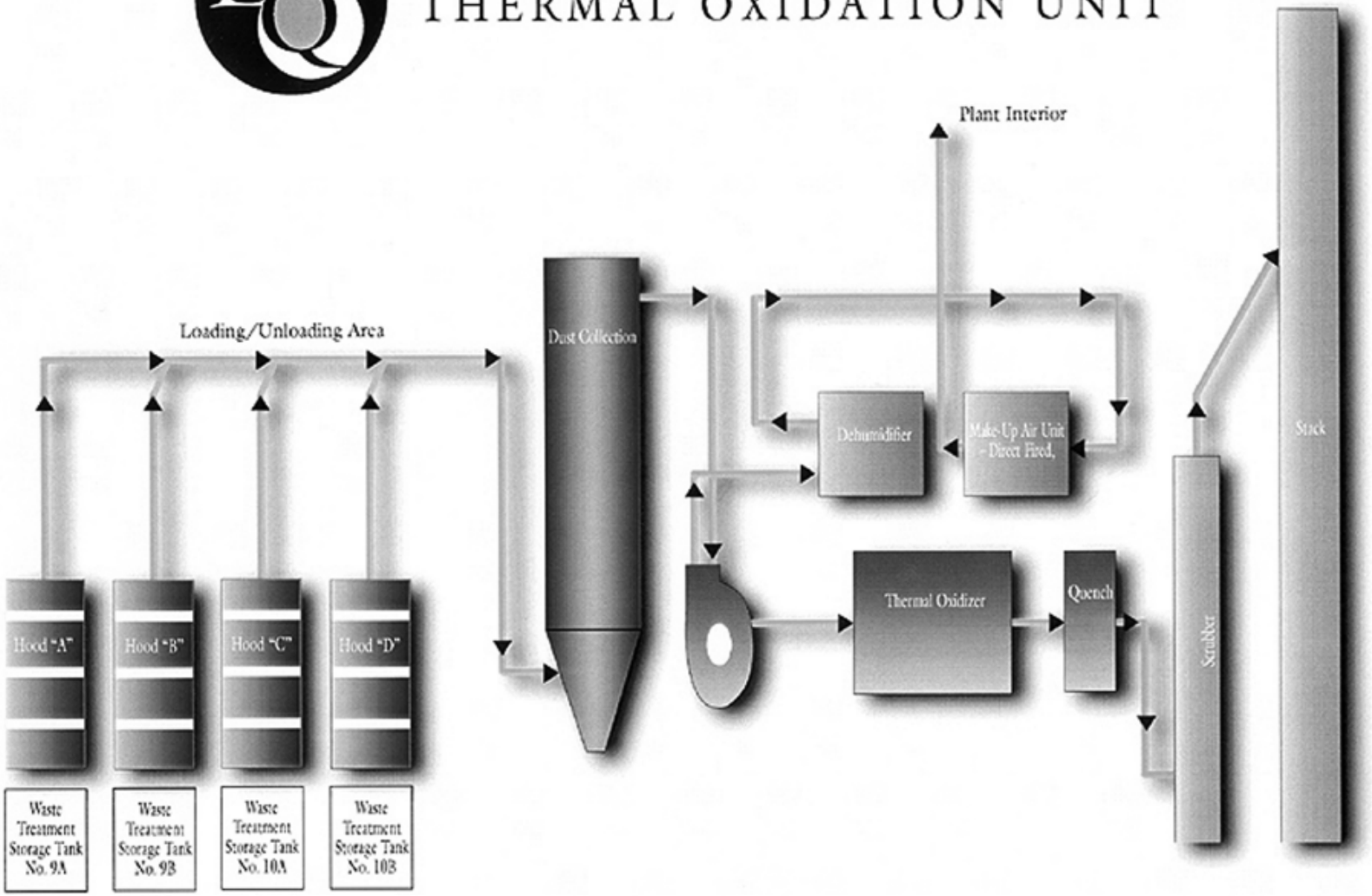
The Thermal Oxidizer at MDWTP

Michigan Disposal Waste Treatment Plant has installed a Thermal Oxidation system to comply with Subpart CC Air Emissions Standards for Tanks, Surface Impoundments and Containers, in addition to National Emissions Standards for Hazardous Air Pollutants (NESHAPs). The Michigan Disposal facility is the first stabilization plant in the country with thermal oxidation technology that complies with these requirements.

The new air treatment system includes four collection hoods where emissions are captured and routed through a bag house to remove particulates. Air is then blown into the thermal oxidation unit, where VOCs are destroyed at temperatures of 1,500-1,800 degrees Fahrenheit. Effluent from the Thermal Oxidizer is routed through a quencher and caustic scrubber prior to exiting the building through a 75 foot stack. A Dehumidifier and Make Up Air Unit are included to control interior humidity and improve system performance.

Thermal Oxidation is a flameless technology that removes 95% or more of air pollutants. It allows EQ to receive hazardous wastes with a VOC content up to 2%, non hazardous wastes with a maximum VOC content of 20% and Benzene NESHAP wastes. Odorous VOCs are contained and thermally destroyed before leaving the building. The east side of the EQ Michigan Disposal plant, which houses the thermal oxidation unit, has been extended by 20 feet to allow for a fully enclosed, negative pressure treatment operation. A new high speed door system is opened and closed only as needed to allow trucks to enter and exit.

THERMAL OXIDATION UNIT



Appendix 5.

MDWTP Treatment Capabilities

MICHIGAN DISPOSAL WASTE TREATMENT PLANT

49350 North I-94 Service Drive Belleville, MI 48111 Phone: (800) 592-5489 Fax: (800) 592-5329

TREATMENT TECHNOLOGY

STABILIZATION (STABL) NEUTRALIZATION (NEUTR) MICROENCAPSULATION (MICRO)

APPLICABLE WASTE TYPES

Wastes and hazardous debris containing leachable metals, high filterable solids, low total organic content, and low oil and grease content. These include residuals from treatment of electroplating wastewater, and characteristic or listed metal wastes. Typical hazardous waste numbers include:
D004 – D011, D018 – D043, F001 – F005, F006 – F009, F011, F012, F019, K061.

PRE-TREATMENT REQUIREMENTS

May require reducing or oxidizing metals to lower solubility states.
May require reducing oil and grease or organic content.

CRITICAL DESIGN PARAMETERS

- Amount and type of stabilizing agent and additives.
- Degree of mixing
- Residence time
- Temperature and humidity
- Form of metals:
  - Oxidation State
  - Solubility

WASTE CHARACTERISTICS AFFECTING PERFORMANCE

- CONCENTRATION OF FINE PARTICLES
  Very FINE particles (<No. 200 mesh) may weaken chemical bonds and increase leachability.

- CONCENTRATION OF OIL AND GREASE
  High OIL and GREASE content coat particles, weaken chemical bonding and increase leachability.

- CONCENTRATION OF ORGANIC COMPOUNDS
  High ORGANIC content (TOC) and organic compounds can inhibit curing and increase leachability

- CONCENTRATION OF SULFATE AND CHLORIDE COMPOUNDS
  High sulfate and chloride content may interfere with chemical reactions, weaken bond strength, affect cure time, and increase leachability

- SOLUBILITY OF METAL COMPOUNDS
  Metals should be present in their most insoluble form.

UNDERLYING PRINCIPLE OF OPERATION

The basic principal of operation for stabilization is that leachable metals and low levels of selected organics are immobilized by the addition of stabilization reagents. The leachability is reduced by the formation of a lattice structure and/or chemical bonds that bind the contaminants into a solid matrix thereby limiting the material. Stabilization of metals is more effective when the metal is in its least soluble state. Typical stabilization reagents include Portland cement, lime and cement kiln dust. Microencapsulation involves stabilization of hazardous debris such that the leachability of hazardous contaminants are reduced.

MICHIGAN DISPOSAL WASTE TREATMENT PLANT

49350 North I-94 Service Drive Belleville, MI 48111 Phone: (800) 592-5489 Fax: (800) 592-5329

TREATMENT TECHNOLOGY

DEACTIVATION (DEACT) NEUTRALIZATION (NEUTR)

APPLICABLE WASTE TYPES

Wastes exhibiting the characteristics of Ignitability, Corrosivity, or Reactivity such as D001, D002, and D003 hazardous waste numbers.

PRE-TREATMENT REQUIREMENTS

Waste Specific

CRITICAL DESIGN PARAMETERS

- Dependent on which characteristic is exhibited
- Deactivation technologies include those recommended in 40 CFR Part 268, Appendix VI

WASTE CHARACTERISTICS AFFECTING PERFORMANCE

- State – solid, liquid, or sludge
- Alkalinity, Acidity, and pH
- Flashpoint
- Concentration of other constituents present
- Deactivation By-products

NOTE: MICHIGAN DISPOSAL DOES NOT ACCEPT REACTIVE WASTES

UNDERLYING PRINCIPLE OF OPERATION

The treatment standard for many subcategories of hazardous D001, D002, and D003 wastes remove the characteristic of Ignitability, Corrosivity, or Reactivity. EPA has determined that many technologies such as those listed below, when used alone, or in combination, can achieve the treatment standard. Example deactivation technologies include:

Chemical Oxidation	(CHOXD)
Chemical Reduction	(CHRED)
Stabilization	(STABL)
Microencapsulation	(MICRO)
Neutralization	(NEUTR)

MICHIGAN DISPOSAL WASTE TREATMENT PLANT

49350 North I-94 Service Drive Belleville, MI 48111 Phone: (800) 592-5489 Fax: (800) 592-5329

TREATMENT TECHNOLOGY

CHEMICAL OXIDATION (CHOXD)

APPLICABLE WASTE TYPES

Wastes containing organics, organo-metallics, cyanides, or sulfides. Oxidize arsenic to insoluble form in wastewater or inorganic sludge from metal plating/finishing.
Typical hazardous waste numbers include:
D018 – D043, F001 – F012, K049 – K051, K169 – K172.

PRE-TREATMENT REQUIREMENTS

Frequently requires raising pH to alkaline range.

CRITICAL DESIGN PARAMETERS

- Oxidation/reduction potential
- Residence time
- Amount and type of oxidizing agent
- Degree of mixing
- pH - optimize (moderately alkaline ~ 10 – 11.5)
- Oxidation temperature
- Amount and type of any catalyst
- TOC may be used as surrogate parameter for organics

WASTE CHARACTERISTICS AFFECTING PERFORMANCE

- CONCENTRATION OF OTHER OXIDIZABLE COMPOUNDS
  Increases demand in reagent; high sulfide may require additional reagent.

- CONCENTRATION OF METAL SALTS (especially Pb and Ag)
  Can cause excess consumption of reagent.
  Metal-cyanide complexes are more difficult to oxidize.

UNDERLYING PRINCIPLE OF OPERATION

The basic principal of chemical oxidation is that inorganic cyanides, selected dissolved organic compounds and sulfides can be chemically oxidized to yield carbon dioxide, nitrogen, water, salts, simple organic acids and in the case of sulfides, sulfates. Typical oxidants and reaction using sodium hypochlorite are:

Cyanide

$$CN + NaOCl - OCN + NaCl$$

$$2OCN + 3NaOCl - CO_3^{-2} + CO_2 + N_2 + 3NaCl$$

Phenol

$$C_6H_5OH + 14NaOCl - 6CO_2 + 3H_2O + 14NaCl$$

Sulfide

$$S^{-2} + 4NaOCl - SO_4^{-2} + 4NaCl$$

MICHIGAN DISPOSAL WASTE TREATMENT PLANT

49350 North I-94 Service Drive Belleville, MI 48111 Phone: (800) 592-5489 Fax: (800) 592-5329

TREATMENT TECHNOLOGY

CHEMICAL REDUCTION (CHRED)

APPLICABLE WASTE TYPES

Reduce hexavalent chromium and selenate ions. Treat oxidizing wastes containing reducible organics, inorganic oxidizers from plating, metal finishing, chromium pigments, mining ore processing, or chemical manufacturing. Typical hazardous waste numbers include:
D007, D010, F006 – F009, F011, F012, and F019.

PRE-TREATMENT REQUIREMENTS

Frequently requires lowering the pH to the acidic range.

CRITICAL DESIGN PARAMETERS

- Oxidation/reduction potential
- Residence time
- Amount and type of reducing agent
- Degree of Mixing
- pH – usually at lower pH: <4
- Reduction temperature

WASTE CHARACTERISTICS AFFECTING PERFORMANCE

- CONCENTRATION OF OTHER REDUCIBLE COMPOUNDS
  Increases demand in reagent. If total organic content (TOC) or inorganic oxidizer concentration is high, may not be applicable technology.

- CONCENTRATION OF OIL AND GREASE
  Causes monitoring problems/fouling. If high, may not be applicable technology.

UNDERLYING PRINCIPLE OF OPERATION

The basic principle of chemical reduction is to reduce the valence of oxidizers and other constituents such as metals through oxidation-reduction reactions. Reducing agents such as ferrous sulfate or sodium sulfite are used to reduce specific constituents such as hexavalent chromium:

$$H_2(Cr^{+6})_2O_7 + 3Na_2SO_3 + 3H_2SO_4 \text{ --- } (Cr^{+3})_2(SO_4)_3 + 3Na_2SO_4 + 4H_2O$$

Appendix 6.

MDWTP Part 111
Hazardous Waste Operating License

STATE OF MICHIGAN
DEPARTMENT OF ENVIRONMENTAL QUALITY
LANSING

JENNIFER M. GRANHOLM
GOVERNOR

STEVEN E. CHESTER
DIRECTOR

October 31, 2007

Ms. Melinda Keillor
Regulatory Specialist
The Environmental Quality Company
Michigan Disposal Waste Treatment Plant
49350 North I-94 Service Drive
Belleville, Michigan 48111

Dear Ms. Keillor:

SUBJECT: Final Hazardous Waste Management Facility Operating License (License); Michigan Disposal Waste Treatment Plant (MDWTP), Belleville, Michigan; MID 000 724 831

The Michigan Department of Environmental Quality (MDEQ), Waste and Hazardous Materials Division (WHMD), has completed its review of the MDWTP License Application. Based on that review and the results of the public hearing held on June 6, 2007, the MDEQ has issued a License to the MDWTP pursuant to Part 111, Hazardous Waste Management, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended. The License Application review and the public participation procedures were conducted in accordance with Part 111.

Enclosed are copies of the License, Final Fact Sheet, Response to Comments, and Notice of Final Decision. If you have any questions or comments, please contact Ms. Kimberly M. Tyson, Hazardous Waste Section, WHMD, at 517-373-2487.

Sincerely,

George W. Bruchmann, Chief
Waste and Hazardous Materials Division
517-373-9523

Enclosures
cc: Mr. Jae Lee, U.S. Environmental Protection Agency, Region 5
Mr. Dale Meyer, U.S. Environmental Protection Agency, Region 5
Ms. Delores Montgomery, MDEQ
Mr. Steve Buda, MDEQ
Mr. Larry AuBuchon/Mr. Michael Busse, MDEQ
Ms. Connie Pennell, MDEQ
cc/enc: Ms. Kimberly M. Tyson, DEQ
Operating License File

NOTICE OF FINAL DECISION

MICHIGAN DISPOSAL WASTE TREATMENT PLANT
Hazardous Waste Management Facility Operating License
and Federal Resource Conservation and Recovery Act of 1976 (RCRA) Permit

The Michigan Department of Environmental Quality (MDEQ) issued a hazardous waste management facility operating license (License) to the Michigan Disposal Waste Treatment Plant (MDWTP), pursuant to Part 111, Hazardous Waste Management, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended. The License was issued on October 31, 2007, and allows the MDWTP to continue to operate a hazardous waste storage and treatment facility at 49350 North I-94 Service Drive, Belleville, Michigan. The MDWTP also received a federal RCRA Permit issued by the U.S. Environmental Protection Agency, Region 5 (U.S. EPA), pursuant to the Hazardous and Solid Waste Amendments to the RCRA. The effective date of the RCRA permit is September 11, 2007. Both the Part 111 License and the RCRA Permit will expire ten years from the date of issuance.

The MDEQ conducted a public participation process. Issues raised during that process have been addressed by the MDEQ in the Response to Comments.

The final Part 111 License, Response to Comments, and Final Fact Sheet may be reviewed at the Fred C. Fischer Library, 167 Fourth Street, Belleville, Michigan 48111; the Van Buren Charter Township Hall, 46425 Tyler Road, Belleville, Michigan 48111; the MDEQ, Southeast Michigan District Office, Waste and Hazardous Materials Division, 27700 Donald Court, Warren, Michigan 48092 (contact Mr. Michael Busse at 586-753-3839); the MDEQ, Waste and Hazardous Materials Division, Constitution Hall, Atrium North, 525 West Allegan Street, Lansing, Michigan 48933 (contact Ms. Kimberly M. Tyson at 517-373-2487); and at the U.S. EPA, Land and Chemical Division, RCRA Programs Section (DU-7J), 77 West Jackson Boulevard, Chicago, Illinois 60604 (contact Mr. Jae Lee at 1-800-621-8431, Extension 63781). Copies of these documents may be obtained for the cost of reproduction by contacting Ms. Lindacarol Leiter, Waste and Hazardous Materials Division, MDEQ, at 517-373-9875. Questions or comments concerning the MDWTP should be directed to Ms. Tyson.

State of Michigan
Department of Environmental Quality

DEQ

HAZARDOUS WASTE MANAGEMENT FACILITY OPERATING LICENSE

NAME OF LICENSEE: Michigan Disposal Waste Treatment Plant

NAME OF OWNER: EQ – The Environmental Quality Company

NAME OF OPERATOR: EQ – The Environmental Quality Company

NAME OF TITLEHOLDER OF LAND: Wayne Disposal, Incorporated

FACILITY NAME: Michigan Disposal Waste Treatment Plant

FACILITY LOCATION: 49350 North I-94 Service Drive, Belleville, Michigan 48111

EPA IDENTIFICATION NUMBER: MID 000 724 831 EFFECTIVE DATE: October 31, 2007

REAPPLICATION DATE: October 31, 2016 EXPIRATION DATE: October 31, 2017

AUTHORIZED ACTIVITIES

Pursuant to Part 111 of Michigan's Natural Resources and Environmental Protection Act, 1994 PA 451, as amended (Act 451), being §§324.11101 to 324.11153 of the Michigan Compiled Laws, and the hazardous waste management administrative rules (hereafter called the "rules") promulgated thereunder, being R 299.9101 *et seq.* of the Michigan Administrative Code, by the Michigan Department of Environmental Quality (MDEQ), an operating license (hereafter called the "license") is issued to Michigan Disposal Waste Treatment Facility (MDWTP) (hereafter called the "licensee") to operate a hazardous waste management facility (hereafter called the "facility") located at latitude 42°13'30"N and longitude 083°31'00"W. The licensee is authorized to conduct the following hazardous waste management activities:

X STORAGE	X TREATMENT	☐ DISPOSAL	☐ POST CLOSURE
X Container	X Container	☐ Landfill	☐ Tank
X Tank	X Tank	☐ Land Application	☐ Surface Impoundment
☐ Waste Pile	☐ Surface Impoundment	☐ Surface Impoundment	☐ Landfill
☐ Surface Impoundment	☐ Incinerator		☐ Waste Pile
☐ Drip Pad	☐ Other:		

APPLICABLE REGULATIONS AND LICENSE APPROVAL

The conditions of this license were developed in accordance with the applicable provisions of the rules, effective December 16, 2004. The licensee shall comply with all terms and conditions of this license. This license consists of the 26 pages of conditions attached hereto (including those in Attachments 1 through 11) and the applicable regulations contained in R 299.9101 through R 299.11008, as specified in the license. For purposes of compliance with this license, applicable rules are those which are in effect on the date of issuance of this license in accordance with R 299.9521(3)(a).

This license is based on the information in the license application submitted on April 30, 2004, and any subsequent amendments (hereafter referred to as "the application"). Pursuant to R 299.9519(11)(c), the license may be revoked if the licensee fails, in the application or during the license issuance process, to disclose fully all relevant facts or, at any time, misrepresents any relevant facts. As specified in R 299.9519(1), the facility shall be constructed, operated, and maintained in accordance with Part 111 of Act 451, the rules, and this license.

This license is effective on the date of issuance and shall remain in effect for 10 years from the date of issuance, unless revoked pursuant to R 299.9519 or continued in effect as provided by the Michigan Administrative Procedures Act, 1969 PA 306, as amended (Act 306).

Issued this 31st day of October 2007

by _____

George W. Bruchmann, Chief
Waste and Hazardous Materials Division

MICHIGAN DISPOSAL WASTE TREATMENT PLANT

MID 000 724 831

HAZARDOUS WASTE MANAGEMENT FACILITY OPERATING LICENSE

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PART I

STANDARD CONDITIONS

A. TERMINOLOGY AND REFERENCES

Throughout this license, the term "Division" means the Waste and Hazardous Materials Division within the MDEQ responsible for administering Part 111 of Act 451 and the rules. Throughout this license, "Director" means the Director of the MDEQ or the Director's duly authorized designee such as the Division Chief. All of the provisions of Title 40 of the Code of Federal Regulations (CFR) referenced in this license are adopted by reference in R 299.11003.

B. EFFECT OF LICENSE

Except as otherwise provided by law, any treatment, storage, or disposal of hazardous waste not specifically authorized in this license is prohibited. Issuance of this license does not authorize any injury to persons or property, any invasion of other private rights, or any infringement of federal, state, or local law or regulations {R 299.9516(8)}; nor does it obviate the necessity of obtaining such permits or approvals from other units of government as may be required by law. Compliance with the terms of this license does not constitute a warranty or representation of any kind by the MDEQ, nor does the MDEQ intend that compliance with this license constitutes a defense to any order issued or any action brought under Act 451 or any other applicable state statute or Section 106(a) of the Comprehensive Environmental Response, Compensation, and Liability Act, 1980 PL 96-510 (CERCLA) (Title 42 of the United States Code (U.S.C.), §9606(a)), the Resource Conservation and Recovery Act of 1976, as amended (RCRA), and its rules, or any other applicable federal statute. The licensee, however, does not represent that it will not argue that compliance with the terms of this license may be a defense to such future regulatory actions. Each attachment to this license is a part of, and is incorporated herein, this license and is deemed an enforceable part of the license.

C. SEVERABILITY

The provisions of this license are severable, and if any provision of this license, or the application of any provision of this license to any circumstance, is held invalid, the application of such provision to other circumstances and the remainder of this license shall not be affected thereby.

D. RESPONSIBILITIES

1. The licensee shall comply with Part 111 of Act 451, the rules, and all conditions of this license, except to the extent authorized by the MDEQ pursuant to the terms of an emergency operating license. Any license noncompliance, except to the extent authorized by the MDEQ pursuant to the terms of an emergency operating license, constitutes a violation of Part 111 of Act 451 and is grounds for enforcement action, license revocation, license modification, or denial of a license renewal application. {R 299.9521(1)(a) and (c) and (3)(a) and (b) and 40 CFR §270.30(a)}

2. If the licensee wishes to continue an activity regulated by this license after the expiration date of this license, the licensee shall submit a complete application for a new license to the Division Chief at least one year before this license expires, October 31, 2016, unless an extension is granted pursuant to R 299.9510(5). To the extent the licensee makes a timely and sufficient application for renewal of this license, this license and all conditions herein will remain in effect beyond the license expiration date and shall not expire until a final decision on the application is made by the MDEQ, and if the application is denied or the terms of the new license are limited, until the last day for applying for judicial review of the new license or a later date fixed by order

of the reviewing court consistent with Section 91(2) of Act 306. {R 299.9521(1)(a) and (c) and (3)(a), and 40 CFR §270.30(b)}

3. The licensee shall comply with the conditions specified in R 299.9521(1)(b)(i) to (iii) and 40 CFR §270.30(c) to (k), (l)(2), (3), (5), (7), and (11), and (m). {§§11123(3), 11146(1) and (2), and 11148(1) of Act 451 and R 299.9501(1), R 299.9516, R 299.9519, R 299.9521(1)(a) and (b) and (3)(a) and (b), R 299.9522, and R 299.9525}

4. The licensee shall give notice to the Division Chief as soon as possible prior to any planned physical alterations or additions to the licensed facility.

E. SUBMITTAL DEADLINES

When the deadline for submittals required under this license falls on a weekend or legal state holiday, the deadline shall be extended to the next regular business day. This extension does not apply to the deadline for financial mechanisms, and associated renewals, replacements, or extensions of financial mechanisms required under this license. The licensee may request extension of the deadlines for submittals required under this license. The licensee shall submit such requests at least five business days prior to the existing deadline for review and approval by the Division Chief. Written extension requests shall include justification for each extension. {R 299.9521(3)(a)}

PART II

GENERAL OPERATING CONDITIONS

A. GENERAL WASTE ANALYSIS

1. The licensee shall ensure that any waste managed at the facility has been properly characterized pursuant to R 299.9302, and comply with the procedures described in the Waste Analysis Plan, Attachment 1, of this license. {R 299.9605(1) and 40 CFR, §264.13}

2. The licensee shall follow the approved Work Plan for Lab Compatibility Test approved by the Division Chief when determining waste or reagent compatibility. A new work plan shall be submitted to the Division Chief for review and approval whenever the licensee proposes to modify the Work Plan. The licensee shall document the use of the approved work plan in the facility operating record (Condition II.I.1). {R 299.9521(3)(b), R 299.9605(1), and 40 CFR, §264.17(b)}

B. SECURITY

The licensee shall comply with the barrier, surveillance, and signage requirements of R 299.9605(1) and 40 CFR, §264.14.

C. GENERAL INSPECTION REQUIREMENTS

1. The licensee shall inspect the facility in accordance with the Inspection Schedule, Attachment 2, of this license, and comply with the inspection requirements of R 299.9605(1) and 40 CFR, §264.15.

2. The licensee shall develop and implement a procedure to ensure compliance with the requirements of R 299.9605(2) regarding transport vehicles and other containers leaving the facility.

D. PERSONNEL TRAINING

The licensee shall comply with the personnel training requirements of R 299.9605 and 40 CFR,§264.16. The training program shall, at a minimum, cover all items in the Personnel Training Program, Attachment 3, of this license.

E. PREPAREDNESS AND PREVENTION

The licensee shall comply with the preparedness and prevention requirements of R 299.9606 and 40 CFR, Part 264, Subpart C.

F. CONTINGENCY PLAN

The licensee shall comply with the contingency plan requirements of R 299.9607 and 40 CFR, Part 264, Subpart D. The Contingency Plan, Attachment 4, of this license and the prescribed emergency procedures shall be immediately implemented by the licensee whenever there is a fire, explosion, or other release of hazardous waste or hazardous waste constituents that threatens or could threaten human health or the environment, or if the licensee has knowledge that a spill has reached surface water or groundwater.

G. DUTY TO MITIGATE

Upon notification from the Division Chief or his or her designee that an activity at the facility may present an imminent and substantial endangerment to human health or the environment, the licensee shall immediately comply with an order issued by the Division Chief pursuant to Section 11148(1) of Act 451 to halt such activity and conduct other activities as required by the Division Chief to eliminate the said endangerment. The licensee shall not resume the halted activity without the prior written approval from the Division Chief. {§11148 of Act 451 and R 299.9521(3)(b)}

H. MANIFEST SYSTEM

The licensee shall comply with the manifest requirements of R 299.9304, R 299.9305, and R 299.9608.

I. RECORDKEEPING AND REPORTING

1. The licensee shall comply with the written operating record and monthly operating report requirements of R 299.9609 and 40 CFR, §264.73 and Part 264, Appendix I, and R 299.9610(3), respectively. The Monthly Operating Report shall report on waste shipped to the Wayne Disposal, Inc., facility and be submitted on a form provided by the Division Chief, or an equivalent form approved by the Division Chief.

2. The licensee shall comply with the biennial report requirements of R 299.9610. {R 299.9521(1)(a) and 40 CFR, §270.30(l)(9)}

3. The licensee shall submit the results of all environmental monitoring required by this license and any additional environmental sampling or analysis conducted beyond that required by this license, in the form of an Environmental Monitoring Report to the Division Chief within 60 days after sample collection. Any increased frequency in sampling or analysis shall be indicated in the Environmental Monitoring Report. In addition, the licensee shall submit air monitoring results to MDEQ, Air Quality Division. {R 299.9521(1)(a), R 299.9521(3)(b), and 40 CFR, §270.30(l)(4)}

4**.** The licensee shall provide environmental monitoring information or data required pursuant to this license to an authorized representative of an environmental or emergency response department of the Charter Township of Van Buren, city of Belleville, and county of Wayne, who requests such information or data and that has jurisdiction over the facility. Such information or data shall be made available on the same day the licensee forwards this information to the Division Chief. {R 299.9521(3)(b)}

5. The licensee shall immediately report to the Division Chief any noncompliance with the license that may endanger human health or the environment by doing both of the following:

   (a) The licensee shall immediately provide verbal notification to the Division Chief at 517-335-2690, if the noncompliance occurs during the period 8:00 a.m. to 5:00 p.m. Monday through Friday, except state holidays, or by calling the MDEQ Pollution Emergency Alerting System (PEAS) at 1-800-292-4706 during all other times. This notice shall include the following:

(i) Information concerning the fire, explosion, release, or discharge of any hazardous waste or hazardous waste constituent that could threaten human health or the environment, that has reached surface water or groundwater, or may endanger public drinking water supplies or the environment.

(ii) A description of the occurrence and its cause, including all of the information outlined in R 299.9607(2)(a) to (i).

(b) The licensee shall followup any verbal notification provided under Condition II.I.5 by providing a written report to the Division Chief within five days after the time the licensee becomes aware of the circumstances. The written "5-Day Report" shall be submitted even if the licensee concludes that the noncompliance did not endanger human health or the environment. The written "5-day Report" shall contain all of the information in Condition II.I.5.(a)(i) and (ii) of this license along with a description of the noncompliance and its cause; the periods of noncompliance (including exact dates and times); whether the noncompliance has been corrected and, if not, the anticipated time it is expected to continue; and steps taken or planned to reduce, eliminate, and prevent recurrence of the noncompliance and when those activities occurred or will occur. The "5-day Report" shall contain the basis and any supporting documentation for any conclusion by the licensee that the noncompliance did not endanger human health or the environment. The Division Chief may waive the five-day written notice requirement if the licensee submits to a written "15-day Report" containing this information within 15 days after the time the licensee becomes aware of the circumstances.

{R 299.9521(1)(a) and R 299.9607 and 40 CFR, §270.30(l)(6)}

6. The licensee shall report all other instances of noncompliance with this license, Part 111 of Act 451, the rules, and any other applicable environmental laws or rules that apply to the licensed facility, at the time monitoring reports required by this license are submitted or within 30 days, whichever is sooner. The "30-day Report" shall contain the information listed in Condition II.I.5 of this license. {R 299.9521(1)(a) and 40 CFR, §270.30(l)(10)}

7. The licensee may make minor modifications to the forms contained in the attachments to this license. The modifications may include changing the format, updating existing references and information, adding necessary information, and changing certification and notification information in accordance with Part 111 of Act 451 and its rules and RCRA and its regulations. The licensee shall submit the modifications to the Division Chief prior to implementing the use of the modified form(s). If the Division Chief does not reject or require revision of the modified form(s) within 14 days after receipt, the licensee shall implement use of the modified form(s) and the form(s) shall be incorporated herein as a replacement for the existing form(s).

J. CLOSURE

The licensee shall comply with the closure requirements of R 299.9613. The licensee shall close the facility in accordance with the Closure Plan, Attachment 5, of this license, all other applicable requirements of this license, and all other applicable laws. {R 299.9613 and 40 CFR, Part 264, Subpart G, except 40 CFR, §§264.112(d)(1), 264.115, and 264.120}

K. **FINANCIAL ASSURANCE FOR CLOSURE**-

1. On the effective date of this license, the facility closure cost estimate is $709,379**.** The licensee shall keep this estimate current as required under R 299.9702 and 40 CFR, §264.142.

2. The licensee shall continuously maintain financial assurance for the current closure cost estimate as required under R 299.9703.

L. **FINANCIAL ASSSURANCE FOR CORRECTIVE ACTION**

1. On the effective date of this license, no cost has been identified for performing corrective action. No corrective action is being required, at this time, for the waste management units (WMUs), identified in Condition VI.C. of this license. The identified WMUs are currently operating pursuant to the act and its rules with no evidence of a release of any contaminants. Corrective action and financial assurance for corrective action may be required when the WMUs undergo final closure.

2. The licensee shall continuously maintain financial assurance for corrective action, when required, pursuant to R 299.9713.

M. **FINANCIAL REPSONSIBILITY FOR LIABILITY COVERAGE**

The licensee shall continuously maintain liability coverage for sudden and accidental occurrences, as required under R 299.9710.

N. **WASTE MINIMIZATION**

The licensee shall certify, at least annually, that the licensee has a hazardous waste minimization program in place. {R 299.9609(1)(a), 40 CFR, §264.73(b)(9), and §3005(h) of RCRA, 42 U.S.C., §6925(h)}

O. **LAND DISPOSAL RESTRICTIONS**

The licensee shall comply with all of the requirements of 40 CFR, Part 268. {R 299.9627 and 40 CFR, Part 268}

P. **AIR EMISSION STANDARDS**

1. The licensee shall notify the Division Chief of any hazardous WMUs that become subject to the requirements of 40 CFR, Part 264, Subparts AA and BB within 30 days after the start of the regulated activity. {R 299.9630, R 299.9631, and 40 CFR, Part 264, Subparts AA and BB, which are ABR in R 299.11003}

2. The licensee shall comply with the requirements of 40 CFR, Part 264, Subpart CC regarding air emission standards for tanks and containers. {R 299.9634 and 40 CFR, Part 264, Subpart CC, which is ABR in R 299.11003}

3. The licensee shall operate the facility in a manner that minimizes odors emanating from the facility and that prevents odors which violate Part 55, Air Pollution Control, of Act 451 and the rules promulgated pursuant thereto. A violation of Part 55 or its rules, including the issuance of a Violation Notice by the MDEQ, is a violation of this condition.

{R 299.9521(3)(b) and R 299.9602(1)(b)}.

Q. HAZARDOUS WASTE DELIVERY AND ON-SITE WASTE TRANSPORT REQUIREMENTS

1. All deliveries of hazardous waste to the facility shall be made in accordance with the Waste Delivery Procedures, Attachment 6, of this license. {R 299.9521(3)(b)}

2. The licensee shall provide written notification to the transportation companies frequenting the facility that:

   (a) Wastes shipped to the facility must be placed into closed containers or covered during transportation. The structural integrity of the waste containers must prevent leakage while in transit.

   (b) All vehicles transporting hazardous waste to or from the facility shall use Rawsonville Road to enter and exit the facility.

   (c) Vehicles transporting hazardous waste to or from the facility shall neither park nor stand on the North I-94 Service Drive.

   {R 299.9521(3)(b)}

3. All vehicles transporting or holding hazardous or decharacterized waste or waste constituents, treated or untreated, while at the facility, shall be covered at all times except when sampling, loading, or unloading. Vehicles shall be uncovered no more than 15 minutes before such activities and shall be covered no later than 15 minutes after such activities.

4. The licensee shall maintain adequate access for ingress and egress to any portion of the facility to allow unobstructed movement of personnel and equipment in case of an emergency. {R 299.9606 and 40 CFR, §264.34, which is ABR in R 299.11003}

R. GENERAL HOUSEKEEPING

1. If any visible contamination remains on the exterior of a vehicle, the licensee shall decontaminate that vehicle to prevent the vehicle from tracking the contamination through the facility or outside the facility. {R 299.9521(3)(b)}

2. The licensee shall remove any spilled or leaked waste at the facility immediately upon detection and manage it in accordance with the requirements of Part 111 of Act 451 and its rules.

S. DOCUMENTS TO BE MAINTAINED AT THE FACILITY

The licensee shall maintain at the facility the following documents and amendments required by this license, until closure is completed unless otherwise allowed by Part 111 of Act 451 and its rules, certified by an independent registered professional engineer, and the facility is released from financial assurance requirements for closure by the Director:

1. Waste Analysis Plan, including Quality Assurance/ Quality Control (QA/QC) Plans.
2. Inspection Schedules and records.
3. Personnel training documents and records.
4. Contingency Plan.
5. Closure Plan.
6. Cost estimates for facility closure and copies of related financial assurance documents.
7. Operating record.
8. Site Security Plan.
9. Facility engineering plans and specifications.
10. Recordkeeping procedures.
11. Environmental Monitoring Plans, including Sampling and Analysis Plans and QA/QC Plans.
12. Environmental monitoring data and statistical records.
13. Preventative procedures (personnel protection plan).
14. Hazardous waste minimization program certification.

{R 299.9521(3)(a)}

T. ENGINEERING PLANS

The licensee shall construct, operate, and maintain the facility in accordance with the plans and specifications included in Attachments 7 and 8 of this license. Any modifications to those plans shall be made in accordance with this license.

PART III

CONTAINER STORAGE AND TREATMENT CONDITIONS

A. COVERAGE OF LICENSE

The hazardous waste container storage areas at the facility shown in drawings entitled Site Plan and Facility Drawing are covered by this license. Any expansion or enlargement beyond the facility boundary shown on the previously referenced drawings or beyond the 264,300 gallon storage design capacity requires a construction permit from the Director. Drawings entitled Surveyed Property Description and Facility Drawing, and Drawings C2, C5, C6, S19, S20, S23, M26, C8, C9, C10, C11, S3, PP10, A10, and A11 are incorporated herein as part of Attachment 7. {R 299.9521(1)(b)}

B. WASTE IDENTIFICATION AND QUANTITY

1. The licensee may store no more than a total volume of 264,300 gallons of the hazardous wastes listed in the Acceptable Waste Types, Appendix A of the Waste Analysis Plan, Attachment 1, of this license in containers at the facility, subject to the terms of this license. For the purposes of converting gallons to pounds, the conversion factor shall be 8.34 pounds equal one gallon of water. {R 299.9521(2)(d)}

2. A maximum of 82,500 gallons or 1500, 55-gallon container equivalents may be stored in the North Container Storage Area subject to the terms of this license. {R 299.9521(3)(b)}

3. A maximum of 33,000 gallons or 600, 55-gallon container equivalents may be stored in the East Container Storage Area subject to the terms of this license. {R 299.9521(3)(b)}

4. The licensee may temporarily store a maximum of 11,000 gallons or 200, 55-gallon container equivalents of untreated waste or 500 cubic yards of treated waste in the West Treatment Bay and East Treatment Bays, subject to the terms of this license. Containers of untreated waste may be stored in this area for no more than one eight-hour shift. {R 299.9521(3)(b)}

5. At no time shall the total number of containers in storage in the North Container Storage Area, the East Container Storage Area, and within the bays of the treatment building exceed a maximum of 82,500 gallons or 1500, 55-gallon container equivalents. {R 299.9521(3)(b)}

6. A maximum of 900 cubic yards of solid hazardous waste in containers may be stored in the Southeast Container Storage Area subject to the terms of this license. {R 299.9521(3)(b)}

7. The licensee may construct a concrete hazardous waste container storage pad to store a maximum of 181,800 gallons of liquid hazardous waste in the Southeast Container Storage Area without a construction permit from the Director provided that the following conditions are complied with:

   (a) Construction of the concrete hazardous waste container storage pad shall be completed within three years from the effective date of this license. {R 299.9516(1)}

   (b) The licensee shall obtain the Division Chief written approval of the engineering design plans and specifications for the concrete hazardous waste container storage pad prior to construction.

(c) Construction of the concrete hazardous waste container storage pad shall occur within the licensed boundaries of the Southeast Container Storage Area.

(d) Within 30 days of construction completion, the licensee shall submit via certified mail or hand delivery a construction certification report to the Division Chief. The construction certification report shall include the following:

(i) As-built drawings of the constructed concrete hazardous waste container storage pad.

(ii) A letter signed by the licensee and a registered professional engineer attesting that:

(1) The facility has been constructed in compliance with the license and approved plans.

(2) The WHMD has inspected the constructed concrete hazardous waste container storage pad and finds it is in compliance with the conditions of the license.

(e) The licensee shall institute a MDEQ approved detection monitoring program for the shallow sand unit as required by Condition V.A.10 of this license prior to operation of the concrete hazardous waste container storage pad.

{R 299.9521(1)(b)(ii)}

C. **WASTE TREATMENT METHODS**

The licensee may treat hazardous debris contaminated with the hazardous waste codes listed in Appendix A of the Waste Analysis Plan, Attachment 1 of this license in macroencapsulation units at the facility, subject to the terms of this license. Placement of hazardous debris directly into a macroencapsulation unit shall occur only inside the treatment building under the confines of the air pollution control equipment. {R 299.9521(2)(d), R 299.9627, and 40 CFR, §268.45, which is ABR in R 299.11003}

D. **WASTE BULKING OR CONSOLIDATION**

1. The licensee shall only bulk or consolidate containers of hazardous waste in the North Container Storage Area in accordance with the procedures described in the attached Waste Analysis Plan, Attachment 1 of this license. {R 299.9605(1) and 40 CFR, §264.13}

2. During waste bulking or consolidating activities, the licensee shall do the following:

(a) Operate the air ventilation system in the North Container Storage Area in accordance with the July 19, 2002, as-built engineering design and specifications.

(b) Operate an odor control system approved by the Division Chief in the air ventilation system to absorb odors from the air prior to discharge to the atmosphere. {R 299.9521(3)(b) and R 299.9602(1)(b)}

3. The licensee shall establish standard operating procedures (SOP) for the operation of the odor control system approved by the Division Chief. The SOP shall be submitted to the Division

Chief within 60 days of the issuance of this license. A new SOP shall be submitted to the Division Chief for review and approval whenever the licensee proposes to use a different odor control technology. The licensee shall follow and document the use of the approved procedures in the facility operating record (Condition II.I.1).{R 299.9521(3)(b) and R 299.9602(1)(b)}

E. USE AND MANAGEMENT OF CONTAINERS

1. The licensee shall manage all containers in compliance with R 299.9521(3)(b), R 299.9614, R 299.9627, and 40 CFR, §§264.171, 264.172, 264.173, and 268.50(a)(2)(i).

2. The licensee shall stack 55-gallon drums no greater than two high or other containers no higher than 72 inches in the hazardous waste container storage areas referenced in Condition III.A. of this license. {R 299.9521(3)(b)}

3. The licensee shall operate and maintain the containment system in accordance with the requirements of R 299.9614 and 40 CFR, §264.175, and the attached plans and specifications in Attachment 7 of this license.

4. The licensee shall not store containers holding liquid hazardous waste in the Southeast Container Storage Area, unless all requirements of Condition III.B.7 are met. {R 299.9614 and 40 CFR, §264.175}

5. The license may store containers of treated hazardous waste in the North Container Storage Area, provided the following conditions are complied with:

   (a) Containers of treated hazardous waste must be covered during storage.

   (b) No manipulation, except for sampling, of the treated waste is allowed during storage.

   (c) Containers of treated hazardous waste must be evaluated in accordance with the odor evaluation and minimization standard operational procedures approved by the Division Chief prior to storage in the North Container Storage Area. The results of this evaluation must be documented in the operating record. {R 299.9521(3)(b) and 40 CFR, §264.73(b)(3)}

   (d) Operate the air ventilation system in the North Container Storage Area in accordance with Conditions III.D.2 and III.D.3.

6. The licensee may store containers of decharacterized waste that meet land disposal restrictions standards in the container storage areas identified in Condition III.B., subject to the terms of this license.

F. SPECIAL REQUIREMENTS FOR IGNITABLE OR REACTIVE WASTES

1. The licensee is prohibited from storing D003 Explosives as defined in R 299.9212(3)(f), (g), and (h), and D003 Other Reactives as defined in R 299.9212(3)(a).

2. The licensee may store D003 Water Reactives as defined in R 299.9212(3)(b),(c), and (d) and D003 Reactive Sulfides as defined in R 299.9212(3)(e).

3. The licensee shall locate containers holding ignitable or reactive wastes in accordance with R 299.9614 and 40 CFR, §264.176.

4. The licensee shall take precautions to prevent the accidental ignition or reaction of ignitable or reactive wastes by following the procedures specified in the Waste Analysis Plan, Attachment 1, of this license. The licensee shall document compliance with this Ccndition and place this documentation in the operating record. {R 299.9605 and 40 CFR, §264.17(a) and (c)}

5. Containers holding ignitable hazardous waste shall be stored only in the North or East Container Storage Areas while awaiting transshipment off site.

6. Containers holding D003 Water Reactives shall be stored only in the North Container Storage Area while awaiting transshipment off site.

G. SPECIAL REQUIREMENTS FOR INCOMPATIBLE WASTES OR MATERIALS

1. The licensee is prohibited from placing incompatible wastes or incompatible wastes and materials in the same container. {R 299.9521(2)(d) and (3)(b)}]

2. The licensee shall prevent the placement of hazardous waste in an unwashed container that previously held an incompatible waste or material. {R 299.9614 and 40 CFR §264.177(b)}

3. The licensee shall document compliance with Conditions III.G.1 and III.G.2 of this license and place this documentation in the operating record. {R 299.9605 and 40 CFR, §264.17(c)}

4. The licensee shall separate containers of incompatible wastes as indicated in the procedures contained in the Waste Analysis Plan, Attachment 1 of this license. {R 299.9614 and 40 CFR, §264.177(c)}

H. DISPOSITION OF ACCUMULATED LIQUIDS AND SOLIDS

The licensee shall remove liquids and pumpable solids from the containment system within 24 hours of detection. Nonpumpable solids shall be removed every 60 days. For high precipitation conditions, where removal cannot be completed within 24 hours, removal of the spilled or leaked waste and accumulated precipitation must begin within 24 hours of detection and continue until that removal is complete. Removed spilled and leaked waste and accumulated precipitation shall be managed in accordance with the requirements of Part 111 of Act 451 and the rules, as specified in Attachment 7 of this license. {R 299.9521(3)(b), R 299.9614(1)(a) and 40 CFR, §264.175(b)(5).

I. COMPLIANCE WITH AIR EMISSION AND WASTE MANAGEMENT REQUIREMENTS FOR STORAGE IN CONTAINERS

The licensee shall operate the facility in a manner that will prevent air emissions in violation of Part 55 of Act 451. {R 299.9602(1)(b)}

PART IV

TANK SYSTEM STORAGE AND TREATMENT CONDITIONS

A. COVERAGE OF LICENSE

The hazardous waste tank system storage and treatment areas at the facility shown on the Facility Drawing are covered by this license. Any expansion or enlargement beyond the facility boundary shown on the Facility Drawing or beyond the 649,880-gallon tank system storage design capacity or beyond the 576,000-gallon per day treatment design capacity requires a construction permit from the Director. The Facility Drawing and Drawings numbered S1, S5, S6, S9, S10, PP2, PP3, PP4, PP7, PP8, PP10, PP11, PP16, PP19, M3, M5, M7, and M8 are incorporated into this license as Attachment 8. {R 299.9521(1)(b)}

B. WASTE IDENTIFICATION AND QUANTITY

1. The licensee may store no more than a total volume of 649,880 gallons of the hazardous wastes listed in Appendix A of the Waste Analysis Plan, Attachment 1, in the tank systems identified as Tanks 2, 3, 6, A, B, C, D, E, F, G, H, 16, 17, 18, 19, 25, and 27 in Attachment 8, subject to the terms of this license. For the purposes of converting gallons to pounds, the conversion factor shall be 8.34 pounds equal one gallon of water. {R 299.9521(2)(d) and (3)(a) and (b)}

2. The licensee may store a maximum of 60,000 gallons of dry hazardous waste dust in the three hazardous waste lime storage silos designated Tanks 2, 3, and 6. {R 299.9521(2)(d) and (3)(a) and (b)}

3. The licensee may store a maximum of 389,880 gallons of hazardous wastes in the eight waste treatment tanks designated Tanks A, B, C, D, E, F, G, and H. {R 299.9521(2)(d) and (3)(a) and (b)}

4. The licensee may store a maximum of 80,000 gallons of hazardous wastes awaiting treatment in the four waste/reagent storage tanks designated Tanks 16, 17, 18, and 19. {R 299.9521(2)(d) and (3)(a) and (b)}

5. The licensee may store a maximum of 40,000 gallons of hazardous waste or waste regent in the waste/reagent storage tanks designated Tanks 25 and 27. {R 299.9521(2)(d) and (3)(a) and (b)}

6. Two, 40,000 gallon sludge receiving tanks designated as Tanks 11 and 12 were certified closed on October 25, 2004. The 80,000 gallon storage capacity from these tanks is hereby transferred to the Tank Farm located in the northeast corner of the East Container Storage Area. The licensee may install new hazardous waste tanks to store a maximum of 80,000 gallons without a construction permit from the Director provided that the following conditions are complied with:

   (a) Installation of the new hazardous waste storage tanks shall be completed within three years from the effective date of this license. {R 299.9516(1)}

(b) The licensee shall obtain the Division Chief written approval of the engineering design plans and specifications for the new hazardous waste storage tanks prior to installation.

(c) Installation of the new hazardous waste storage tanks shall occur within the licensed boundaries of the Tank Farm located in the northeast corner of the East Container Storage Area.

(d) Within 30 days of installation completion, the licensee shall submit via certified mail or hand delivery an installation certification report to the Division Chief. The installation certification report shall include the following:

(i) As-built drawings of the installed hazardous waste storage tanks.

(ii) Written tank assessments as required by the provisions of R 299.9615(1) and 40 CFR, §264.192.

(iii) A letter signed by the licensee and a registered professional engineer attesting that:

(1) The facility has been constructed in compliance with the license and approved plans.

(2) The WHMD has inspected the installation of the hazardous waste tanks and finds it is in compliance with the conditions of the license.

{R 299.9521(1)(b)(ii)}

C. **WASTE TREATMENT CAPACITY AND METHODS**

1. The licensee may treat no more than a total volume of 576,000 gallons a day of the hazardous wastes listed in Appendix A of the Waste Analysis Plan, Attachment 1, of this license in the tank systems identified as Tanks A, B, C, D, E, F, G, H, 14, and 15 subject to the terms of this license. {R 299.9521(2)(d) and (3)(a) and (b)}

2. The licensee shall treat hazardous wastes listed in Appendix A of the Waste Analysis Plan, Attachment 1, of this license through chemical stabilization. For wastes that require more than one type of treatment, the licensee shall use neutralization, deactivation, chemical oxidation, and/or chemical reduction treatment technologies. Waste treatment shall be conducted in accordance with the methods and procedures specified in Attachments 1 and 8 of this license, subject to the terms of this license. {R 299.9633}

3. The licensee may treat hazardous debris contaminated with waste codes listed in Appendix A of the Waste Analysis Plan, Attachment 1, of this license by using the microencapsulation and macroencapsulation immobilization technologies specified in 40 CFR, §268.45 and the procedures specified in the Waste Analysis Plan, Attachment 1, of this license, subject to the terms of this license. {R 299.9521(2)(d), R 299.9627, and 40 CFR, Part 268, which is ABR in R 299.11003}

4. The licensee may operate the treatment system 24 hours per day, seven days per week. {R 299.9521(3)(b)}

5. The licensee shall operate the air pollution control equipment when waste is stored or treated and maintain negative static pressure in the waste treatment building (pugmill mixer rooms, waste treatment/storage tanks) at all times that waste is stored in the treatment building, excluding air pollution control device malfunctions and routine maintenance as allowed under Part 55 of Act 451 and its rules. Waste treatment shall cease during air pollution control device malfunctions and routine maintenance. The licensee shall not have more than one overhead door open at a time on the east side and the west side of the waste treatment process building. {R 299.9602(1)(b) and R 299.9521(3)(b)}

6. The licensee shall cover hazardous and nonhazardous treated waste loads in the treatment building prior to the load being transported from the treatment building. {R 299.9521(3)(b)}

7. The licensee shall not mix waste during treatment in such a manner that the fire suppression system is damaged or made ineffective. {R 299.9521(3)(b)}

8. Treatment of hazardous waste shall be completed within the confines of the treatment building. Except as specified in this condition, emissions from the treatment of hazardous waste must be controlled with a permitted air pollution control system. {R 299.9602(1)(b) and R 299.9521(3)(b)}

9. Treated hazardous and decharacterized waste shall be directly transferred from the treatment building and stored in the licensed storage areas in accordance with Conditions III.E.5 and III.E.6 of this license. {R 299.9602(1)(b) and R 299.9521(3)(b)}

D. DESIGN, CONTAINMENT, AND ASSESSMENT OF TANK SYSTEMS

The licensee shall operate and maintain all tank systems in accordance with the applicable requirements of R 299.9615 and 40 CFR, §§264.191, 264.193, and 264.194, and in accordance with the attached plans and specifications in Attachment 8 of this license.

E. MANAGEMENT OF TANK SYSTEMS

1. The licensee shall label and manage the tank systems in accordance with the requirements of R 299.9615, R 299.9627, 40 CFR, §§264.194, 264.196, and 268.50(a)(2)(ii), R 29.4101 to R 29.4504 pursuant to the provisions of the Fire Prevention Act, 1941 PA 207, as amended, National Fire Protection Association (NFPA) Standard No. 704, and the spill and overfill prevention procedures specified in Attachment 8 of this license. {R 299.9615}

2. The licensee shall conduct the treatment of hazardous wastes in accordance with the methods and procedures specified in Attachments 1 and 8 of this license. {R 299.9633}

F. SPECIAL REQUIREMENTS FOR IGNITABLE OR REACTIVE WASTES OR MATERIALS

1. The licensee shall not store ignitable waste in a tank system, unless the procedures described in the Waste Analysis Plan, Attachment 1, of this license are followed. The licensee shall document compliance with this condition and place this documentation in the operating record. {R 299.9605, R 299.9609, and R 299.9615 and 40 CFR, §§264.17(c), 264.73(b)(3), and 264.198(a)}

2. The licensee shall maintain the protective distances between the tank systems and any public ways, streets, alleys, or adjoining property lines that can be built upon, as required in Tables 2-1 through 2-6 of the NFPA's "Flammable and Combustible Liquids Code" (1977 or 1981) as specified in Attachment 8 of this license, and as required by R 299.9615 and 40 CFR, §264.198(b).

3. The licensee shall not treat ignitable wastes or materials having a flashpoint less than 90°F in tank systems at the facility. {R 299.9521(2)(d) and (3)(d)}

4. The licensee shall not store or treat D003 reactive wastes or materials, or any wastes or materials that exhibit a characteristic of reactivity as defined in R 299.9212 in tank systems at the facility. {R 299.9521(2)(d) and (3)(d)}

5. The licensee may store or treat deactivated reactive wastes or materials that do not exhibit the characteristic of reactivity as defined in R 299.9212. {R 299.9521(2)(d) and (3)(b)}

G. SPECIAL REQUIREMENTS FOR INCOMPATIBLE WASTES OR MATERIALS

The licensee shall not place incompatible wastes or incompatible wastes and materials, in the same tank system or place hazardous waste in a tank system that has not been decontaminated and that previously held an incompatible waste or material. The licensee shall document compliance with this condition in the operating record. {R 299.9609, R 299.9615, and 40 CFR, §§264.17(c), 264.73(b)(3), and 264.199}

H. DISPOSITION OF ACCUMULATED LIQUIDS AND SOLIDS

The licensee shall remove liquids and pumpable solids from the containment system within 24 hours of detection. Nonpumpable solids shall be removed every 60 days. For high precipitation conditions, where removal cannot be completed within 24 hours, removal of the spilled or leaked waste and accumulated precipitation must begin within 24 hours of detection and continue until that removal is complete. Removed spilled and leaked waste and accumulated precipitation shall be managed in accordance with the requirements of Part 111 of Act 451 and its rules, as specified in Attachment 7 of this license. {R 299.9521(3)(b), R 299.9614(1)(a), and 40 CFR, §264.175(b)(5).

I. COMPLIANCE WITH AIR EMISSION AND WASTE MANAGEMENT REQUIREMENTS FOR STORAGE AND TREATMENT IN TANK SYSTEMS

The licensee shall operate the facility in a manner that will prevent air emissions in violation of Part 55 of Act 451. {R 299.9602(1)(b)}

PART V

ENVIRONMENTAL MONITORING CONDITIONS

A. GROUNDWATER MONITORING PROGRAM

1. The licensee shall conduct a detection monitoring program in the glacial sand and bedrock aquifers for primary and secondary parameters. Under this program, the licensee shall operate and maintain a groundwater monitoring system in accordance with the Groundwater Monitoring Program Sampling and Analysis Plan (SAP), Attachment 9 of this license. {R 299.9611(2)(a) and (b), R 299.9612, R 299.9629, and 40 CFR, Part 264, Subpart F, excluding 40 CFR, §§264.94(a)(2) and (3), 264.94(b) and (c), 264.100, and 264.101}

2. Water removed from each monitoring well shall be managed as specified in Section V of Attachment 9 of this license. {R 299.9521(3)(b)}

3. The licensee shall submit an annual groundwater report to the Division Chief no later than March 1 for the previous calendar year's activities. At a minimum, the report shall include the following information:

   (a) A narrative summary of the previous calendar year's sampling events, including sampling event dates, the identification of any significant problems with respect to SAP procedures, and copies of field log sheets.

   (b) A determination of the groundwater flow rate and direction in the monitored zones (shallow sand zone, drift aquifer, and bedrock aquifer), including the preparation of a groundwater level contour map from this data.

   (c) A summary of groundwater quality data results, including narrative, tabular, and graphical summaries of results and trends.

   (d) A presentation of the statistical analysis of the data and the identification of any statistically significant increases (and/or pH decreases) pursuant to Condition V.A.5 of this license.

   (e) An analysis and discussion of laboratory and field related QA/QC information. This shall include results of equipment, field, and trip blanks, and a discussion and evaluation of the adequacy of the data with respect to SAP specifications and requirements.

   {R 299.9521(3)(b), R 299.9612(1) and 40 CFR, §264.97(j)}

4. The licensee shall establish background groundwater quality values at monitoring wells as specified in Section 3.0 of Attachment L of Attachment 9 of this license. {R 299.9612(1)(c), (d), and (e) and 40 CFR, §264.97(a) and (g)}

5. Within 60 days after each sampling of each monitoring well, the licensee shall determine if a statistically significant increase (or change in pH) has occurred compared to background levels for each primary and secondary parameter listed in Table 3 of Attachment H of Attachment 9 of this license. For the primary parameters, any occurrence above the laboratory detection limit(s) for the parameters shall be considered statistically significant. {R 299.9612(1)(c) and (e) and 40 CFR, §264.97(h) and (i)}

6. If a statistically significant increase (or change in pH) is detected for any primary or secondary parameter, the licensee shall notify the Division, Hazardous Waste Section, Technical Support Unit, by telephone within one working day and arrange a resampling as soon as possible to confirm if a statistically significant increase (or change in pH) exists. Resampling must include not less than four replicate samples at the affected well(s) for the parameter(s) in question. For the primary and any other nonnaturally occurring parameters, a statistically significant increase shall be confirmed if at least two of the four resample results are detected above the laboratory detection limit(s) for the parameter(s), or if at least one of the resample results is detected at five times the laboratory detection limit. For the naturally occurring secondary parameters, a statistically significant increase shall be confirmed using the average concentration of the four confirmation samples as the analytical result in the statistical procedures specified in Attachment L of Attachment 9 of this license. {R 299.9612 and 40 CFR, §264.97(g)}

7. If the licensee determines pursuant to Conditions V.A.5 and V.A.6 of this license that a statistically significant increase has been confirmed for any primary parameter, the licensee shall address the increase in accordance with the requirements specified in R 299.9612 and 40 CFR, §264.98(f) and (g). Additionally, the licensee shall:

   (a) Within one working day, notify the Division Chief or the appropriate Waste and Hazardous Materials Division Supervisor, or if unavailable, the MDEQ PEAS at 1-800-292-4706.

   (b) Immediately take steps to determine the cause of the contamination and eliminate the source of discharge.

   (c) Within 180 days after the determination, submit to the Division Chief detailed description of corrective actions that shall achieve compliance with applicable laws and rules, including a schedule of implementation. Corrective action shall also meet the requirements of R 299.9629, and include a plan for a groundwater monitoring program that shall demonstrate the effectiveness of the corrective action. Such a groundwater monitoring program may be based on a compliance monitoring program developed to meet the requirements of 40 CFR, §264.99.

   (d) Prior to a license modification requiring a compliance monitoring and corrective action program, the licensee shall provide the Division Chief, or his or her designee, with weekly telephone updates and written reports every two weeks regarding the progress to date in determining the cause of contamination and eliminating the discharge. The written report shall include the results of all samples from environmental monitoring conducted by the licensee. {R 299.9521(3)(b)}

8. If the licensee determines pursuant to Conditions V.A.5 and V.A.6 of this license that a statistically significant increase (or change in pH) has occurred for any secondary parameter, the licensee shall address the increase (or change in pH) in accordance with the requirements specified in R 299.9612. Additionally, the licensee shall:

   (a) If confirmed, immediately take steps to determine the cause of contamination and eliminate the source of the discharge. A report that explains the chronology of events, investigative methods, all laboratory analyses, calculations, field activities, and findings, related to this determination shall be submitted within 60 days after a statistically significant determination under Condition V.A.5 and V.A.6 of this license.

(b) Demonstrate that a source other than the licensed facility, or an error in sampling, analysis, or evaluation solely caused the increase. A report that contains the information in Condition V.A.8(a) of this license shall be submitted within 60 days after a statistically significant determination under Condition V.A.5 and V.A.6 of this license.

9. In the event that the Division Chief determines from the findings of Conditions V.A.5 and V.A.6 of this license that a statistically significant increase (or change in pH) in hazardous constituents has occurred in the groundwater, and the Director finds, in accordance with Section 11148 of Act 451, that the increase (or change in pH) may present an imminent and substantial hazard to the health of persons or to the natural resources, or is endangering or causing damage to public health or the environment, the licensee shall immediately comply with an order issued by the Director pursuant to Section 11148(1) of Act 451 to cease waste receipt, storage, and treatment at the affected units and conduct other activities as required by the Director to eliminate the said endangerment. {R 299.9612(1)(g)}

10. The licensee shall conduct a quarterly hydraulic monitoring program for the shallow sand unit as specified in Attachment 9 of this license. A detection monitoring program must be initiated prior to operation of the concrete hazardous waste storage pad pursuant to Condition III.B.7 of this license, or if the MDEQ determines that groundwater in the shallow sand unit is not flowing to the east and discharging to the South Sedimentation Basin.

11. The licensee shall report all groundwater detection monitoring and hydraulic monitoring results as required by Condition II.I.3 of this license.

B. **AMBIENT AIR MONITORING PROGRAM]**

1. The licensee shall conduct ambient air monitoring in accordance with the program specified in Attachment 10 of this license. {R 299.9611(2)(c)}

2. The licensee shall report ambient air monitoring results as required by Condition II.I.3 of this license.

PART VI

CORRECTIVE ACTION CONDITIONS

A. CORRECTIVE ACTION AT THE FACILITY

1. The licensee shall implement corrective action for all releases of a contaminant from any WMUs at the facility, regardless of when the contaminant may have been placed in or released from the WMU. For the purposes of this license, the term "corrective action" means an action determined by the Division Chief to be necessary to protect the public health, safety, welfare, or the environment, and includes, but is not limited to, investigation, evaluation, cleanup, removal, remediation, monitoring, containment, isolation, treatment, storage, management, temporary relocation of people, and provision of alternative water supplies, or any corrective action allowed under Title II of the federal Solid Waste Disposal Act, or regulations promulgated pursuant to that act. For the purposes of this license, the remedial process associated with the environmental protection standards of Part 201, Environmental Remediation, of Act 451 shall be used to satisfy the corrective action obligations under this license. {§§11102, 11115a, 20120a, and 20120b of Act 451 and R 299.9629(1)(a)}

2. To the extent that a release of a hazardous substance, as defined in Section 20101(t) of Act 451, that is not also a contaminant, as defined in Section 11102(2) of Act 451, is discovered while performing corrective action under this license, the licensee shall take concurrent actions as necessary to address the Part 201 of Act 451 remedial obligations for that release. {R 299.9521(3)(b)}

B. CORRECTIVE ACTION BEYOND THE FACILITY BOUNDARY

The licensee shall implement corrective action beyond the facility in accordance with Section 11115a of Act 451 and R 299.9629(2).

C. IDENTIFICATION OF WASTE MANAGEMENT UNITS

The WMUs and area of concern (AOC) at the facility are identified below and shown on the Facility Drawing and the Michigan Disposal, Inc., Facility Boundaries Layout and Drainage figures in Attachment 11 of this license.

WMU Number 1	The Former Michigan Disposal Waste Processing Facility
WMU Number 2	Lagoon A and Stormwater Retention Basin
WMU Number 3	Lagoon B
WMU Number 4	Lagoon C
WMU Number 5	The Existing Michigan Disposal Waste Treatment Plant *(which includes 4 container storage units, 9 storage tanks, and 8 treatment tanks)*
WMU Number 6	Southeast Container Storage Area
AOC	Truck Dock

1. The following WMUs and AOC, identified in the September 30, 1999, *MDEQ Hazardous Waste*

Management Facility Operating License and in the April 30, 2004, *Michigan Disposal Waste Treatment Plant Part 111 Hazardous Waste Operating License Renewal Application*, require no further corrective action at this time. No further corrective action is required at this time because the units are currently operating pursuant to Part 111 of Act 451 and its rules with no evidence of a release of any contaminants. Corrective action may be required when the WMUs undergo final closure.

(a) WMU Number 5 — The existing Michigan Disposal Waste Treatment Plant *(which includes 4 container storage units, 9 storage tanks, and 8 treatment tanks)*

(b) WMU Number 6 — Southeast Container Storage Area

(c) AOC — Truck Dock

2. The following WMUs, identified in the *Closure Certification Former Processing Plant Report* dated March 19, 1991, but formally submitted to the MDEQ on April 3, 1991, and in the *Overview of Operation, Closure, and Environmental Monitoring Former Michigan Disposal, Inc. Waste Processing Facility Report* dated January 7, 1992, require no further corrective action at this time. The determination that no further corrective action is required at this time is based on the MDEQ's review of the March 19, 1991, and January 7, 1992, Reports which indicates releases from the WMUs have been adequately addressed. The MDEQ accepted the closure certification for the former Michigan Disposal Processing Facility on September 2, 1999.

(a) WMU Number 1 — The Former Michigan Disposal Processing Facility

(b) WMU Number 2 — Lagoon A and Stormwater Retention Basin

(c) WMU Number 4 — Lagoon C

3. The following WMU, identified in the *Overview of Operation, Closure, and Environmental Monitoring Former Michigan Disposal, Inc. Waste Processing Facility Report* dated January 7, 1992, requires no further corrective action at this time. This WMU was reported to have been closed in accordance with Subpart K standards. However, no evidence of verification sampling was provided in the January 7, 1992, Report. Without this information, a final determination on the status of the WMU can not be made at this time. Corrective action may be required for WMU Number 3 when WMU Number 5 undergoes final closure. This approach is necessary since WMU Number 3 is located beneath WMU Number 5 and any further investigations of WMU Number 3 at this time would be disruptive to facility operations.

WMU Number 3 — Lagoon B

4. Within 30 days after discovery of a new release of a contaminant from a WMU, the licensee shall provide written notification to the Division Chief. The written notification shall include all available information pertaining to the release. Based on a review of all of the information, the Division Chief may require corrective action for the newly identified release. The licensee shall

submit a written Remedial Investigation (RI) Work Plan to the Division Chief within 60 days after written notification by the Division Chief that corrective action for the release is required.

{§§11102 and 11115a of Act 451, R 299.9521(3)(b), and R 299.9629}

5. Within 30 days after discovery of a new WMU or a release of a contaminant from a new WMU, the licensee shall provide written notification to the Division Chief. The written notification shall include all of the following information:

   (a) The location of the unit on the facility topographic map.

   (b) The designation of the type of unit.

   (c) The general dimensions and structural description, including any available drawings of the unit.

   (d) The date the unit was operated.

   (e) Specification of all waste(s) that have been managed in the unit.

   (f) All available information pertaining to any release of a contaminant from the unit.

6. Based on a review of all of the information provided in Condition VI.C.5. of this license, the Division Chief may require corrective action for the newly identified WMU. The licensee shall submit a written RI Work Plan to the Division Chief within 60 days after written notification by the Division Chief that corrective action for the unit is required.

{§§11102 and 11115a of Act 451, R 299.9504(1), R 299.9508(1)(b), R 299.9629, and 40 CFR, §270.14(d)}

D. REMEDIAL INVESTIGATION

The licensee shall conduct a RI that conforms with the provisions of Part 201 of Act 451 to determine if a release of a contaminant(s) from any of the WMUs identified in Condition VI.C. of this license has occurred, and if a release(s) has occurred, evaluate the nature and extent of the release(s). The licensee shall submit a written RI Work Plan, RI Final Report, documenting compliance with the approved RI Work Plan and supporting further corrective action at the facility, and RI progress reports to the Division Chief for review and approval in accordance with Condition VI.K. of this license. The Division Chief will approve, modify and approve, or provide a Notice of Deficiency (NOD) for the RI Work Plan and RI Final Report. Upon approval, the RI Work Plan and RI Final Report become enforceable conditions of this license. {§§11102 and 11115a of Act 451, R 299.9629, and Part 201 of Act 451}

E. INTERIM RESPONSE ACTIVITIES

The licensee shall conduct interim response activities (IRA) at the facility, if determined necessary by the licensee or the Division Chief, to clean up or remove a released contaminant or to take other actions, prior to the implementation of a remedial action, as may be necessary to prevent, minimize, or mitigate injury to the public health, safety, or welfare, or to the environment. The licensee shall conduct IRA that conform with the IRA provisions of Part 201 of Act 451. The licensee shall submit written IRA Work Plan, IRA Final Report, documenting compliance with the approved IRA Work Plan and

supporting further corrective action at the facility, and IRA progress reports to the Division Chief for review and approval in accordance with Condition VI.K. of this license. The Division Chief will approve, modify and approve, or provide a Notice of Deficiency (NOD) for the IRA Work Plan and IRA Final Report. Upon approval, the IRA Work Plan and IRA Final Report become enforceable conditions of this license. {§§11102 and 11115a of Act 451, R 299.9629, and Part 201 of Act 451}

F. **DETERMINATION OF NO FURTHER ACTION**

1. The licensee shall continue response activities to the extent necessary to ensure that the applicable environmental protection standards established under Part 201 of Act 451, as adopted in Part 111 of Act 451, are met, if the limits are not less stringent than allowed pursuant to the provisions of RCRA.

2. Based on the results of the RI and other relevant information, the licensee shall submit a written request for a minor license modification to the Division Chief if the licensee wishes to terminate corrective action for a specific WMU identified in Condition VI.C. of this license. The licensee must demonstrate that there have been no releases of a contaminant(s) from the WMU and that the WMU does not pose a threat to public health, safety, welfare, or the environment.

3. Based on the results of the RI and other relevant information, the licensee shall submit a written request for a major license modification to the Division Chief if the licensee wishes to terminate facility-wide corrective action. The licensee must conclusively demonstrate that there have been no releases of a contaminant(s) from any of the WMUs at the facility and that none of the WMUs pose a threat to public health, safety, welfare, or the environment.

4. If, based upon a review of the licensee's request for a license modification pursuant to Condition VI.F.2 or VI.F.3 of this license, the results of the completed RI, and other relevant information, the Division Chief determines that the releases or suspected releases of a contaminant(s) do not exist and that the WMU(s) do not pose a threat to public health, safety, welfare, or the environment, the Division Chief will approve the requested modification.

5. A determination of no further action shall not preclude the Division Chief from requiring continued or periodic monitoring of air, soil, groundwater, or surface water, if necessary to protect public health, safety, welfare, or the environment, when facility-specific circumstances indicate that potential or actual releases of a contaminant(s) may occur.

6. A determination of no further action shall not preclude the Division Chief from requiring further corrective action at a later date, if new information or subsequent analysis indicates that a release or potential release of a contaminant(s) from a WMU at the facility may pose a threat to public health, safety, welfare, or the environment. The Division Chief will initiate the necessary license modifications if further corrective action is required at a later date.

{§§11102, 11115a, and 20120a of Act 451 and R 299.9629(2)}

G. **FEASIBILITY STUDY**

If the Division Chief determines, based on the results of the RI and other relevant information, that response activities are necessary, the Division Chief will notify the licensee in writing that a Feasibility Study (FS) is required. If required by the Division Chief, the licensee shall conduct an FS to develop and evaluate the response activity alternative(s) necessary to address the release(s) of a contaminant(s) or hazardous substances and the WMU(s) that are identified in the approved RI Final

Report as requiring final response activities. The licensee shall conduct an FS that conforms with the FS provisions of Part 201 of Act 451. The licensee shall submit written FS Work Plan, FS Final Report, documenting compliance with the approved FS Work Plan and supporting further corrective action at the facility, and FS progress reports to the Division Chief for review and approval in accordance with Condition VI.K. of this license. The Division Chief will approve, modify and approve, or provide a NOD for the FS Work Plan and FS Final Report. Upon approval, the FS Work Plan and FS Final Report become enforceable conditions of this license. {§§11102 and 11115a of Act 451, R 299.9629, and Part 201 of Act 451}

H. REMEDIAL ACTION PLAN

1. The licensee shall conduct final response activities based on the FS Final Report approved by the Division Chief. The licensee shall submit a written remedial action plan (RAP) that meets the RAP requirements of Part 201 of Act 451. If the final response activities are based on criteria in categories provided for in Section 20120a(1)(a) to (j) or (2) of Act 451, which are adopted by reference in R 299.9629(3)(a)(iii), the licensee shall submit a written RAP that conforms with the RAP provisions in Section 20120b of Act 451 to the Division Chief for review and approval. The licensee shall also submit a written Completion Report, documenting compliance with the completion criteria and providing justification that the remedial actions may cease, and RAP progress reports to the Division Chief for review and approval in accordance with Condition VI.K. of this license. The Division Chief will approve, modify and approve, or provide a NOD for the RAP and Completion Report. Upon approval, the RAP and Completion Report become enforceable conditions of this license.

2. The Division will provide notice of its draft decision on the RAP to persons on the facility mailing list and an opportunity for a public hearing.

3. The licensee shall implement the approved RAP within 60 days after receipt of the Division Chief's written approval of the RAP.

{§§11102, 11115a, 20120a, and 20120b of Act 451 and R 299.9629}

I. CORRECTIVE ACTION MANAGEMENT UNITS

If applicable, the licensee shall comply with the requirements of R 299.9635 in order to designate an area at the facility as a corrective action management unit for implementation of response activities. {R 299.9521(3)(a)}

J. TEMPORARY UNITS

If applicable, the licensee shall comply with the requirements of R 299.9636 in order to designate tank or container storage units used for the treatment or storage of remediation wastes as temporary units for implementation of response activities. {R 299.9521(3)(a)}

K. SUMMARY OF CORRECTIVE ACTION SUBMITTALS

The licensee shall submit the required corrective action documents in accordance with Conditions VI.D., VI.E., VI.G., and VI.H of this license and the schedule below.

CORRECTIVE ACTION DOCUMENT	SUBMITTAL DEADLINE

CORRECTIVE ACTION DOCUMENT	SUBMITTAL DEADLINE
Written notification of a new release of a contaminant from an existing WMU, a new WMU, or a release of a contaminant from a new WMU	Within 30 days after discovery
RI Work Plan for a newly identified release of a contaminant from an existing WMU, a new WMU, or a release of a contaminant from a new WMU	Within 60 days after receipt of written notification that response activity is required
RI Work Plan for existing WMUs, AOC, and contaminant releases	Within 60 days after the WMUs or AOC undergo final closure
Revised RI Work Plan for WMUs, AOC, and contaminant releases	Within 30 days after receipt of RI Work Plan NOD
RI progress reports	Within 30 days after initiation of the RI and every 30 days thereafter
RI Final Report for WMUs, AOC, and contaminant releases	Within 60 days after completion of RI
Revised RI Final Report for WMUs, AOC, and contaminant releases	Within 30 days after receipt of RI Final Report NOD
IRA Work Plan for WMUs, AOC, and contaminant releases	Within 60 days after receipt of notification that IRA Work Plan is required
Revised IRA Work Plan for WMUs, AOC, and contaminant releases	Within 30 days after receipt of IRA Work Plan NOD
IRA progress reports	Within 30 days after initiation of the IRA and every 30 days thereafter
IRA Final Report for WMUs, AOC, and contaminant releases	Within 60 days after completion of the IRA
Revised IRA Work Plan for WMUs, AOC, and contaminant releases	Within 30 days after receipt of IRA Final Report NOD
FS Work Plan for WMUs, AOC, and contaminant releases	Within 60 days after receipt of notification that FS is required
Revised FS Work Plan for WMUs, AOC, and contaminant releases	Within 30 days after receipt of FS Work Plan NOD
FS progress reports	Within 30 days after initiation of the FS and every 30 days thereafter
FS Final Report for WMUs, AOC, and contaminant releases	Within 60 days after completion of the FS
Revised FS Final Report for WMUs, AOC, and contaminant releases	Within 30 days after receipt of FS Final Report NOD
RAP for WMUs, AOC, and contaminant releases	Within 60 days after approval of the FS Final

CORRECTIVE ACTION DOCUMENT	SUBMITTAL DEADLINE
	Report
Revised RAP for WMUs, AOC, and contaminant releases	Within 30 days after receipt of RAP NOD
RAP progress reports	Within 30 days after implementation of the RAP and every 30 days thereafter, unless otherwise approved
Completion Report for remediated WMUs, AOC, and contaminant releases	Within 60 days after the remedial actions have been completed and cleanup criteria have been met
Revised Completion Report for WMUs, AOC, and contaminant releases	Within 30 days after receipt of Completion Report NOD

L. **CORRECTIVE ACTION DOCUMENTS RETENTION**

The licensee shall maintain all corrective action documents required by this license at the facility. The documents shall be maintained for the operating life of the facility or until the facility is released from financial assurance requirements for corrective action by the Director, whichever is longer. The licensee shall offer such documents to the Division Chief prior to discarding those documents. {§§11102 and 11115a of Act 451, R 299.9521(3)(b), and R 299.9629}

Appendix 7.

MDWTP
RCRA Permit

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 5
77 WEST JACKSON BOULEVARD
CHICAGO, IL 60604-3590

August 10, 2007

REPLY TO THE ATTENTION OF:

D-8J

7001 0320 0006 1458 8559
CERTIFIED MAIL:
RETURN RECEIPT REQUESTED

Melinda Keillor
EQ-The Environmental Quality Company
49350 North I-94 Service Drive
Belleville, Michigan 48111

RE: Final Federal RCRA Permit
Michigan Disposal Waste Treatment Plant
MID 000 724 831
Belleville, Michigan

Dear Ms. Keillor:

Enclosed is a copy of the final Federal Resource Conservation and Recovery Act (RCRA) permit for Michigan Disposal Waste Treatment Plant (MDWTP), Belleville, Michigan.

Unless review is requested under 40 CFR § 124.19, the Federal permit will become effective on the date which is indicated on the title page of the enclosed Federal RCRA permit. When this Federal permit is effective, MDWTP will have an effective Federal RCRA permit authorizing only those hazardous waste management activities specified in the Federal RCRA permit.

The public was given notice of the draft Federal RCRA permit on May 3, 2007. On that date, the public notice was announced in the *Belleville View and WEMU FM and WWJ* Radios. A copy of the draft Federal RCRA permit and factsheet was made available for review at the Fred C. Fischer Library, 167 Fourth Street, Belleville, Michigan and Van Buren Township Hall, 46425 Tyler Road, Belleville, Michigan. The public comment period extended from May 3 to June 22, 2007. A public hearing was conducted on June 6, 2007, 7:00 p.m. at the Belleville High School in the mini auditorium, 501 West Columbia, Belleville, Michigan.

There is no comment received for the Federal RCRA permit during the public comment period and at the public hearing.

Eligibility to appeal the Federal permit is discussed further in 40 CFR § 124.19. All original documents are to be signed in blue ink with five (5) copies marked as such. The petition for review must be received by U.S. EPA in Washington D.C., via U.S. Postal Service at the address

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indicated below within 30 days after service of notice of the final permit decision.

U.S. Environmental Protection Agency
Clerk of the Board
Environmental Appeals Board (1103B)
Ariel Rios Building
1200 Pennsylvania Avenue, N.W.
Washington, D.C. 20460-0001

Submissions can also be made by hand-delivery or courier, mailed via Federal Express, UPS, or non-U.S. Postal Service at the following address:

U.S. Environmental Protection Agency
Clerk of the Board
Environmental Appeals Board
Colorado Building
1341 G Street, N.W., Suite 600
Washington, D.C. 20005

A copy of the petition should also be sent to:

U.S. Environmental Protection Agency, Region 5
RCRA Branch (DM-7J)
77 West Jackson Boulevard
Chicago, Illinois 60604

The procedures for filing an appeal are found in 40 CFR § 124.19. The administrative appeal procedure must be completed prior to any action seeking judicial review.

If you have questions concerning the final Federal RCRA permit, please contact Jae Lee of my staff at (312) 886-3781.

Sincerely,



Margaret M. Guerriero, Director
Land and Chemicals Division

Enclosures

cc: Kimberly M. Tyson, MDEQ

FINAL

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 5

HAZARDOUS WASTE MANAGEMENT FACILITY PERMIT

Facility Name and Location: Michigan Disposal Waste Treatment Plant
49350 North I-94 Service Drive
Belleville, Michigan 48111

Owner: EQ – The Environmental Quality Company
36255 Michigan Avenue
Wayne, Michigan 48184

Operator: Michigan Disposal Waste Treatment Plant
49350 North I-94 Service Drive
Belleville, Michigan 48111

U.S. EPA Identification Number: MID 000 724 831

Effective Date: September 11, 2007

Expiration Date: September 11, 2017

Authorized Activities:

The United States Environmental Protection Agency ("U.S. EPA") hereby issues a Resource Conservation and Recovery Act permit (hereinafter referred to as the "permit") to the Michigan Disposal Waste Treatment Plant (hereinafter referred to as the "Permittee" or addressed in the second person as "you") in connection with the hazardous waste treatment operations at the Michigan Disposal Waste Treatment Plant facility located at 49350 North I-94 Service Drive, Belleville, Michigan.

This permit is issued under the Solid Waste Disposal Act, as amended by the Resource Conservation and Recovery Act of 1976, and the Hazardous and Solid Waste Amendments ("HSWA") of 1984 (42 USC § 6901 *et seq.*) (collectively referred to as "RCRA") and U.S. EPA's regulations promulgated thereunder (codified, and to be codified, in Title 40 of the Code of Federal Regulations ("40 CFR")).

The RCRA permit consists of both this permit, which contains the effective Federal RCRA permit conditions, and the effective State RCRA permit conditions issued by the State of Michigan's RCRA program authorized under 40 CFR Part 271 (hereinafter called the "State RCRA permit"). Any hazardous waste activity, which requires a RCRA permit and is not included in the RCRA permit, is prohibited.

Permit Approval:

On October 30, 1986, the State of Michigan received final authorization pursuant to Section 3006 of RCRA, 42 USC § 6926, and 40 CFR Part 271, to administer the pre-HSWA RCRA hazardous waste program. The State of Michigan also received final authorization to administer certain additional RCRA requirements on several occasions since then.

However, because the U.S. EPA has not yet authorized the State of Michigan to administer some hazardous wastes listed in 40 CFR Part 261, Subpart D, the U.S. EPA Region 5 is issuing this portion of the RCRA permit to cover operations at the facility which manage wastes for which the State of Michigan is not authorized.

You must comply with all terms and conditions contained in this permit. This permit consists of all the conditions contained herein, the documents attached hereto, all documents cross-referenced in these documents, approved submittals (including plans, schedules and other documents), the applicable regulations in 40 CFR Parts 124, 260, 261, 262, 264, 268, 270, and applicable provisions of RCRA.

This permit is based on the assumption that the information submitted in your RCRA Part B Permit Renewal Application dated April 30, 2004 and subsequent responses and modifications (hereinafter referred to as the "Part B Permit Renewal Application") is accurate, and the facility is configured, operated and maintained as specified in the permit and as described in the Part B Permit Renewal Application and other relevant documents.

Any inaccuracies in the submitted information may be grounds for the U.S. EPA to terminate, revoke and reissue, or modify this permit in accordance with 40 CFR §§ 270.41, 270.42 and 270.43; and for enforcement action. You must inform the U.S. EPA of any deviation from, or changes in, the information in the Part B Permit Renewal Application and other pertinent documents that might affect your ability to comply with the applicable regulations or conditions of this permit.

Opportunity to Appeal:

Petitions for review must be submitted within 30 days after the U.S. EPA serves notice of the final permit decision. Any person who filed comments on the draft permit or participated in the public hearing may petition the Environmental Appeals Board to review any condition of the permit decision. Any person who failed to file comments or failed to participate in the public hearing on the draft permit may file a petition for review only to the extent of the changes from the draft to the final permit decision. The procedures for permit appeals are found in 40 CFR § 124.19.

Effective Date:

This permit is effective as of **September 11, 2007** and will remain in effect until **September 11, 2017**, unless revoked and reissued under 40 CFR § 270.41, terminated under 40 CFR § 270.43, or continued in accordance with 40 CFR § 270.51(a).

Date: August 10, 2007

Margaret M. Guerriero, Director
Land and Chemicals Division

MID 000 724 831
Michigan Disposal Waste Treatment Plant, Belleville, Michigan

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SECTION II—HAZARDOUS WASTE NUMBER 10

SECTION I—STANDARD PERMIT CONDITIONS

I.A EFFECT OF PERMIT

You are hereby allowed to manage hazardous waste at Michigan Disposal Waste Treatment Plant ("facility") in accordance with this permit. Under this permit, the operation of units treating and storing RCRA hazardous waste must comply with all terms and conditions in this permit. Other aspects of the treatment and storage of RCRA hazardous wastes in containers, tanks, and miscellaneous units are subject to the conditions in the State-issued portion of the RCRA permit.

Subject to 40 CFR § 270.4, compliance with the RCRA permit during its term generally constitutes compliance, for purposes of enforcement, with Subtitle C of RCRA.

This permit does not: (1) convey any property rights or any exclusive privilege; (2) authorize any injury to persons or property, or invasion of other private rights; or (3) authorize any infringement of state or local law or regulations. Compliance with the terms of this permit does not constitute a defense to any order issued, or any action brought, under: (1) Sections 3008(a), 3008(h), 3013, or 7003 of RCRA; (2) Sections 104, 106(a), or 107 of the Comprehensive Environmental Response, Compensation, and Liability Act of 1980, 42 USC §§ 9601 *et seq.* (commonly known as CERCLA); or (3) any other law protecting public health or the environment from any imminent and substantial endangerment to human health, welfare, or the environment.
(40 CFR §§ 270.4 and 270.30(g))

I.B PERMIT ACTIONS

I.B.1 Permit Review, Modification, Revocation and Reissuance, and Termination

The U.S. EPA may review, modify, or revoke and reissue this permit, or terminate it for cause, as specified in 40 CFR § 270.41, § 270.42, and § 270.43. The U.S. EPA may also review and modify this permit, consistent with 40 CFR § 270.41, to include any terms and conditions it determines are necessary to protect human health and the environment under Section 3005(c)(3) of RCRA. The filing of a request for a permit modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance on your part will not stay the applicability or enforceability of any permit condition. (40 CFR § 270.30(f))

You may request a modification of this permit under the procedures specified in 40 CFR § 270.42. A class 1 modification is generally allowed without prior approval by U.S. EPA except under certain conditions as described in 40 CFR § 270.42(a)(2). A class 2 modification requires prior approval by U. S. EPA as described in 40 CFR §270.42(b).

However, you may perform construction associated with a Class 2 permit modification request beginning 60 days after submission of the request unless the Director establishes a later date under 40 CFR § 270.42(b)(8). Procedures for a class 3 modification are specified in 40 CFR § 270.42(c). You must not perform any construction associated with a Class 3 permit modification request until such modification request is granted and the modification becomes effective. (40 CFR §§ 270.42(b)(8) and 270.42(c))

I.B.2 Permit Renewal

This permit may be renewed as specified in 40 CFR § 270.30(b) and Section I.E.2 of this permit. In reviewing any application for a permit renewal, the U.S. EPA will consider improvements in the state of control and measurement technology, and changes in applicable regulations. (40 CFR § 270.30(b) and RCRA Section 3005(c)(3))

I.C SEVERABILITY

This permit's provisions are severable; if any permit provision, or the application of any permit provision to any circumstance, is held invalid, such provision's application to other circumstances and the remainder of this permit will not be affected. Invalidation of any statutory or regulatory provision on which any condition of this permit is based does not affect the validity of any other statutory or regulatory basis for that condition. (40 CFR § 124.16(a))

I.D DEFINITIONS

The terms used in this permit will have the same meaning as in 40 CFR Parts 124, 260 through 266, 268 and 270, unless this permit specifically provides otherwise. Where neither the regulations nor the permit define a term, the term's definition will be the standard dictionary definition or its generally accepted scientific or industrial meaning.

I.E DUTIES AND REQUIREMENTS

1.E.1 Duty to Comply

You must comply with all conditions of this permit, except to the extent and for the duration for which an emergency permit authorizes such noncompliance (40 CFR § 270.61). Any permit noncompliance, except under the terms of an emergency permit, constitutes a violation of RCRA and will be grounds for: enforcement action; permit termination, revocation and reissuance, or modification; or denial of a permit renewal application. (40 CFR § 270.30(a))

I.E.2 Duty to Reapply

If you wish to continue an activity this permit regulates after its expiration date, you must apply for and obtain a new permit. You must submit a complete application for a new permit at least 180 days before the permit expires, unless the Director grants permission for a later date. The Director will not grant permission to submit the complete application for a new permit later than the permit's expiration date. (40 CFR § 270.10(h) and § 270.30(b))

I.E.3 Permit Expiration

Unless revoked or terminated, this permit and all conditions herein will be effective for 10 years from this permit's effective date. This permit and all conditions herein will rema in in effect beyond the permit's expiration date if you have submitted a timely, complete application (40 CFR § 270.10 and §§ 270.13 through 270.29), and, through no fault of your own, the Director has not made a final determination regarding permit reissuance. (40 CFR §§ 270.50 and 270.51)

I.E.4 Need to Halt or Reduce Activity Not a Defense

In an enforcement action, you are not entitled to a defense that it would have been necessary to halt or reduce the permitted activity to maintain compliance with this permit. (40 CFR § 270.30(c))

I.E.5 Duty to Mitigate

In the event of noncompliance with this permit, you must take all reasonable steps to minimize releases to the environment resulting from the noncompliance and must implement all reasonable measures to prevent significant adverse impacts on human health or the environment. (40 CFR § 270.30(d))

I.E.6 Proper Operation and Maintenance

You must always properly operate and maintain all facilities and treatment and control systems (and related appurtenances) that you install or use to comply with this permit. Proper operation and maintenance includes effective performance, adequate funding, adequate operator staffing and training, and adequate laboratory and process controls, including appropriate quality assurance/quality control procedures. This provision requires you to operate back-up or auxiliary facilities or similar systems only when necessary to comply with this permit. (40 CFR § 270.30(e))

I.E.7 Duty to Provide Information

You must provide the Director, within a reasonable time, any relevant information that the Director requests to determine whether there is cause to modify, revoke and reissue, or terminate this permit, or to determine permit compliance. You must also provide the Director, upon request, with copies of any records this permit requires. The information you must maintain under this permit is not subject to the Paperwork Reduction Act of 1995, 44 USC §§ 3501 *et seq.* (40 CFR §§ 264.74(a) and 270.30(h))

I.E.8 Inspection and Entry

Upon the presentation of credentials and other legally required documents, you must allow the Director or an authorized representative to:

I.E.8.a Enter at reasonable times upon your premises where a regulated activity is located or conducted, or where records must be kept under the conditions of this permit;

I.E.8.b Have access to and copy, at reasonable times, any records that you must keep under the conditions of this permit;

I.E.8.c Inspect, at reasonable times, any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this permit; and

I.E.8.d Sample or monitor any substances at any location at reasonable times, to assure permit compliance or as RCRA otherwise authorizes.

Notwithstanding any provision of this permit, U.S. EPA retains the inspection and access authority which it has under RCRA and other applicable laws. (40 CFR § 270.30(i))

I.E.9 Monitoring and Records

I.E.9.a Samples and measurements taken for monitoring purposes must be representative of the monitored activity. The methods used to obtain a representative sample of the feed streams, treatment residues, or other hazardous wastes to be analyzed must be the appropriate methods from Appendix I of 40 CFR Part 261, or the methods specified in the Waste Analysis Plan (WAP) which is Section 12 of the Part B Permit Renewal Application, or an equivalent method approved by the Director. Laboratory methods must be those specified in *Test Methods for Evaluating Solid Waste: Physical/Chemical Methods* (SW-846, latest edition), *Methods for Chemical Analysis of Water and Wastes* (EPA

600/4-79-020), or an equivalent method, as specified in the referenced WAP. (40 CFR § 270.30(j)(1))

I.E.9.b You must retain, at the facility, records of all monitoring information as specified in 40 CFR § 264.74.

I.E.9.c You must retain all reports, records, or other documents, required by this permit, and records of all data used to complete the application for this permit, for a period of at least 3 years from the date of the reports, records, or other documents, unless a different period is specified in this permit. These periods may be extended by request of the Director at any time and is automatically extended during the course of any unresolved enforcement action regarding this facility. (40 CFR §§ 270.30(j) and 270.31)

I.E.10 Reporting Planned Changes

You must notify the Director as soon as possible of any planned physical alterations or additions to the permitted facility. (40 CFR § 270.30(l)(1))

I.E.11 Reporting Anticipated Noncompliance

You must notify the Director, in advance, of any planned changes in the permitted facility or activity that may result in permit noncompliance. Advance notice will not constitute a defense for any noncompliance. (40 CFR § 270.30(l)(2))

I.E.12 Certification of Construction

You must not operate any RCRA air emission control devices completed after the effective date of this permit until you have submitted to the Director, by certified mail or hand-delivery, a letter signed both by your authorized representative and by a registered professional engineer. That letter must state that the portions of the facility covered by this permit have been constructed in compliance with the applicable conditions of this permit. In addition, you must not operate the permitted control devices until either: (40 CFR § 270.30(l)(2))

I.E.12a. The Director or his/her representative has inspected those portions of the facility and finds them in compliance with the conditions of the permit; or

I.E.12b. The Director waives the inspection.

I.E.13 Transfer of Permits

This permit is not transferable to any person, except after notice to the Director. Under 40 CFR § 270.40, the Director may require permit modification, or revocation and reissuance to change the Permittee's name and incorporate other RCRA requirements. Before transferring ownership or operation of the facility during its operating life, you must notify the new owner or operator in writing of the requirements of 40 CFR Parts 264, 266, 268, and 270, and must provide a copy of the RCRA permit to the new owner or operator. (40 CFR §§ 264.12(c), 270.30(l)(3), and 270.40(a))

I.E.14 Twenty-Four Hour Reporting

I.E.14.a You must report to the Director any noncompliance with this permit that may endanger human health or the environment. Any such information must be promptly reported orally, but no later than 24 hours after you become aware of the circumstances.

I.E.14.b The report must include the following (40 CFR §§ 270.30(l)(6) and 270.33): (1) Information concerning release of any hazardous waste that may endanger public drinking water supplies; (2) Information of a release or discharge of hazardous waste; or (3) Information of a fire or explosion from the hazardous waste management facility, that could threaten the environment or human health outside the facility. You must include the following information:

(1) Name, title and telephone number of the person making the report;

(2) Name, address and telephone number of the facility owner or operator;

(3) Facility name, address and telephone number;

(4) Date, time and type of incident;

(5) Location and cause of incident;

(6) Identification and quantity of material(s) involved;

(7) Extent of injuries, if any;

(8) Assessment of actual or potential hazards to the environment and human health outside the facility, where applicable;

(9) Description of any emergency action taken to minimize the threat to human health and the environment; and

(10) Estimated quantity and disposition of recovered material that resulted from the incident.

I.E.14.c In addition to the oral notification required under Sections I.E.14.a and I.E.14.b of this permit, a written report must also be provided within 5 calendar days after you become aware of the circumstances. The written report must include, but is not limited to, the following:

(1) Name, address and telephone number of the person reporting;

(2) Incident description (noncompliance and/or release or discharge of hazardous waste), including cause, location, extent of injuries, if any, and an assessment of actual or potential hazards to the environment and human health outside the facility, where applicable;

(3) Period(s) in which the incident (noncompliance and/or release or discharge of hazardous waste) occurred, including exact dates and times;

(4) Whether the incident's results continue to threaten human health and the environment, which will depend on whether the noncompliance has been corrected and/or the release or discharge of hazardous waste has been adequately cleaned up; and

(5) If the noncompliance has not been corrected, the anticipated period for which it is expected to continue and the steps taken or planned to reduce, eliminate, and prevent the recurrence of the noncompliance.

The Director may waive the requirement that written notice be provided within 5 calendar days; however, you will then be required to submit a written report within 15 calendar days of the day on which you must provide oral notice, in accordance with Sections I.E.14.a and I.E.14.b of this permit. (40 CFR § 270.30(1)(6)) (40 CFR § 270.30(h))

I.E.15 Other Noncompliance

You must report all instances of noncompliance not reported under Section I.E.14 of this permit, when any other reports this permit requires are submitted. The reports must contain the information listed in Section I.E.14 of this permit.
(40 CFR § 270.30(l)(10))

I.E.16 Other Information

I.E.16.a Whenever you become aware that you failed to submit or otherwise omitted any relevant facts in the Part B Permit Renewal Application or other submittal, or submitted incorrect information in the Part B Permit Renewal Application or other submittal, you must promptly notify the Director of any incorrect information or previously omitted information, submit the correct facts or information, and explain in writing the circumstances of the incomplete or inaccurate submittal. (40 CFR § 270.30(l)(11)) (40 CFR § 270.30(h))

I.E.16.b All other requirements contained in 40 CFR § 270.30 not specifically described in this permit are incorporated into this permit and you must comply with all those requirements.

I.F SIGNATORY REQUIREMENT

You must sign and certify all applications, reports, or information this permit requires, or which are otherwise submitted to the Director, in accordance with 40 CFR § 270.11.
(40 CFR § 270.30(k))

I.G REPORTS, NOTIFICATIONS AND SUBMITTALS TO THE DIRECTOR

Except as otherwise specified in this permit, all reports, notifications, or other submittals that this permit requires to be sent or given to the Director should be sent by certified mail or express mail, or hand-delivered to the U.S. Environmental Protection Agency Region 5, RCRA Branch, at the following address:

RCRA Branch, DM-7J
Land and Chemicals Division
U.S. EPA Region 5
77 West Jackson Boulevard
Chicago, Illinois 60604

I.H CONFIDENTIAL INFORMATION

In accordance with 40 CFR Part 2, Subpart B, you may claim any information this permit requires, or otherwise submitted to the Director, as confidential. You must assert any such claim at the time of submittal in the manner prescribed on the application form or instructions or, in the case of other submittals, by stamping the words "Confidential Business Information" on each page containing such information. If you made no claim at the time of submittal, the Director may make the information available to the public without further notice. If you assert a claim, the information will be treated in accordance with the procedures in 40 CFR Part 2. (40 CFR § 270.12)

I.I DOCUMENTS TO BE MAINTAINED AT THE FACILITY

You must maintain at the facility, until closure is completed and certified by an independent registered professional engineer, the following documents and all amendments, revisions, and modifications to them.

I.I.1 Operating Record

You must maintain in the facility's operating record the documents required by this permit, and by the applicable portions of 40 CFR § 266.102, § 264.13, and § 264.73 (as they apply to the equipment used to comply with this permit).

I.I.2 Notifications

You must maintain notifications from generators that are required by 40 CFR § 268.7 to accompany an incoming shipment of hazardous wastes subject to 40 CFR Part 268, Subpart C, that specify treatment standards, as required by 40 CFR §§ 264.73, 268.7, and this permit.

I.I.3 Copy of Permit

You must keep a copy of this permit on site, and you must update it as necessary to incorporate any official permit modifications.

I.J ATTACHMENTS AND DOCUMENTS INCORPORATED BY REFERENCE

I.J.1 All attachments and documents that this permit requires to be submitted, if any, including all plans and schedules are, upon the Director's approval, incorporated into this permit by reference and become an enforceable part of this permit. Since required items are essential elements of this permit, failure to submit any of the required items or submission of inadequate or insufficient information may subject you to enforcement

action under Section 3008 of RCRA. This may include fines, or permit suspension or revocation.

I.J.2 This permit also includes the documents attached hereto, all documents cross-referenced in these documents, and the applicable regulations contained in 40 CFR Parts 124, 260, 261, 262, 264, 266, 268, and 270, and applicable provisions of RCRA, all of which are incorporated herein by reference.

I.J.3 Any inconsistency or deviation from the approved designs, plans and schedules is a permit noncompliance. The Director may grant written requests for extensions of due dates for submittals required in this permit.

I.J.4 If the Director determines that actions beyond those provided for, or changes to what is stated herein, are warranted, the Director may modify this permit according to procedures in Section I.B of this permit.

I.J.5 If any documents attached to this permit are found to conflict with any of the conditions in this permit, the condition will take precedence.

I.K COORDINATION WITH THE CLEAN AIR ACT

You must fully comply with all applicable Clean Air Act (CAA) and RCRA permit limits. Where two or more operating limitations apply, the most stringent operating limitations take precedence.

SECTION II— HAZARDOUS WASTE CODES

In addition to the hazardous waste numbers listed in the state-issued portion of the RCRA permit, you may handle the following newly listed hazardous waste, promulgated under the HSWA, at your facility. All handling of this waste must comply with the applicable provisions of both the State-issued portion and the federally-issued portion of the RCRA permit. Management of any hazardous waste not listed in the RCRA permit is prohibited except as provided in 40 CFR § 270.42(g) which describes the procedures for managing newly listed hazardous wastes.

Listed U.S. EPA Hazardous Waste Number	Description of Hazardous Waste
K181	Nonwastewaters from the production of dyes and/or pigments (including nonwastewaters commingled at the point of generation with nonwastewaters from other processes)

revocation and reissuance proceeding under § 124.5; and

(2) To the extent conditions of any new permit are stayed under this section, comply with the conditions of the existing permit which correspond to the stayed conditions, unless compliance with the existing conditions would be technologically incompatible with compliance with other conditions of the new permit which have not been stayed.

§ 124.17 Response to comments.

(a) *(Applicable to State programs, see §§ 123.25 (NPDES), 145.11 (UIC), 233.26 (404), and 271.14 (RCRA).)* At the time that any final permit decision is issued under § 124.15, the Director shall issue a response to comments. States are only required to issue a response to comments when a final permit is issued. This response shall:

(1) Specify which provisions, if any, of the draft permit have been changed in the final permit decision, and the reasons for the change; and

(2) Briefly describe and respond to all significant comments on the draft permit or the permit application (for section 404 permits only) raised during the public comment period, or during any hearing.

(b) For EPA-issued permits, any documents cited in the response to comments shall be included in the administrative record for the final permit decision as defined in § 124.18. If new points are raised or new material supplied during the public comment period, EPA may document its response to those matters by adding new materials to the administrative record.

(c) *(Applicable to State programs, see §§ 123.25 (NPDES), 145.11 (UIC), 233.26 (404), and 271.14 (RCRA).)* The response to comments shall be available to the public.

§ 124.18 Administrative record for final permit when EPA is the permitting authority.

(a) The Regional Administrator shall base final permit decisions under § 124.15 on the administrative record defined in this section.

(b) The administrative record for any final permit shall consist of the administrative record for the draft permit and:

(1) All comments received during the public comment period provided under § 124.10 (including any extension or reopening under § 124.14);

(2) The tape or transcript of any hearing(s) held under § 124.12;

(3) Any written materials submitted at such a hearing;

(4) The response to comments required by § 124.17 and any new material placed in the record under that section;

(5) For NPDES new source permits only, final environmental impact statement and any supplement to the final EIS;

(6) Other documents contained in the supporting file for the permit; and

(7) The final permit.

(c) The additional documents required under paragraph (b) of this section should be added to the record as soon as possible after their receipt or publication by the Agency. The record shall be complete on the date the final permit is issued.

(d) This section applies to all final RCRA, UIC, PSD, and NPDES permits when the draft permit was subject to the administrative record requirements of § 124.9 and to all NPDES permits when the draft permit was included in a public notice after October 12, 1979.

(e) Material readily available at the issuing Regional Office, or published materials which are generally available and which are included in the administrative record under the standards of this section or of § 124.17 ("Response to comments"), need not be physically included in the same file as the rest of the record as long as it is specifically referred to in the statement of basis or fact sheet or in the response to comments.

§ 124.19 Appeal of RCRA, UIC, and PSD permits.

(a) Within 30 days after a RCRA, UIC, or PSD final permit decision (or a decision under § 270.29 to deny a permit for the active life of a RCRA hazardous waste management facility or unit) has been issued under § 124.15, any person who filed comments on that draft permit or participated in the public hearing may petition the Environmental

Administrative Record Index
Michigan Disposal Waste Treatment Plant
Belleville, Michigan
MID 000 724 831

	Title	Date	Prepared by
1.	Part B Application	April 30, 2004	MDWTP
2.	Class 1 permit mod request (K-181)	August 1, 2005	MDWTP
3.	Part B NOD Response	September 2, 2005	MDWTP
4.	Part B NOD	December 14, 2005	MDEQ
5.	Part B NOD Response	January 27, 2006	MDWTP
6.	Class 2 Permit mod request (K-181)	February 17, 2006	MDWTP
7.	Class 1 mod approval (K-181)	March 7, 2006	U.S. EPA
8.	Class 2 Mod Approval (K-181)	May 11, 2006	U.S. EPA
9.	EJ Analysis	January 9, 2007	U.S. EPA
10.	Draft State RCRA Permit	May 2007	MDEQ
11.	Draft Federal RCRA Permit	May 2007	U.S. EPA

*** Above Documents are on file in the Waste Management Branch, U.S. EPA, Chicago, IL

EJ: Environmental Justice
MOD: Modification
NOD: Notice of Deficiency
MDWTP: Michigan Disposal Waste Treatment Plant
RCRA: Resource Conservation Resource Act
MDEQ: Michigan Department Environmental Quality
U.S. EPA: United States Environmental Protection Agency

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 5
77 WEST JACKSON BOULEVARD
CHICAGO, IL 60604-3590

August 10, 2007

REPLY TO THE ATTENTION OF:
DM-7J

Delores Montgomery, Acting Chief
Hazardous Waste Section
Waste and Hazardous Materials Division
Michigan Department of Environmental Quality
Constitution Hall, Atrium North
P.O. Box 30241
Lansing, Michigan 48909

Re: Final Federal RCRA Permit
Michigan Disposal Waste Treatment Plant
Belleville, Michigan
MID 000 724 831

Dear Ms. Montgomery:

Enclosed please find a copy of the final Federal Resource Conservation and Recovery Act Permit and cover letter to the above referenced facility.

If you have any questions, please contact Jae Lee of my staff at (312) 886-3781.

Sincerely,

Willie H. Harris

Willie H. Harris, P.E.
Chief, RCRA Branch
Land and Chemicals Division

Enclosure

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 5
77 WEST JACKSON BOULEVARD
CHICAGO, IL 60604-3590

August 10, 2007

REPLY TO THE ATTENTION OF:
DU-7J

Reference Desk Clerk
Van Buren Township Hall
46425 Tyler Road
Belleville, Michigan 48111

Re: Final Federal RCRA Permit
Michigan Disposal Waste Treatment Plant
Belleville, Michigan
MID 000 724 831

Dear Madam or Sir:

Enclosed is a copy of the final Federal Resource Conservation and Recovery Act (RCRA) permit for Michigan Disposal Waste Treatment Plant (MDWTP) located in Belleville, Michigan.

Unless review is requested under 40 CFR § 124.19, the Federal permit will become effective on the date which is indicated on the title page of the enclosed Federal RCRA permit. When this Federal permit is effective, MDWTP will have an effective Federal RCRA permit authorizing only those hazardous waste management activities specified in the Federal RCRA permit.

The public was given notice of the draft Federal RCRA permit on May 3, 2007. On that date, the public notice was announced in the *Belleville View and WEMU FM and WWJ* Radios. A copy of the draft Federal RCRA permit and factsheet was made available for review at the Fred C. Fischer Library, 167 Fourth Street, Belleville, Michigan and Van Buren Township Hall, 46425 Tyler Road, Belleville, Michigan. The public comment period extended from May 3 to June 22, 2007. A public hearing was conducted on June 6, 2007, 7:00 p.m. at the Belleville High School in the mini auditorium, 501 West Columbia, Belleville, Michigan.

There is no comment received for the Federal RCRA permit during the public comment period and at the public hearing.

Please make available for public examination this letter and the enclosed documents for at least seventy-five (75) days. The following items are enclosed;

-- Final Federal Permit;
-- 40 CFR § 264.19; and
-- Cover Letter to MDWTP

There is no need to return these documents.

Recycled/Recyclable • Printed with Vegetable Oil Based Inks on 100% Recycled Paper (50% Postconsumer)

The administrative record is on file in the RCRA Branch, U.S. EPA, Region 5, 8th floor, 77 West Jackson Boulevard, Chicago, Illinois, and may be inspected and copied at any time between 8:30 a.m. and 4:00 p.m., Monday through Friday, except for Federal holidays.

Thank you for your assistance. If you have any questions, please contact me at (312) 886-3781.

Sincerely,

Jae B. Lee, Permit Writer
RCRA Branch
Land and Chemicals Division

Enclosures

cc: Kimberly M. Tyson, MDEQ

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 5
77 WEST JACKSON BOULEVARD
CHICAGO, IL 60604-3590

August 10, 2007

REPLY TO THE ATTENTION OF:
DU-7J

Reference Desk Librarian
Fred C. Fischer Library
167 Fourth Street,
Belleville, Michigan 48111

Re: Final Federal RCRA Permit
Michigan Disposal Waste Treatment Plant
Belleville, Michigan
MID 000 724 831

Dear Madam or Sir:

Enclosed is a copy of the final Federal Resource Conservation and Recovery Act (RCRA) permit for Michigan Disposal Waste Treatment Plant (MDWTP) located in Belleville, Michigan.

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Please make available for public examination this letter and the enclosed documents for at least seventy-five (75) days. The following items are enclosed:

-- Final Federal Permit;
-- 40 CFR § 264.19; and
-- Cover Letter to MDWTP

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Thank you for your assistance. If you have any questions, please contact me at (312) 886-3781.

Sincerely,

Jae B. Lee, Permit Writer
RCRA Branch
Land and Chemicals Division

Enclosures

cc: Kimberly M. Tyson, MDEQ

Appendix 8.

MDWTP
Part 115 Permit

STATE OF MICHIGAN
DEPARTMENT OF ENVIRONMENTAL QUALITY
LANSING

RICK SNYDER
GOVERNOR

DAN WYANT
DIRECTOR

October 17, 2014

Mr. Kerry Durnen, Director of Operations
Michigan Disposal, Inc.
49350 North I-94 Service Drive
Belleville, Michigan 48111

Dear Mr. Durnen:

SUBJECT: Application for a Solid Waste Disposal Area License, Michigan Disposal, Inc., Michigan Disposal Waste Treatment Plant (MDWTP); Waste Data System Number 392708; License Number 9411

Staff of the Department of Environmental Quality (DEQ), Office of Waste Management and Radiological Protection (OWMRP), has reviewed your application for a license for MDWTP located in Van Buren Township, Wayne County, Michigan. This review was conducted under the provisions of Part 115, Solid Waste Management, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended.

Based upon our review of your application, your operating license is hereby granted. Enclosed is your license with operating stipulations.

Should you require further information, please contact Ms. Tracy Kecskemeti, Southeast Michigan District Supervisor, OWMRP, at 586-753-3840; kecskemetit@michigan.gov; or DEQ, 27700 Donald Court, Warren, Michigan 48092.

Sincerely,

Steven R. Sliver, Chief
Solid Waste Section
Office of Waste Management and
Radiological Protection
517-284-6595

Enclosure
cc: Wayne County Department of Public Services
Van Buren Township Clerk
Ms. Tracy Kecskemeti/Mr. Gregory Morrow, DEQ-Southeast Michigan
Facility File

Michigan Department of Environmental Quality
Office of Waste Management and Radiological Protection

SOLID WASTE DISPOSAL AREA OPERATING LICENSE

This license is issued under the provisions of Part 115, Solid Waste Management of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended, MCL 324.11501 et seq., and authorizes the operation of this solid waste disposal area (Facility) in the state of Michigan. This license does not obviate the need to obtain other authorizations as may be required by state law.

FACILITY NAME: Michigan Disposal Waste Treatment Plant (MDWTP)

LICENSEE/OPERATOR: Michigan Disposal, Inc.

FACILITY OWNER: Michigan Disposal, Inc.

PROPERTY OWNER: Wayne Disposal, Inc.

FACILITY TYPE(S): Solid Waste Transfer Facility and Processing Plant

FACILITY ID NUMBER: 392708

COUNTY: Wayne

LICENSE NUMBER: 9411

ISSUE DATE: October 17, 2014

EXPIRATION DATE: October 17, 2019

FACILITY DESCRIPTION: The Michigan Disposal Waste Treatment Plant, a solid waste transfer facility and processing plant, consists of 7.66 acres located at 49350 North I-94 Service Drive in the southwest quarter of Section 17, Township 3 South, Range 8 East, Van Buren Township, Wayne County, Michigan, as identified in Attachment A and fully described in this license.

AREA AUTHORIZED FOR DISPOSAL OF SOLID WASTE: As identified in Attachment A and the documents referenced in Item 5 of this license.

RESPONSIBLE PARTY: Mr. Kerry Durnen, Director of Operations
Michigan Disposal, Inc.
49350 North I-94 Service Drive
Belleville, Michigan 48111
734-699-6265

RENEWAL OPERATING LICENSE: This License Number 9411 supersedes and replaces Solid Waste Disposal Area License Number 9223 issued to Michigan Disposal, Inc., on August 6, 2009.

This license is subject to revocation by the Director of the Michigan Department of Environmental Quality (Director) if the Director finds that this Facility is not being constructed or operated in accordance with the approved plans, the conditions of a permit or license, Part 115, or the rules promulgated under Part 115. Failure to comply with the terms and provisions of this license may result in legal action leading to civil and/or criminal penalties pursuant to Part 115. This license shall be available through the licensee during its term and remains the property of the Director.

THIS LICENSE IS NOT TRANSFERABLE.

Steven R. Sliver, Chief, Solid Waste Section
Office of Waste Management and Radiological Protection

Licensee: Michigan Disposal, Inc.
Facility Name: Michigan Disposal Waste Treatment Plant (MDWTP)
Operating License Number: 9411
Issue Date: October 17, 2014

The licensee shall comply with all terms of this license and the provisions of Part 115 and its administrative rules. This license includes the license application and any attachments to this license.

1. The licensee shall operate the Facility in a manner that will prevent violations of any state or federal law.

2. The attached map (Attachment A) shows the Facility, the area permitted for construction and/or placement and acceptance of waste, and the following, if applicable: monitoring points, leachate storage units, site roads, other disposal areas, and related appurtenances.

3. Issuance of this license is conditioned on the accuracy of the information submitted by the Operator/Applicant in the Application for License to Operate a Solid Waste Disposal Area (Application) received by the Michigan Department of Environmental Quality (MDEQ) on August 4, 2014, and any subsequent amendments. Any material or intentional inaccuracies found in that information is grounds for the revocation or modification of this license, and may be grounds for enforcement action. The licensee shall inform the MDEQ's, Office of Waste Management and Radiological Protection (OWMRP), Southeast Michigan District Supervisor, of any inaccuracies in the information in the Application upon discovery.

4. This license is issued based on the MDEQ's review of the Application, submitted by Michigan Disposal, Inc., for the Michigan Disposal Waste Treatment Plant, dated August 1, 2014. The Application consists of the following:

   a. Application Form EQP 5507.

   b. Application fee in the amount of $500.00.

   c. Certification of construction by NA.

   d. Financial Assurance.

      Financial Assurance Required:

      The amount of financial assurance required for this Facility was calculated based on the requirements of Section 11523(1)(c), is indicated on the form EQP 5507A entitled, "Form A Financial Assurance Required," and is $16,500.00.

      The Facility has provided financial assurance totaling $16,500.00, based on the requirements of Section 11523 of Part 115. The financial assurance mechanism used by the Facility is summarized below.

      The following financial assurance has been received from the licensee to meet the amount of financial assurance required:

Surety Bond	$16,500.00
Total Amount Received:	$16,500.00

5. This previously "grandfathered" facility did not have a construction permit, but the following documents are incorporated in this license by reference:

   a. Engineering Plans dated October 27, 1981.

   b. Engineering Plans dated March 30, 1990.

   c. Engineering Plans received by the MDEQ on March 18, 1992.

   d. Waste Solidification Operation Site Plan dated January 30, 1995.

   e. Engineering Plan dated July 23, 1999.

f. As-built drawings for the enclosure of the North Container Storage Area dated March 3, 2004 (Drawing S-5), June 3, 2002 (Drawings S-19 through S-23), and June 6, 2001 (Drawing S-24) and received by the MDEQ on March 10, 2004.

6. The following additional documents, approved since the issuance of the construction permit(s) referenced in Item 5, are incorporated in this license by reference: N/A.

7. Consent Order/Judgment Number: N/A.

8. The licensee shall conduct hydrogeological monitoring in accordance with the approved hydrogeological monitoring plan, dated NA. The sampling analytical results shall be submitted to the MDEQ's, OWMRP, Southeast Michigan District Office.

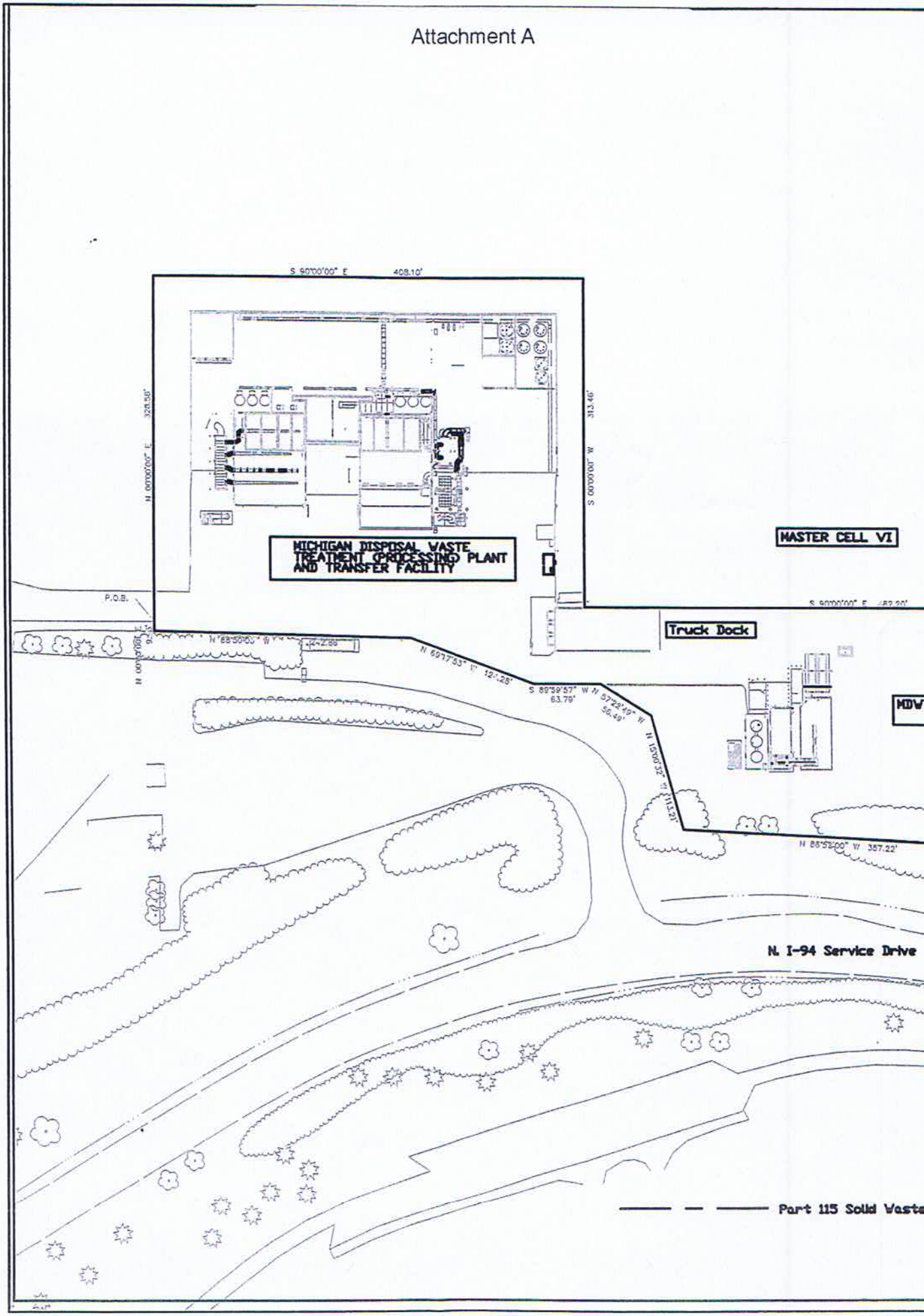
9. Modifications to approved engineering plans that constitute an upgrading, as defined in R 299.4106a(e), may be approved, in writing, by the OWMRP, Southeast Michigan District Supervisor.

10. **SPECIAL CONDITIONS**: At the time of issuance of this license, the applicant is not required to conduct groundwater monitoring under Part 115 for the solid waste processing operations at the Facility based on the fact that all solid waste processing operations are conducted in an enclosed building with a properly sloped/contained concrete floor and the fact that the Facility is located within a larger parcel of land that includes a solid waste/hazardous waste landfill that is required to have a groundwater monitoring program.

11. **TERM**: This license shall remain in effect until its expiration date, unless revoked or continued in effect, as provided by the Administrative Procedures Act, 1969 PA 306, as amended, or unless superseded by the issuance of a subsequent license.

END OF LICENSE

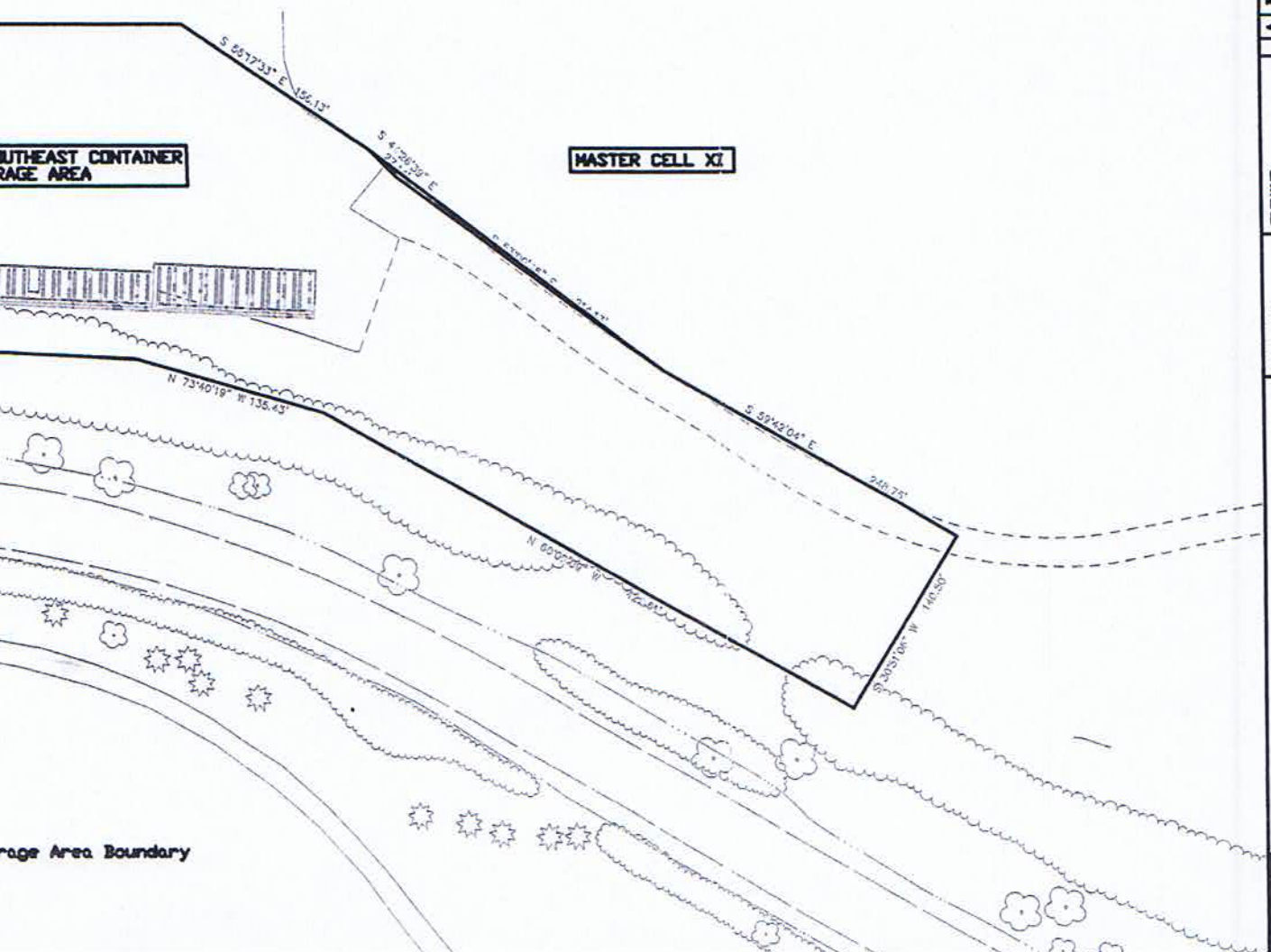
Attachment A



PERMITTED AREA USED AS SOLID WASTE STORAGE
UNDER MDWTP'S PART 115 SOLID WASTE LICENSE
A 7.66 ACRE PARCEL OF LAND
LOCATED IN THE SW ¼ OF SECTION 17, T3S, R8E
VAN BUREN TOWNSHIP, WAYNE COUNTY, MICHIGAN

Commencing at the SW corner of Section 17, T3S, R8E, Van Buren Township, Wayne County, Michigan, thence N 00°04'28" W 1194.90 feet along the West line of said Section 17, thence N 90°00'00" E447.14 feet to the POINT OF BEGINNING,

thence continuing N 90°00'00" E 328.58 feet;
thence N 00°00'00" E 240.50 feet;
thence S 90°00'00" E 408.10 feet;
thence S 00°00'00" W 313.46 feet;
thence N 90°00'00" E 507.30 feet;
thence S 90°00'00" E 482.20 feet;
thence S 56°27'33" W 156.13 feet;
thence S 44°26'39" E 27.14 feet;
thence S 53°00'46" E 214.13 feet;
thence S 59°42'04" E 310.82 feet;
thence S 30°51'06" W 140.01 feet;
thence N 60°09'09" W 484.68 feet;
thence N 73°40'19" W 35.43 feet;
thence N 86°52'00" W 357.22 feet;
thence N 15°00'32" W 113.21 feet;
thence N 57°22'49" W 56.49 feet;
thence S 89°59'57" E 63.79 feet;
thence N 69°17'53" W 124.28 feet;
thence N 88°50'05" W 242.86 feet;
thence N 00°00'00" W 9.25 feet to the POINT OF BEGINNING. Being a part of the SW ¼ of said Section 17. T3S, R8E, and containing 7.66 acres of land, more or less.



A USEcology Company

REVISIONS				
A	3/29/00	Updated for TSU and Trench Deck		
B	7/20/14	Updated for Consolidated TSU		
C				
D				
E				

FILENAME: R11 Solid Waste
SCALE: 1"=60'-0"
DRW BY: CAS
PROJ. FILE: MDI
DATE: 8/30/01
SHEET ___ OF ___

Michigan Disposal Inc.
TRANSFER FACILITY & STORAGE AREAS
PART 115 SOLID WASTE STORAGE AREA 2014

R11

Appendix 9.

Air Permit

RICK SNYDER
GOVERNOR

STATE OF MICHIGAN
DEPARTMENT OF ENVIRONMENTAL QUALITY
DETROIT

DAN WYANT
DIRECTOR

January 27, 2015

Mr. Kerry Durnen
EQ - A US Ecology Company
36255 Michigan Avenue
Wayne, MI 48184

SRN: M4782, Wayne County

Dear Mr. Durnen:

On December 26, 2014, the Department of Environmental Quality (DEQ), Air Quality Division (AQD), received the renewal application for Renewable Operating Permit No. MI-ROP-M4782-2010a for EQ - A US Ecology Company located at 49350 I-94 Service Drive in Belleville, Michigan. The AQD staff has reviewed the application and has determined the application is administratively complete, as defined by Section 5507 of Part 55, Air Pollution Control, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended (Act 451).

The application was received by this office before the submittal deadline pursuant to Rule 210(8) of Act 451. As a result, this facility has obtained an application shield and in accordance with Rule 217(1)(a) of Act 451, the existing renewable operating permit shall not expire until the renewal permit has been issued or denied.

The AQD may require additional information as the technical portions of the application are reviewed. Please contact Ms. Nazaret Sandoval at 313 456-4680 if you have any questions regarding this permit, or you may contact me at the number listed below.

Sincerely,

Jeff Korniski
Detroit Assistant District Supervisor
Air Quality Division
313 456 4681

cc: Ms. Sylwia Chrostowski, EQ
Ms. Nazaret Sandoval, DEQ

Michigan Department of Environmental Quality
Air Quality Division

EFFECTIVE DATE: September 1, 2010
REVISION DATE: August 27, 2013
ISSUED TO

EQ - The Environmental Quality Company (Michigan Disposal Waste Treatment Plant), Wayne Energy Recovery, Inc. Partnership (Wayne Energy Recovery, Inc.), and Wayne Disposal, Inc. (Site 1, Site 2, Old Wayne, and Fons Landfills)

State Registration Number (SRN): M4782

LOCATED AT

49350 I-94 Service Drive, Belleville, Michigan 48111

RENEWABLE OPERATING PERMIT

Permit Number: MI-ROP-M4782-2010a

Expiration Date: September 1, 2015

Administratively Complete ROP Renewal Application Due Between March 1, 2014 and March 1, 2015

This Renewable Operating Permit (ROP) is issued in accordance with and subject to Section 5506(3) of Article II, Chapter 1, Part 55, Air Pollution Control, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended. Pursuant to Michigan Air Pollution Control Rule 210(1), this ROP constitutes the permittee's authority to operate the stationary source identified above in accordance with the general conditions, special conditions and attachments contained herein. Operation of the stationary source and all emission units listed in the permit are subject to all applicable future or amended rules and regulations pursuant to PA 451 and the federal Clean Air Act.

SOURCE-WIDE PERMIT TO INSTALL

Permit Number: MI-PTI-M4782-2010a

This Permit to Install (PTI) is issued in accordance with and subject to Section 5505(5) of Article II, Chapter 1, Part 55, Air Pollution Control, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended. Pursuant to Michigan Air Pollution Control Rule 214a, the terms and conditions herein, identified by the underlying applicable requirement citation of Rule 201(1)(a), constitute a federally enforceable PTI. The PTI terms and conditions do not expire and remain in effect unless the criteria of Rule 201(6) are met. Operation of all emission units identified in the PTI is subject to all applicable future or amended rules and regulations pursuant to PA 451 and the federal Clean Air Act.

Michigan Department of Environmental Quality

_____
Wilhemina McLemore, Detroit District Supervisor

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Appendix 10.

Environmental Monitoring Parameters

Ambient Air Monitoring Program

MDWTP and WDI monitor ambient air quality at six locations, plus a QA/QC stations, around the perimeter of the site. High volume particulate samplers are located at each location. The high volume and organic samplers are operated every 6th day for a 24-hour period. Samples are analyzed for the following:

Cadmium
Chromium
Lead

Samples collected from the organic samplers are analyzed for the following:

Chloroform
Methylene Chloride
1,1,1 – Trichloroethene
Ethylbenzene
1,4 Dichorobenzene
Trichloroethene
Carbon Tetrachloride
Tetrachloroethene
Benzene
Toluene
Total Xylenes
Total PCBs

All data collected is reported to the
Michigan Department of Environmental Quality - Air Quality Management Division.

Sedimentation Basin Monitoring Parameters

Each year the sedimentation basin is sampled. Results are sent to the MDEQ.
Six samples are taken from the basin and tested for the following * parameters.
A composite sample is created from the six grab samples and analyzed for the remaining parameters.

Organic Parameters

1,1,1-Trichloroethane
1,1,2,2-Tetrachloroethane
1,1,2-Trichloroethene
1,1-Dichloroethane*
1,1-Dichloroethene
1,2-Dichlorobenzene*
1,2-Dichloroethane
1,2-Dichloropropane
1,3-Dichlorobenzene
1,4-Dichlorobenzene
2-Chloroethylvinyl Ether
Benzene
Bromodichloromethane
Bromoform
Bromomethane
Carbon Tetrachloride
Chlorobenzene
Chloroethane
Chloroform
Chloromethane
cis 1,3-dichloropropene
Dibromochloromethane
Ethylbenzene*
Methylene Chloride
PCB-1016
PCB-1221
PCB-1232
PCB-1242
PCB-1248
PCB-1254
PCB-1260
Tetrachloroethene
Toluene*
Total Phenolics*
Total Xylene
trans 1,2-Dichloroethene
trans 1,3-Dichloropropene
Trichloroethene
Trichlorofluoromethane
Vinyl Chloride

Inorganic Parameters

Arsenic*
Barium*
Cadmium*
Calcium*
Chromium, Total*
Chromium, Hexavalent*
Cyanide, Total*
Cyanide, Amenable*
Iron*
Lead*
Mercury*
Selenium*
Silver*
Zinc*

Conventional Parameters

pH
Specific Conductivity

Surface Water Monitoring Program

Wayne Disposal, Inc. Site #2 Landfill quarterly samples surface water at three locations at the facility.

Organic Parameters

1,1,1-Trichloroethane	Bromomethane	PCB-1221
1,1,2,2-Tetrachloroethane	Carbon Tetrachloride	PCB-1232
1,1,2-Trichloroethene	Carbonate	PCB-1242
1,1-Dichloroethane	Chloride	PCB-1248
1,1-Dichloroethene	Chlorobenzene	PCB-1254
1,2-Dichlorobenzene	Chloroethane	PCB-1260
1,2-Dichloroethane	Chloroform	Total Phenolics
1,2-Dichloropropane	Chloromethane	Tetrachloroethene
1,3-Dichlorobenzene	cis 1,3-dichloropropene	Toluene
1,4-Dichlorobenzene	Dibromochloromethane	trans 1,2-Dichloroethene
2-Chloroethylvinyl Ether	Ethylbenzene	trans 1,3-Dichloropropene
Benzene	Methylene Chloride	Trichloroethene
Bromodichloromethane	Nitrate	Trichlorofluoromethane
Bromoform	PCB-1016	Vinyl Chloride

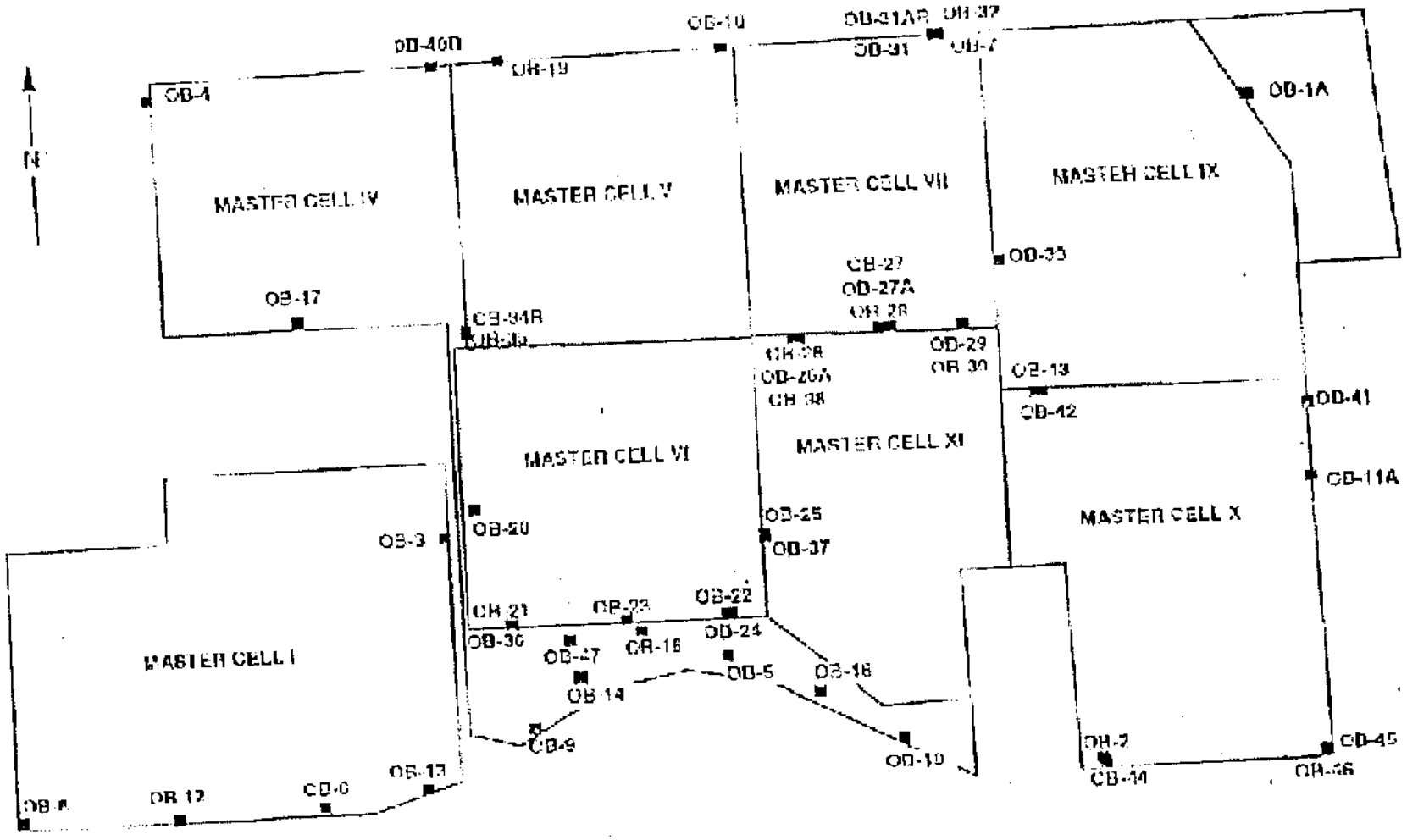
Inorganic Parameters

Arsenic	Iron	
Barium	Magnesium	
Bicarbonate	Manganese	
Cadmium	Mercury	Conventional Parameters
Calcium	Nitrate	Alkalinity, Total
Carbonate	Selenium	Fecal Colliform
Chloride	Silver	pH
Chromium, Hexavalent	Sodium	Specific Conductance
Chromium, Total	Sulfate	Total Suspended Solids (4 mg/L)
Cyanide, Amenable	Zinc	
Cyanide, Total		

Groundwater Monitoring Program

Organic Parameters	Inorganic Parameters	Conventional Parameters
1,2-Dichlorobenzene	Arsenic	Alkalinity as CA CO3
1,1-Dichloroethane	Barium	pH
1,2-Dichloroethane	Bicarbonate	Specific Conductivity
1,2-Dichloroethene	Cadmium	Temperature
1,1,1-Trichloroethane	Calcium	
2,4-D	Carbonate	
Benzene	Chloride	
Endrin	Chromium, Total	
Ethylbenzene	Copper	
Methoxychlor	Cyanide, Total	
Methylene Chloride	Fluoride	
PCB-1016	Iron	
PCB-1221	Lead	
PCB-1232	Magnesium	
PCB-1242	Manganese	
PCB-1248	Mercury	
PCB-1254	Molybolenum	
PCB-1260	Nickel	
Toluene	Nitrate	
Total Organic Carbon	Nitrite	
Total Phenolics	Potassium	
Toxaphene	Selenium	
Trichloroethene	Silver	
Vinyl Choride	Silvex	
Xylene	Sodium	
	Sulfate	
	Zinc	

Monitoring Well Location Plan



Appendix 11.

Waste Characterization Report

Profile Tracking # _____

WASTE PROFILE FORM

For assistance in completing this document or for additional information on service offerings, please visit our website at www.usecology.com, or call 800-592-5489.

US Ecology will choose the appropriate facility and method of waste management for your waste from the technologies offered at each operation.

If you wish to direct this waste to a specific facility(s) or treatment technology please indicate here:

Waste Common Name:

Section 1 – Generator & Customer Information

Generator EPA ID #

NAICS/SIC Code

Generator

Facility Address

City State Zip

24-hour Emergency Response Number

Mailing Address

City State Zip

Generator Contact

Title

Phone Fax

E-mail

Internal Use Only: EQ Division

EQ Customer No.

Invoicing Company

Address

City State Zip

Country

Invoicing Contact

Phone Fax

Technical Contact

Phone Fax

Cell Phone

E-mail

Section 2 – Shipping & Packaging Information

2.1) Shipping Volume & Frequency:

a) Volume of Waste to be Shipped:

b) Frequency: ☐ One time ☐ Month ☐ Year ☐ Other:

2.2) DOT Information

a) Is this a U.S. Department of Transportation (USDOT) Hazardous Material? ☐ Yes ☐ No

b) If "Yes", indicate the proper shipping name per 49CFR 172.101 Hazardous Materials Table:

Section 3 – Special Properties

3.1) Color

3.2) Odor ☐ None ☐ Ammonia ☐ Amines ☐ Mercaptans ☐ Sulfur ☐ Organic Acid ☐ Amines/Ammonia ☐ Other:

3.3) Consistency at 70^0F: ☐ Solid ☐ Dust/Powder ☐ Debris ☐ Sludge ☐ Liquid ☐ Gas/Aerosol ☐ Varies

3.4) What is the pH? ☐ ≤2 ☐ 2.1-4.9 ☐ 5 – 10 ☐ 10.1 – 12.4 ☐ ≥12.5 ☐ N/A

3.5) What is the flash point? ☐ <90^0F ☐ 90-139^0F ☐ 140-199^0F ☐ >200^0F ☐ N/A

3.6) Does this waste exhibit any of the following properties? **(check all that apply)**

☐ **None**	☐ Free Liquids	☐ Metal Fines	☐ Water Reactive	☐ Biohazard
☐ Shock Sensitive	☐ Oily Residue	☐ Dioxins	☐ Furans	☐ Aluminum
☐ Asbestos – non-friable	☐ Asbestos – friable	☐ Other Radioactive	☐ Air Reactive	☐ Isocyanates
☐ Biodegradable Sorbents	☐ Pyrophoric	☐ Reactive Sulfide	☐ Reactive Cyanide	☐ Explosives
☐ Temperature Controlled Organic Peroxide		☐ NORM	☐ TENORM	

Section 4 – Composition and Generating Process

4.1) Provide a physical and chemical composition of the waste (e.g. soil, water, PPE, debris, etc.). List the percent ranges of the material, either estimated or known.

to	%	to	%
to	%	to	%
to	%	to	%

4.2) Provide a description of the generating process. *Remediation & IDW Sites: please provide a site history.*

4.3) Are there any known previous handling or treatment issues involving this waste? ☐ Yes* ☐ No
*If yes, describe:

Section 5 – Hazardous Wastes

As determined by 40 CFR, Part 261 and State Rules: **Please list applicable waste code(s):**

5.1) Is this waste exempted from RCRA? ☐ Yes, please provide exemption: ☐ No

5.2) Is this an EPA RCRA listed hazardous waste (F, K, P or U)? ☐ Yes: ☐ No
a) For F006–F009, F012, does this come from a generator that conducts a cyanide plating process? ☐Yes ☐No

5.3) Is this an EPA RCRA characteristic hazardous waste (D001-D043)? ☐ Yes: ☐ No

5.4) Do any State Specific Hazardous Waste Codes apply? ☐ Yes: ☐ No

If you answered 'no' to 5.2, 5.3 and 5.4, please proceed to Section 6.

5.5) EPA Source Code: EPA Form Code:

5.6) Waste Code Determination Is Based On: ☐ Generator Knowledge ☐ Analysis ☐ MSDS
Analysis and/or MSDS may be required for review and approval for hazardous and non-hazardous waste streams.

5.7) Does this waste exceed Land Disposal Restriction levels? ☐ Yes ☐ No

a) Is this stream a wastewater (WW) or non-wastewater (NWW)? ☐ WW ☐ NWW
b) If this waste stream is greater than 50% soil, does it meet the alternative soil treatment standards of 40CFR 268.49? ☐ Yes ☐ No
c) Does this waste contain greater than 50% debris, by volume? (Debris is greater than 2.5 inches in size.) ☐ Yes ☐ No
d) If the debris is larger than 3 ft x 3 ft x 3 ft, please provide the approximate dimensions and weight:

5.8) If this is a characteristic hazardous waste, does it contain Underlying Hazardous Constituents? ☐ Yes* ☐ No

*If Yes, please list:

For a complete list of UHC constituents, please refer to 40 CFR 268.48

Section 6 – Non-Hazardous Wastes

Please list applicable waste code(s):

6.1) Do any State Specific Non-Hazardous Waste Codes apply? ☐ Yes ☐ No

6.2) Is this a Universal (UNIV) waste or a Recyclable Good (RG)? ☐ UNIV ☐ RG ☐ N/A

6.3) Is this waste used oil as defined by 40 CFR Part 279? ☐ Yes ☐ No

a) If yes, is the total halogen content of the used oil waste stream greater than 1,000 ppm? ☐ Yes ☐ No

b) If yes, what is the source of the halogen content?

- ☐ This is a metalworking oil/fluid containing chlorinated paraffins.
- ☐ This is used oil contaminated with chlorofluorocarbons from refrigeration units.
- ☐ This oil contains halogenated solvents. List specific solvents:
- ☐ Other, describe:

Section 7 – TSCA Information

7.1) What is the concentration of PCBs in the waste? ☐ None ☐ 0-49 ppm ☐ 50-499 ppm ☐ 500+ ppm

7.2) Does the waste contain PCB contamination from a source with a concentration ≥ 50 ppm? ☐ Yes ☐ No ☐ Unknown

If you answered "none" or "0-49 ppm"' to 7.1 and "no" to 7.2, please proceed to Section 8.

7.3) Has this waste been processed into a non-liquid form? ☐ Yes* ☐ No

*If yes, what was the concentration of PCBs prior to processing? ☐ 0-499 ppm ☐ 500+ ppm

7.4) Is this non-liquid PCB waste in the form of soil, rags, debris, or other contaminated media? ☐ Yes ☐ No

7.5) Are you a PCB capacitor manufacturer or a PCB equipment manufacturer? ☐ Yes ☐ No

7.6) Has the PCB Article (e.g., transformer, hydraulic machine, PCB-contaminated electrical equipment) been drained/flushed of all PCBs and decontaminated in accordance with 40 CFR 761.60(b)? ☐ N/A ☐ Yes ☐ No

Section 8 – Clean Air Act Information

8.1) Is this waste subject to regulation under 40 CFR, Part 264, Subpart CC (VOC > 500 ppmw)? ☐ Yes ☐ No

8.2) Is this waste subject to regulation under 40 CFR, Part 63, Subpart DD (VOHAP > 500 ppmw)? ☐ Yes ☐ No

8.3) Is the site, or waste, subject to any other NESHAP/MACT standard(s)? ☐ Yes* ☐ No

*If Yes this document serves as notification that this waste contains chemicals , required to be managed in accordance with Part ☐ 61 ☐ 62 ☐ 63 Subpart of NESHAP/MACT standards.

8.4) Does this waste stream contain Benzene? ☐ Yes ☐ No

If you answered "no" to 8.4, please proceed to Section 9.

8.5) Does the waste stream come from a facility subject to 40 CFR 61, Subpart FF (Benzene NESHAP)?

☐ Yes, please provide the SIC/NAICS code: ☐ No

If you answered "no" to questions 8.5, please proceed to Section 9.

8.6) Does your facility manage the waste subject to Benzene NESHAP in a manner other than shipping off-site?

☐ Yes, please specify: ☐ No

8.7) Is the generating source of this waste a facility with Total Annual Benzene (TAB) ≥10 Mg/year? ☐ Yes ☐ No

8.8) Does the waste contain >10% water? ☐ Yes ☐ No

8.9) What is the TAB quantity for your facility? Mg/Year

8.10) What is the total Benzene concentration in your waste? Percent or ppmw.

Supporting analysis must be attached. Do not use TCLP analytical results. Acceptable laboratory methods include 8020, 8240, 8260, 602 and 624.

Section 9 – Certification

I certify that all information (including attachments) is complete and factual and is an accurate representation of the known and suspected hazards, pertaining to the waste described herein. I authorize EQ's personnel to add supplemental information to the waste approval file, provided I am contacted and give verbal permission. I authorize EQ's personnel to obtain a sample from any waste shipment for purposes of verification and confirmation. I agree that, if EQ approves the waste described herein, all such wastes that are transported, delivered, or tendered to EQ by Generator or on Generator's behalf shall be subject to, and Generator shall be bound by, the attached Standard Terms and Conditions.

If I am an agent acting on behalf of the generator, I also certify that I have permission to sign any and all waste characterization paperwork on the generator's behalf and that I can produce such certification in writing upon request.

Generator Signature _____ Printed Name _____

Company _____ Title _____ Date _____

STANDARD TERMS AND CONDITIONS

The Agreement between the Customer and EQ – The Environmental Quality Company and/or its member companies (hereinafter "EQ") related to or associated with Delivered Waste, as herein defined, shall be governed by the following Standard Terms and Conditions in addition to the terms and conditions contained in any Waste Profile Form, Customer Approval Quote Confirmation, Generator Approval Notification, Notice of Waste Approval Expiration, and/or Credit Agreement associated with such Delivered Waste.

The Customer may use its standard forms (such as purchase orders, acknowledgments of orders, and invoices) to administer its dealings under this Agreement for convenience purposes, but all provisions thereof in conflict with these terms and conditions shall be deemed stricken.

Definitions

The following definitions shall apply for purposes of this Agreement:

"**Acceptable Waste"** shall mean any hazardous waste, as defined under applicable State or federal law, determined by EQ as acceptable for treatment and/or disposal in accordance with this Agreement.

"**Delivered Wastes"** shall mean all wastes (i) which are transported, delivered, or tendered to EQ by the Customer; (ii) which the Customer has arranged for the transport, delivery or tender to EQ; or (iii)) which are transported, delivered, or tendered to EQ under a Credit Agreement between the Customer and EQ.

"Non-Conforming Wastes" shall mean wastes that (a) are not in accordance in all material respects with the warranties, descriptions, specifications or limitations stated in the Waste Profile Form and this Agreement; (b) have constituents or components of a type or concentration not specifically identified in the Waste Profile Form (i) which increase the nature or extent of the hazard and risk undertaken by EQ in treating and/or disposing of the waste, or (ii) for whose treatment and/or disposal a Waste Management Facility is not designed or permitted, or (iii) which increase the cost of treatment and/or disposal of waste beyond that specified in EQ's price quote; or (c) are not properly packaged, labeled, described, or placarded, or otherwise not in compliance with United States Department of Transportation and United States Environmental Protection Agency regulations.

Control of Operations.

EQ shall have sole control over all aspects of the operation of any treatment and/or disposal facility of EQ receiving Delivered Wastes under this Agreement (hereinafter, "Waste Management Facility"), including, without limitation, maintaining EQ's desired volume of Acceptable Wastes being delivered to any Waste Management Facility by the Customer or any other person or entity.

Identification of Waste.

For each waste material to be transported, delivered, or tendered to EQ under this Agreement, the Customer shall provide, or cause to be provided, to EQ a representative sample of the waste material and a completed Waste Profile Form containing a physical and chemical description or analysis of such waste material, which description shall conform with any and all guidelines for waste acceptance provided by EQ. On the basis of EQ's analysis of such representative sample of the waste material and such Waste Profile Form, EQ will determine whether such wastes are Acceptable Wastes. EQ does not make any guarantee that it will handle any waste material or any particular quantity or type of waste material, and EQ reserves the right to the decline to transport, treat and/or dispose of waste material. The Customer shall promptly furnish to EQ any information regarding known, suspected or planned changes in the composition of the waste material. Further, the Customer shall promptly inform EQ of any change in the characteristic or condition of the waste material which becomes known to the Customer subsequent to the date of the Waste Profile Form.

Non-Conforming Wastes.

In the event that EQ at any time discovers that any Delivered Waste is Non-Conforming Waste, EQ may reject or revoke its acceptance of the Non-Conforming Waste. The Customer shall have seven (7) days to direct an alternative lawful manner of disposition of the waste, unless it is necessary by reason of law or otherwise to move the Non-Conforming Waste prior to expiration of the seven (7) day period. If the Customer does not direct an alternative disposal, at its option, EQ may return any such Non-Conforming Wastes to the Customer, and the Customer shall pay or reimburse EQ for all costs and expenses incurred by EQ in connection with the receipt, handling, sampling, analyses, transportation and return to the Customer of such Non-Conforming Wastes. If it is impossible or impractical for EQ to return the Non-Conforming Waste to the Customer, the Customer shall reimburse EQ for all costs, of any type or nature whatsoever, incurred by EQ, solely because such Delivered Waste was Non-Conforming Waste (including, but not limited to, all costs associated with any remedial steps necessary, due to the nature of the Non-Conforming Waste, in connection with material with which the Non-Conforming Waste may have been commingled and all expenses and charges for analyzing, handling, locating, preparing for transporting, storing and disposing of any Non-Conforming Waste).

Customer Warranty - Acceptable Wastes.

All Delivered Wastes shall be Acceptable Wastes and shall conform in all material respects to the description and specifications contained in the Waste Profile Form. The information set forth in the Waste Profile Form or any manifest, placard or label associated with any Delivered Wastes, or otherwise represented by the Customer or the generator (if other than the Customer) to EQ, is and shall be true, accurate and complete as of the date of receipt of the involved waste by EQ.

Customer Warranty - Title to Wastes.

Either the Customer or the generator (if other than the Customer) shall hold clear title, free of any all liens, claims, encumbrances, and charges to Delivered Waste until such waste is accepted by EQ.

Customer Warranty - Compliance with Laws.

The Customer shall comply with all applicable federal, state and local environmental statutes, regulations, and other governmental requirements, as well as directives issued by EQ from time to time, governing the transportation, treatment and/or disposal of Acceptable Wastes, including, but not limited to, all packaging, manifesting, containerization, placarding and labeling requirements.

Customer Warranty - Updating Information.

If the Customer receives information that Delivered Waste or other hazardous waste described in the Waste Profile Form, or some component of such waste, presents or may present a hazard or risk to persons, property or the environment which was not disclosed to EQ, or if the Customer or generator (if other than the Customer) has changed the process by which such waste results, the Customer shall promptly report such information to EQ in writing.

Customer Indemnity.

The Customer shall indemnify, defend and hold harmless EQ, and its affiliated or related companies, and all of their respective present or future officers, directors, shareholders, employees and agents from and against any and all losses, damages, liabilities, penalties, fines, forfeitures, demands, claims, causes of action, suits, costs and expenses (including, but not limited to, reasonable costs of defense, settlement, and reasonable attorneys' fees), which may be asserted against any or all of them by any person or any governmental agency, or which any or all of them may hereafter suffer, incur, be responsible for or pay out, as a result of or in connection with bodily injuries (including, but not limited to, death, sickness, disease and emotional or mental distress) to any person (including EQ's employees), damage (including, but not limited to, loss of use) to any property (public or private), or any requirements to conduct or incur expense for investigative, removal or remedial expenses in connection with contamination of or adverse effect on the environment, or any violation or alleged violation of any statues, ordinances, orders, rules or regulations of any governmental entity or agency, caused or arising out of (i) a breach of this Agreement by the Customer, (ii) the failure of any warranty of the Customer to be true, accurate and complete, or (iii) any willful or negligent act or omission of the Customer, or its employees or agents in connection with the performance of this Agreement.

Force Majeure

EQ shall not be liable for any failure to accept, receive, handle, treat, and/or dispose of Delivered Waste due to an act of God, fire, casualty, flood, war, strike, lockout, labor trouble, failure of public utilities, equipment failure, facility shutdown, injunction, accident, epidemic, riot, insurrection, destruction of operation or transportation facilities, the inability to procure materials, equipment, or sufficient personnel or energy in order to meet operational needs without the necessity of allocation, the failure or inability to obtain any governmental approvals or to meet Environmental Requirements (including, but not limited to voluntary or involuntary compliance with any act, exercise, assertion, or requirement of any governmental authority) which may temporarily or permanently prohibit operations of EQ, the Customer, or the Generator, or any other circumstances beyond the control of EQ which prevents or delays performance of any of its obligations under this Agreement.

Governing Laws

This Agreement shall in all respects be governed by and shall be construed in accordance with the laws of the State of Michigan applied to contracts executed and performed wholly within such state.

Bulk Disposal Charges

Quoted bulk disposal charges for solid materials will be billed by the cubic yard, if the waste density is less than 2,000lbs./cubic yard. If waste density is greater than 2,000 lbs./cubic yard, then bulk disposal charges will be billed by the ton, regardless of the approved container.

Appendix 12.

Closure and Post-Closure Financial Assurance

Increase Rider

BOND NO. K08866909

To be attached and form a part of Bond No. K08866909 dated the 26th day of February, 2014, executed by Westchester Fire Insurance Company as surety, on behalf of Michigan Disposal, Inc. as current principal of record, and in favor of Director of the Department of Environmental Quality on behalf of the state of Michigan, as Obligee, and in the amount of Eight Hundred Six Thousand Two Hundred Eight Dollars and 89/100 ($806,208.89).

In consideration of the agreed premium charged for this bond, it is understood and agreed that Westchester Fire Insurance Company hereby consents that effective from the 26th day of February, 2016, said bond shall be amended as follows:

THE BOND PENALTY SHALL BE Increased:

FROM: Eight Hundred Six Thousand Two Hundred Eight Dollars and 89/100 ($806,208.89)

TO: Eight Hundred Fifteen Thousand Seven Hundred Ninety Dollars and 88/100 ($815,790.88)

The Increase of said bond penalty shall be effective as of the 26th day of February, 2016, and does hereby agree that the continuity of protection under said bond subject to changes in penalty shall not be impaired hereby, provided that the aggregate liability of the above mentioned bond shall not exceed the amount of liability assumed by it at the time the act and/or acts of default were committed and in no event shall such liability be cumulative.

Signed, sealed and dated this 21st day of January, 2016.

Michigan Disposal, Inc.
PRINCIPAL

BY: April F. Ellsworth
April F. Ellsworth, Treasury Manager

Westchester Fire Insurance Company
SURETY

BY: _____
David G. Jensen, ATTORNEY-IN-FACT

Power of Attorney

WESTCHESTER FIRE INSURANCE COMPANY

Know all men by these presents: That **WESTCHESTER FIRE INSURANCE COMPANY,** a corporation of the Commonwealth of Pennsylvania pursuant to the following Resolution, adopted by the Board of Directors of the said Company on December 11, 2006, to wit:

"RESOLVED, that the following authorizations relate to the execution, for and on behalf of the Company, of bonds, undertakings, recognizances, contracts and other written commitments of the Company entered into the ordinary course of business (each a "Written Commitment"):

(1) Each of the Chairman, the President and the Vice Presidents of the Company is hereby authorized to execute any Written Commitment for and on behalf of the Company, under the seal of the Company or otherwise.

(2) Each duly appointed attorney-in-fact of the Company is hereby authorized to execute any Written Commitment for and on behalf of the Company, under the seal of the Company or otherwise, to the extent that such action is authorized by the grant of powers provided for in such persons written appointment as such attorney-in-fact.

(3) Each of the Chairman, the President and the Vice Presidents of the Company is hereby authorized, for and on behalf of the Company, to appoint in writing any person the attorney-in-fact of the Company with full power and authority to execute, for and on behalf of the Company, under the seal of the Company or otherwise, such Written Commitments of the Company as may be specified in such written appointment, which specification may be by general type or class of Written Commitments or by specification of one or more particular Written Commitments.

(4) Each of the Chairman, the President and Vice Presidents of the Company is hereby authorized, for and on behalf of the Company, to delegate in writing any other officer of the Company the authority to execute, for and on behalf of the Company, under the Company's seal or otherwise, such Written Commitments of the Company as are specified in such written delegation, which specification may be by general type or class of Written Commitments or by specification of one or more particular Written Commitments.

(5) The signature of any officer or other person executing any Written Commitment or appointment or delegation pursuant to this Resolution, and the seal of the Company, may be affixed by facsimile on such Written Commitment or written appointment or delegation.

FURTHER RESOLVED, that the foregoing Resolution shall not be deemed to be an exclusive statement of the powers and authority of officers, employees and other persons to act for and on behalf of the Company, and such Resolution shall not limit or otherwise affect the exercise of any such power or authority otherwise validly granted or vested."

Does hereby nominate, constitute and appoint Brandy L Baich, David G Jensen, Erin Brown, Ethan Baker, Kristin D Thurber, all of the City of PHOENIX, Arizona, each individually if there be more than one named, its true and lawful attorney-in-fact, to make, execute, seal and deliver on its behalf, and as its act and deed any and all bonds, undertakings, recognizances, contracts and other writings in the nature thereof in penalties not exceeding Twenty million dollars & zero cents ($20,000,000.00) and the execution of such writings in pursuance of these presents shall be as binding upon said Company, as fully and amply as if they had been duly executed and acknowledged by the regularly elected officers of the Company at its principal office.

IN WITNESS WHEREOF, the said Stephen M. Haney, Vice-President, has hereunto subscribed his name and affixed the Corporate seal of the said **WESTCHESTER FIRE INSURANCE COMPANY** this 7 day of May 2015.

WESTCHESTER FIRE INSURANCE COMPANY

Stephen M. Haney

Stephen M. Haney, Vice President

COMMONWEALTH OF PENNSYLVANIA
COUNTY OF PHILADELPHIA ss.

On this 7 day of May, AD. 2015 before me, a Notary Public of the Commonwealth of Pennsylvania in and for the County of Philadelphia came Stephen M. Haney ,Vice-President of the **WESTCHESTER FIRE INSURANCE COMPANY** to me personally known to be the individual and officer who executed the preceding instrument, and he acknowledged that he executed the same, and that the seal affixed to the preceding instrument is the corporate seal of said Company; that the said corporate seal and his signature were duly affixed by the authority and direction of the said corporation, and that Resolution, adopted by the Board of Directors of said Company, referred to in the preceding instrument, is now in force.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed my official seal at the City of Philadelphia the day and year first above written.

COMMONWEALTH OF PENNSYLVANIA
NOTARIAL SEAL
KAREN E. BRANDT, Notary Public
City of Philadelphia, Phila. County
My Commission Expires Sept. 25, 2018

Karen E. Brandt

Notary Public

I, the undersigned Assistant Secretary of the **WESTCHESTER FIRE INSURANCE COMPANY,** do hereby certify that the original POWER OF ATTORNEY, of which the foregoing is a substantially true and correct copy, is in full force and effect.

In witness whereof, I have hereunto subscribed my name as Assistant Secretary, and affixed the corporate seal of the Corporation, this 21st day of JANUARY, 2016

William L. Kelly

William L. Kelly, Assistant Secretary

THIS POWER OF ATTORNEY MAY NOT BE USED TO EXECUTE ANY BOND WITH AN INCEPTION DATE AFTER May 07, 2017.

HEAT SENSITIVE SHIELD • FADES WITH HEAT OR TOUCH •

DocuGard #04546 contains a security pantograph, blue background, heat-sensitive ink, coin-reactive watermark, and microtext printing on border.

XS
GREAT AMERICAN INSURANCE GROUP
Administrative Offices
301 E. 4th Street
Cincinnati, Ohio 45202
Tel: 1-513-369-5000

GENERAL SERVICE OF SUIT ENDORSEMENT
(Not Applicable in Delaware or Pennsylvania)

Pursuant to any statute of any state or district of the United States of America that makes provision therefor, the Insurer hereby designates the commissioner, superintendent or director of insurance or other officer specified for that purpose in the statue and his or her successors in office and duly authorized deputies in the state where this policy is issued, as the Insurer's true and lawful attorney for service of legal process in any action, suit or proceeding brought in the state where this policy is issued by or on behalf of an insured or beneficiary against the Insurer arising out of the insurance issued under this policy. Any legal process received by such attorney for service of legal process shall be forwarded, except as provided below, to the attention of: Eve Cutler Rosen, General Counsel, Great American Insurance Company, 301 E 4th Street, Cincinnati, Ohio 45202-4201.

In **California**, any legal process received by the Insurer's statutory attorney for service of process shall be forwarded to the attention of: Jere Keprios**,** The CT Corporation System, 818 West Seventh Street, Los Angeles, California 90017;

In the **District of Columbia**, any legal process received by the Insurer's statutory attorney for service of process shall be forwarded to CT Corporation System, 1015 15th Street, NW, Suite 1000, Washington, DC 20005;

In **Maine**, the Insurer hereby designates CT Corporation System as its attorney for service of legal process in any action relating to this policy, and directs that all such legal process be mailed to: CT Corporation System, One Portland Square, Portland, Maine 04101.

In **Oregon**, the Insurer and the insured policyholder hereby agree to waive the provisions of Oregon Insurance Code Section 735.490 requiring that service of legal process in any action relating to this policy shall be served on the insurance agent who registered or delivered this policy, and instead agree that such service of legal process be mailed directly to Eve Cutler Rosen, General Counsel, Great American Insurance Company, 301 E 4th Street, Cincinnati, Ohio 45202-4201.

In **Rhode Island**, the Insurer hereby designates CT Corporation System as its attorney for service of legal process in any action relating to this policy, and directs that all such legal process be mailed to: CT Corporation System, 10 Weybosset Street, Providence, Rhode Island 02903.

The foregoing designations of attorney for service of legal process upon the Insurer shall not constitute a waiver of the Insurer's rights to remove, remand, dismiss or transfer any suit or proceeding from any court, or to commence any suit or other proceeding in any court of competent jurisdiction.

GREAT AMERICAN INSURANCE GROUP
Administrative Offices
580 Walnut Street
Cincinnati, Ohio 45202
Tel: 1-513-369-5000

GREAT AMERICAN INSURANCE COMPANY

US ECOLOGY, INC. / US ECOLOGY IDAHO, INC.
CLOSURE AND POST-CLOSURE FINANCIAL ASSURANCE DECLARATIONS
HAZARDOUS WASTE FACILITY(IES)

SOME OF THE PROVISIONS CONTAINED IN THIS POLICY RESTRICT COVERAGE, SPECIFY WHAT IS AND IS NOT COVERED AND DESIGNATE RIGHTS AND DUTIES.

Policy Number: CPC 3273566 01
Renewal Of: CPC 3273566 00
Customer Number: 0005089866

1. FIRST NAMED INSURED: US Ecology, Inc.

Street Address: 251 E. Front Street, Suite 400

City/State/Zip: Boise, ID 83702

2: Policy Period: From: April 15, 2016 To: April 15, 2017
(12:01 A.M. standard time at the mailing address shown in Item 1. above)

3. Limits of Liability:

$17,219,094.03	each CLAIM for CLOSURE COSTS
$11,607,265.03	each CLAIM for POST-CLOSURE COSTS
$28,826,359.06	Total for all CLAIMS

4. HAZARDOUS WASTE FACILITY(IES):

Wayne Disposal, Inc., 49350 North I-94 Service Drive, Belleville, MI 48111

EPA ID NO: MID048090633

5.

Premium:	$302,677
-TRIA (Terrorism Coverage):	$0
Assessments and Surcharges:	$0
TOTAL:	$302,677

6. Broker: Willis of Arizona, Inc.

Street Address: 16220 N. Scottsdale Road, Suite 600

City/State/Zip: Scottsdale, AZ 85254

7. Forms and Endorsements applicable to all Coverage parts and made part of this Policy at the time of issue are listed on the attached Forms and Endorsements Schedule.0

Michigan Department of Environmental Quality – Office of Waste Management and Radiological Protection

HAZARDOUS WASTE MANAGEMENT CERTIFICATE OF INSURANCE FOR CLOSURE OR POSTCLOSURE CARE

The certificate of insurance for closure or postclosure care required under R 299.9708 of the Michigan Administrative Code must be worded as follows, except that instructions in brackets are to be replaced with the relevant information and the brackets deleted. Submit original documents to the Hazardous Waste Section, Office of Waste Management and Radiological Protection, Department of Environmental Quality, P.O. Box 30241, Lansing, Michigan 48909-7741.

Name and Address of Insurer (herein called the "Insurer"): Great American Insurance Company
301 E. 4th Street
Cincinnati, Ohio 45202

Name and Address of Insured (herein called the "Insured"): US Ecology, Inc.
251 E. Front Street, Suite 400, Boise, ID 83702

Facilities covered: EPA NO: MID048090633
Wayne Disposal, Inc., 49350 North I-94 Service Drive, Belleville, MI 48111
Closure: $17,028,770
Post-Closure: $11,478,969

Face amount: $28,507,739

Policy number: CPC 3273566 00

Effective date: April 14, 2015

The Insurer hereby certifies that it has issued to the Insured the policy of insurance identified above to provide financial assurance for closure and postclosure care for the facilities identified above. The Insurer further warrants that such policy conforms in all respects with the requirements of R 299.9708 of the Michigan Administrative Code as such rule was constituted on the date shown immediately below. It is agreed that any provision of the policy inconsistent with the rule is hereby amended to eliminate such inconsistency.

The Insurer further certifies all of the following:

1. The Insurer is licensed to transact the business of insurance, or is eligible to provide insurance as an excess or surplus lines insurer, in the state of Michigan.
2. The Insurer has a minimum of $7,000,000 of unimpaired surplus funds.
3. The Insurer assumes financial responsibility for the accepted risk, pursuant to the terms of the policy, using its own pool of resources that is independent, separate, and unrelated to that of the Insured.

A duplicate original of the policy listed above, including all endorsements thereon, is being submitted along with this certificate to the Michigan Department of Environmental Quality.

I hereby certify that the wording of this certificate is identical to the wording specified by the Michigan Department of Environmental Quality; as such certificate was specified on the date shown immediately below.

Doug Stepenosky
Senior Vice President Underwriting

Signature of witness or notary:
TBD

COMMONWEALTH OF PENNSYLVANIA
Notarial Seal
Barry R. Geisler, Notary Public
Plymouth Twp., Montgomery County
My Commission Expires Jan. 7, 2017
MEMBER, PENNSYLVANIA ASSOCIATION OF NOTARIES

Appendix 13.

Insurance Certificate

USECOLO-01 CRUNKCO

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY) 7/29/2016

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER	CONTACT NAME: Willis Towers Watson Certificate Center
Willis of Arizona, Inc. c/o 26 Century Blvd P.O. Box 305191 Nashville, TN 37230-5191	PHONE (A/C, No, Ext): (877) 945-7378 FAX (A/C, No): (888) 467-2378 E-MAIL ADDRESS: certificates@willis.com

INSURER(S) AFFORDING COVERAGE	NAIC #
INSURER A : Greenwich Insurance Company	22322
INSURER B : XL Specialty Insurance Company	37885
INSURER C : XL Insurance America, Inc.	24554
INSURER D : Indian Harbor Insurance Company	36940
INSURER E : Aspen Specialty Insurance Co	10717
INSURER F :	

INSURED

US Ecology, Inc.
EQ The Environmental Quality Company
251 E. Front Street, Suite 400
Boise, ID 83702

COVERAGES **CERTIFICATE NUMBER:** **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	X COMMERCIAL GENERAL LIABILITY			GEC000173116	08/01/2016	08/01/2017	EACH OCCURRENCE	$ 1,000,000
	CLAIMS-MADE X OCCUR						DAMAGE TO RENTED PREMISES (Ea occurrence)	$ 500,000
	X WA Stop Gap						MED EXP (Any one person)	$ 25,000
	GEN'L AGGREGATE LIMIT APPLIES PER:						PERSONAL & ADV INJURY	$ 1,000,000
	POLICY X PRO-JECT X LOC						GENERAL AGGREGATE	$ 2,000,000
	OTHER:						PRODUCTS - COMP/OP AGG	$ 2,000,000
							SIR	$ 100,000
B	AUTOMOBILE LIABILITY			AEC004634201	08/01/2016	08/01/2017	COMBINED SINGLE LIMIT (Ea accident)	$ 1,000,000
	X ANY AUTO						BODILY INJURY (Per person)	$
	ALL OWNED AUTOS / SCHEDULED AUTOS						BODILY INJURY (Per accident)	$
	X HIRED AUTOS / X NON-OWNED AUTOS						PROPERTY DAMAGE (Per accident)	$
	X Includes MCS 90 Endt							$
B	X UMBRELLA LIAB X OCCUR			UEC000173616	08/01/2016	08/01/2017	EACH OCCURRENCE	$ 25,000,000
	EXCESS LIAB CLAIMS-MADE						AGGREGATE	$ 25,000,000
	DED X RETENTION $ 10,000							$
C	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY Y/N	N/A		RWD3000908-01	08/01/2016	08/01/2017	X PER STATUTE / OTH-ER	
	ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? N (Mandatory in NH)						E.L. EACH ACCIDENT	$ 1,000,000
	If yes, describe under DESCRIPTION OF OPERATIONS below						E.L. DISEASE - EA EMPLOYEE	$ 1,000,000
							E.L. DISEASE - POLICY LIMIT	$ 1,000,000
D	Pollution Liability			PEC000173506	08/01/2016	08/01/2019	See Addl Cov Schld:	
E	Cont Poll Prof Liab			ERAFKTK16	08/01/2016	08/01/2017	See Addl Cov Schld:	

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

Umbrella/Excess Policy #UEC000173616 is not over any Pollution Policy.

CERTIFICATE HOLDER

Verification of Insurance

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

Belinda Lopez

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US ECOLOGY, INC., EQ HOLDINGS DIVISION
NAMED INSURED SCHEDULE

EQ Holdings, Inc.
EQ The Environmental Quality Company
Michigan Disposal, Inc.
Wayne Disposal, Inc.
EQ Resource Recovery, Inc.
EQ Resource Recovery, Inc. (Airport Services Pittsburgh)
EQ Resource Recovery, Inc. (Airport Services Minneapolis, MN)
EQ Resource Recovery, Inc. (Airport Services Salt Lake City)
EQ Industrial Services, Inc.
EQ Industrial Services, Inc. (Detroit)
EQ Industrial Services, Inc. (Atlanta)
EQ Industrial Services, Inc. (Indianapolis)
EQ Industrial Services, Inc. (Ohio)
EQ Northeast, Inc.
Wayne Energy Recovery
EQ Detroit, Inc.
EQ Detroit, Inc. - (Transfer & Processing)
EQ Florida Inc.
EQ Mobile Recycling, Inc.
Envirite of Ohio, Inc. (DBA - EQ Ohio)
EQ Metals Recovery, LLC
Envirite of Illinois, Inc. (DBA - EQ Illinois)
Envirite of Pennsylvania, Inc. (DBA - EQ Pennsylvania)
EQ Oklahoma, Inc.
EQ Terminal Services
Envirite Transportation, LLC
RTF Romulus, LLC.
EQ Alabama, Inc.
Vac-All Services, Inc.

ADDITIONAL COVERAGE SCHEDULE

COVERAGE	LIMITS
POLICY TYPE: Pollution & Remediation Legal Liability **CARRIER: Indian Harbor Insurance Company** **POLICY TERM: 08/01/2016 – 08/01/2019** **POLICY NUMBER: PEC000173506**	**$25,000,000 Each Condition** **$25,000,000 Aggregate** **$ 250,000 SIR Per Incident**
POLICY TYPE: Contractors Pollution & Professional Liability **CARRIER: Aspen Specialty Insurance Co.** **POLICY TERM: 08/01/2016 – 08/01/2017** **POLICY NUMBER: ERAFKTK16**	**Retro Date: 08/01/96** **$25,000,000 Each Incident** **$25,000,000 Aggregate** **$ 100,000 Deductible Per Incident**
POLICY TYPE: Pollution Legal Liability **(RCRA Locations)** **CARRIER: Indian Harbor Insurance Company** **POLICY TERM: 08/01/2016 – 08/01/2017** **POLICY NUMBER: PEC004627701**	**Occurrence Basis** **$ 4,000,000 Per Incident** **$20,000,000 Aggregate** **$ 250,000 Deductible Per Incident**

Appendix 14.

WDI
Landfill Design and Cell Layout

Landfill Cell Status

Cell/ Unit	Status (Open/Closed)	Date (Open/Closed)	Approximate Area (Acres)
I	Closed	Fall ‘75 - Winter ‘ 78	65
IV	Closed	1/79 - 1/81	33
V	Closed	1/81 - 8/83	40
VI	Open	9/86 - Present	92
VII	Closed	8/83 - 9/86	32
IX	Closed	4/85 - 8/92	46
X	Closed	3/88 - 6/93	39
XI	Closed	9/82 - 4/85	37

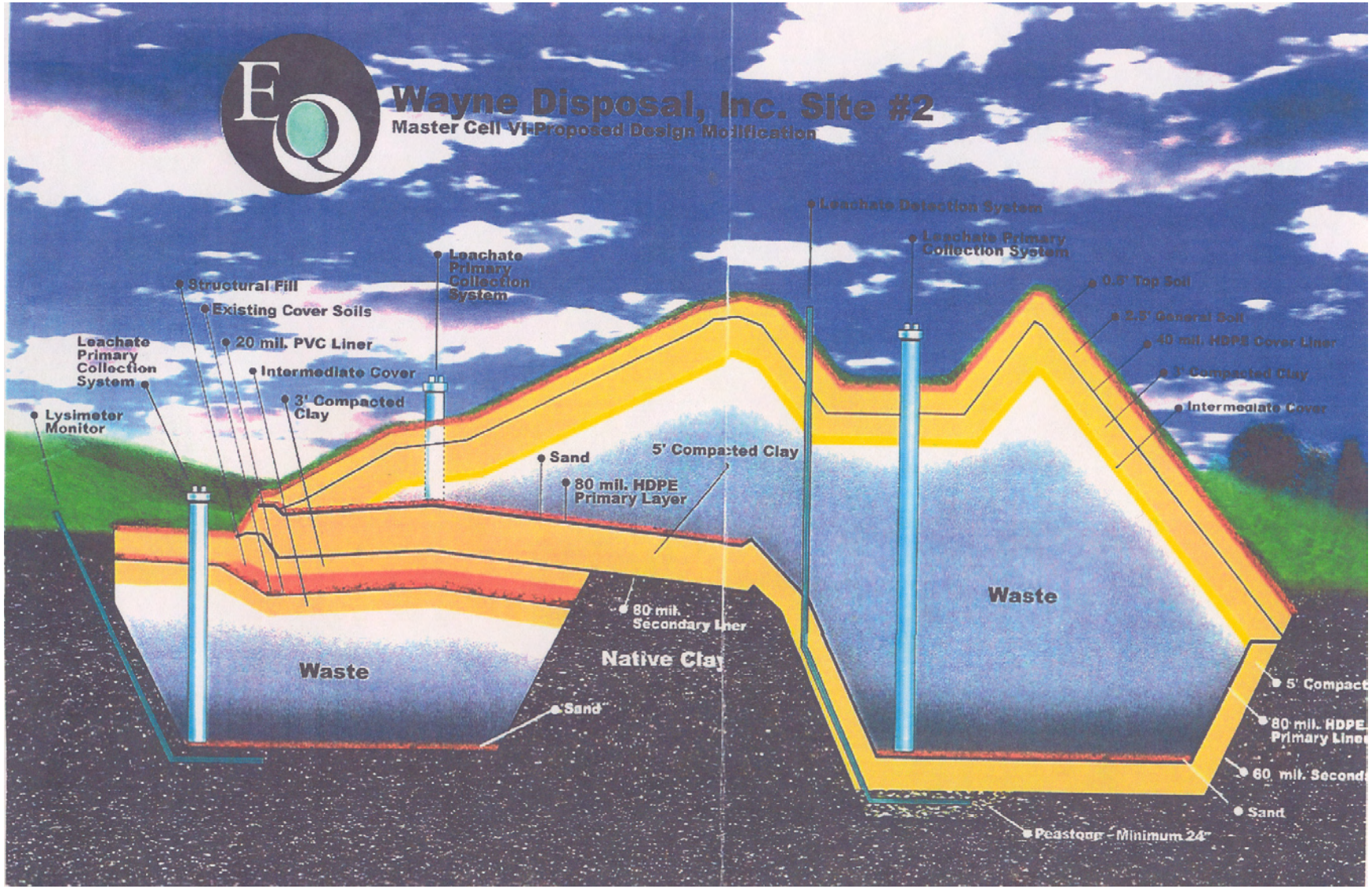
Active Landfill Cell Design

Sub-Cell	Liner	Leachate Collection
A and B	10’ native clay 60 mil HDPE 5’ compacted clay 80 mil HDPE	1’ sand perforated pipe geosynthetics
C and D	10’ native clay 80 mil HDPE 5’ compacted clay 80 mil HDPE	1’ sand perforated pipe geosynthetics
E[1]	10’ (minimum) native clay waste (Master cell V) intermediate cover geogrid embedded in structural fill 3’ (minimum) compacted clay 80 mil HDPE geocomposite 5’ minimum compacted clay 80 mil HDPE	geocomposite perforated pipe in 1’ of sand
6G Phase 1	10’ (minimum) native clay 3’ (minimum) compacted clay 80 mil HDPE geomembrane geocomposite 5’ minimum compacted clay 80 mil HDPE geomembrane	geocomposite perforated pipes in 1’ of sand drainage layer

Closed Landfill Design

Cell	Total Waste Inventory *	Liner	Leach Coll.	Cover
I	3,820,000 CY	10’ native clay	none	4’ comp. clay
IV	1,710,000 CY	10’ native clay	none	4’ comp. clay
VA, C, D	2,100,000 CY(total V)	10’ native clay	1’ sand & 20 mil PVC/ perforated pipe	5’ comp. clay
VB, E		15’ native clay	1’ sand & 20 mil PVC/ perforated pipe	5’ comp. clay
VIIA, B	1,840,000 CY (total VII)	15’ native clay	1’ sand & 30 mil HDPE/ perforated pipe	3’ comp. clay
VIIC		15’ native clay/	1’ sand/30 mil HDPE/ 2 layers perforated 60 mil HDPE pipe/tires	3’ comp. clay
IX	3,300,000 CY	10’ native clay	1’ sand & 40 mil HDPE/ perforated pipe	3’ comp. clay
XI	2,100,000 CY	10’ native clay	1’ sand & 30 mil HDPE/ perforated pipe	2’ comp. clay
X	2,400,000 CY	10’ native clay	1’ sand & 40 mil HDPE/ perforated pipe	2’ comp. clay

* Volumes include waste and daily cover.


Wayne Disposal, Inc. Site #2
Master Cell VI Proposed Design Modification
Structural Fill
Existing Cover Soils
20 mil. PVC Liner
Intermediate Cover
3' Compacted Clay
Leachate Primary Collection System
Lysimeter Monitor
Leachate Primary Collection System
Sand
80 mil. HDPE Primary Layer
5' Compacted Clay
Waste
80 mil. Secondary Liner
Native Clay
Sand
Leachate Detection System
Leachate Primary Collection System
0.5' Top Soil
2.5' General Soil
40 mil. HDPE Cover Liner
3' Compacted Clay
Intermediate Cover
Waste
5' Compact
80 mil. HDPE Primary Liner
60 mil. Second
Sand
Peastone - Minimum 24"

Appendix 15.

WDI
NPDES Permit

RICK SNYDER
GOVERNOR

STATE OF MICHIGAN
DEPARTMENT OF ENVIRONMENTAL QUALITY
LANSING

DAN WYANT
DIRECTOR

December 2, 2014

Wayne Disposal, Incorporated
49350 North I-94 Service Drive
Belleville, Michigan 48111

Dear Sir or Madam:

SUBJECT: National Pollutant Discharge Elimination System (NPDES); Permit No. MI0056413
Designated Name: Wayne Disposal Inc LF

Your NPDES Permit has been processed in accordance with the appropriate state and federal regulations. It contains the requirements necessary for you to comply with state and federal water pollution control laws.

The issuance of this permit does not authorize the violation of any federal, state, or local laws or regulations, nor does it obviate the necessity of obtaining such permits, including any other Department of Environmental Quality (DEQ) permits, or approvals from other units of government as may be required by law.

REVIEW THE PERMIT EFFLUENT LIMITS AND COMPLIANCE SCHEDULES CAREFULLY. These are subject to the criminal and civil enforcement provisions of both state and federal law. Permit violations are audited by the DEQ and the United States Environmental Protection Agency (USEPA), and may appear in a published quarterly noncompliance report made available to agencies and the public.

Your monitoring and reporting responsibilities must be complied with in accordance with this permit. If required by the permit, self-monitoring data shall be reported via the DEQ Electronic Environmental Discharge Monitoring Reporting (e2-DMR) system. Other reports, notifications, or questions regarding the enclosed permit or the NPDES program should be directed to the following address:

Ms. Hae-Jin Yoon, District Supervisor
Southeast Michigan District Office, Water Resources Division, DEQ
27700 Donald Court
Warren, Michigan 48092-2793
Telephone: 586-753-3700, Fax: 586-751-3751

Sincerely,

Philip Argiroff(sea)

Philip Argiroff, Chief
Permits Section
Water Resources Division
517-284-5568

pa/sea

Enclosures
cc/enc: USEPA-Region 5
208 Agency – Southeast Michigan Council of Governments
Mr. Ken Weber, Manager, Wastewater Treatment Plant, Wayne Disposal Incorporated
Mr. Michael Takacs, Environmental Manager, Wayne Disposal Incorporated
Ms. Hae-Jin Yoon, Southeast Michigan District Supervisor, Water Resources Division, DEQ (electronic)
Permits Section-ICIS, Water Resources Division, DEQ
File

***** IMPORTANT NOTICE *****

In June 2015, the Department of Environmental Quality, Water Resources Division (WRD), is planning to launch a new information system called MiWaters. MiWaters will be a state-of-the-art, comprehensive, Web-based permitting and compliance database. The system will replace over 25 applications and databases currently used by the WRD, some of which are over 30 years old.

MiWaters will establish a streamlined electronic permitting process, allowing Michigan to fulfill federal electronic reporting requirements and providing an online component for access to public information. The focus of MiWaters will be permitting and compliance, including National Pollutant Discharge Elimination System (NPDES) Permits (including storm water permits) and Groundwater Discharge Permits. It will also include electronic reporting of untreated or partially treated sanitary wastewater.

One of our focuses in developing MiWaters is to create a system that makes it easier for the WRD to communicate with, and provide services electronically to, our regulated community. Below is a list of some of the functions and features that MiWaters will provide:

- Permit applications will be submitted electronically.
- The current Electronic Environmental Discharge Monitoring Reporting (e2-DMR) system will be replaced with a more sophisticated system that will provide additional validation and feedback to permittees, and help detect and prevent errors prior to submittal.
- All permit-required submittals will be submitted electronically.
- Those with a MiWaters account will be able to manage permissions, deciding who can view, edit, and submit applications or submittals.
- Wastewater treatment plants will manage biosolids application sites online. Requests may be submitted through MiWaters with notification sent upon approval.
- MiWaters will provide near real-time notifications to the permittee of any violations determined by the system or by staff, providing permittees with an early "heads up" and opportunity to correct problems.

Upon implementation of MiWaters, paper applications for NPDES permits will no longer be accepted.

Additional information will be made available prior to the implementation of MiWaters.

* * * * *

PERMIT NO. MI0056413

STATE OF MICHIGAN
DEPARTMENT OF ENVIRONMENTAL QUALITY

AUTHORIZATION TO DISCHARGE UNDER THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM

In compliance with the provisions of the Federal Water Pollution Control Act (33 U.S.C. 1251 *et seq.*, as amended; the "Federal Act"); Part 31, Water Resources Protection, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended (NREPA); Part 41, Sewerage Systems, of the NREPA; and Michigan Executive Order 2011-1,

Wayne Disposal, Incorporated
49350 North I-94 Service Drive
Belleville, Michigan 48111

is authorized to discharge from the **Wayne Disposal, Incorporated** facility located at

49350 North I-94 Service Drive
Belleville, Michigan 48111

designated as **Wayne Disposal Inc LF**

to the receiving water named Quirk Drain, in accordance with effluent limitations, monitoring requirements, and other conditions set forth in this permit.

This permit is based on a complete application submitted on April 10, 2013, as amended through July 24, 2014.

This permit takes effect on December 1, 2014. The provisions of this permit are severable. After notice and opportunity for a hearing, this permit may be modified, suspended, or revoked in whole or in part during its term in accordance with applicable laws and rules. On its effective date this permit shall supersede NPDES Permit No. MI0056413, expiring October 1, 2013.

This permit and the authorization to discharge shall expire at midnight, **October 1, 2018.** In order to receive authorization to discharge beyond the date of expiration, the permittee shall submit an application which contains such information, forms, and fees as are required by the Department of Environmental Quality (Department) by **April 4, 2018.**

Issued: November 7, 2014

Philip Argiroff, P.E.
Philip Argiroff, Chief
Permits Section
Water Resources Division

PERMIT FEE REQUIREMENTS

In accordance with Section 324.3120 of the NREPA, the permittee shall make payment of an annual permit fee to the Department for each October 1 the permit is in effect regardless of occurrence of discharge. The permittee shall submit the fee in response to the Department's annual notice. The fee shall be postmarked by January 15 for notices mailed by December 1. The fee is due no later than 45 days after receiving the notice for notices mailed after December 1.

Annual Permit Fee Classification: Industrial-Commercial Minor, high-flow (Individual Permit)

In accordance with Section 324.3118 of the NREPA, the permittee shall make payment of an annual storm water fee to the Department for each January 1 the permit is in effect regardless of occurrence of discharge. The permittee shall submit the fee in response to the Department's annual notice. The fee shall be postmarked by March 15 for notices mailed by February 1. The fee is due no later than 45 days after receiving the notice for notices mailed after February 1.

CONTACT INFORMATION

Unless specified otherwise, all contact with the Department required by this permit shall be made to the Southeast Michigan District Supervisor of the Water Resources Division. The Southeast Michigan District Office is located at 27700 Donald Court, Warren, Michigan 48092-2793, Telephone: 586-753-3700, Fax: 586-751-3751.

CONTESTED CASE INFORMATION

Any person who is aggrieved by this permit may file a sworn petition with the Michigan Administrative Hearing System within the Michigan Department of Licensing and Regulatory Affairs, c/o the Michigan Department of Environmental Quality, setting forth the conditions of the permit which are being challenged and specifying the grounds for the challenge. The Department of Licensing and Regulatory Affairs may reject any petition filed more than 60 days after issuance as being untimely.

Appendix 16.

WDI
WWTP Discharge Permit

May 15, 2013

Wayne Disposal, Inc.
49350 N. I 94 Service Drive
Belleville, MI 48111
Attn: Mr. Ken Weber

Re: Wayne Disposal, Inc. Discharge Permit No. D-11201

Dear Mr. Weber;

Enclosed, please find your revised Industrial Discharge Permit. Your permit contains some new parameters and updated limits. Please review your revised permit carefully to ensure that you understand all of the requirements it contains.

If there are any questions, please contact me at (734) 379-3855.

Sincerely,
United Water

Mark Houle
Operations Manager

Cc: South Huron Valley Utility Authority Board
Industrial User File

34001 W.Jefferson Brownstown, MI 48173 Phone: 734.379.3855 Facsimile: 734.379.4465

SOUTH HURON VALLEY UTILITY AUTHORITY
34001 WEST JEFFERSON AVE
BROWNSTOWN TOWNSHIP, MI 48173
(734) 379-3855
INDUSTRIAL PRETREATMENT PROGRAM
CLASS D WASTEWATER DISCHARGE PERMIT

Permit No.: D-11201
Expiration Date: 5/29/18
Effective Date: 5/30/13

In accordance with the provisions of Article V, Section 4.02 of the South Huron Valley Utility Authority Rules and Regulations and pursuant to the requirements of the Industrial Pretreatment Program as specified in 40 CFR 403.8 (f), **Wayne Disposal, Inc.(WDI)**

Mailing/Facility Address:
49350 N. I 94 Service Drive
Belleville, MI 48111

Contact Person(s):

Kerry Durnen	(734) 699-6265	(734) 576-0189 (Cell)
Ken Weber	(734) 699-6280	(734) 576-0153 (Cell)

is hereby authorized to discharge industrial wastewater from the above identified facility and through the outfall identified herein into the sanitary sewer system tributary to the South Huron Valley Wastewater Treatment Plant in accordance with the conditions set forth in this permit. Compliance with this permit does not relieve the permittee of its obligation to comply with any or all applicable Pretreatment regulations, standards, or requirements, or laws that may become effective during the term of this permit.

Noncompliance with any term or condition of this permit shall constitute a violation of the South Huron Valley Utility Authority Rules and Regulations.

If the permittee wishes to continue to discharge after the expiration date of this permit, an application must be filed for permit re-issuance in accordance with the requirements of Article V, Section 4 of the Rules and Regulations, a minimum of 90 days prior to the expiration date.

The permittee shall pay an ANNUAL SURVEILLANCE FEE OF $4,095.00 for the current year of this permit, in accordance with the conditions of Part II.A.4 of this permit. Permit fees are subject to yearly evaluations and adjustments based on flow, number of constituents monitored, and any other factors influencing the costs associated with the administration of the Industrial Pretreatment Program.

Authorization of Permit: South Huron Valley Utility Authority

Signature of Official: _____

Printed Name: Mark Houle

Title: Operations Manager – SHVUA WWTP

Date: 5-15-13

Appendix 17.

WDI Part 111
Hazardous Waste Operating License

STATE OF MICHIGAN
DEPARTMENT OF ENVIRONMENTAL QUALITY
LANSING

RICK SNYDER
GOVERNOR

DAN WYANT
DIRECTOR

May 4, 2012

Mr. Michael J. Takacs
Regulatory Specialist
EQ The Environmental Quality Company
Wayne Disposal, Inc.
49350 North I-94 Service Drive
Belleville, Michigan 48111

Dear Mr. Takacs:

SUBJECT: Hazardous Waste Management Facility Expansion Operating License (License); Wayne Disposal, Inc. (WDI), Belleville, Michigan; MID 048 090 633

The Department of Environmental Quality (DEQ), Resource Management Division (RMD), has completed its review of the License application from WDI. Based on that review and the results of the public hearing held on March 12, 2012, the DEQ has issued the License to WDI pursuant to Part 111, Hazardous Waste Management, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended. The License application review and the public participation procedures were conducted in accordance with Part 111.

Enclosed are copies of the License, Response to Comments, and Notice of Final Decision. The license attachments that were previously provided with the draft License have not changed, so they can be included with this final License. If you have any questions or comments, please contact Mr. Peter Quackenbush, Hazardous Waste Section, RMD, at 517-373-7397; quackenbushp@michigan.gov; or DEQ, P.O. Box 30241, Lansing, Michigan 48909-7741.

Sincerely,

Liane J. Shekter Smith, P.E., Chief
Resource Management Division
517-373-9523

Enclosures
cc: Mr. Scott Maris, EQ The Environmental Quality Company
Ms. DeLores Montgomery/Mr. David Slayton, DEQ
Mr. Michael Busse, DEQ
Mr. Peter Quackenbush/Mr. Joseph Rogers, DEQ
Mr. Leo Parks, DEQ
Operating License File

State of Michigan
Department of Environmental Quality
HAZARDOUS WASTE MANAGEMENT FACILITY EXPANSION OPERATING LICENSE

NAME OF LICENSEE: Wayne Disposal, Inc.

NAME OF FACILITY OWNER: EQ – The Environmental Quality Company

NAME OF FACILITY OPERATOR: Wayne Disposal, Inc.

NAME OF TITLEHOLDER OF LAND: Wayne Disposal, Inc.

FACILITY NAME: Wayne Disposal, Inc.

FACILITY LOCATION: 49350 North I-94 Service Drive
Belleville, Michigan 48111

EPA IDENTIFICATION (ID) NUMBER: MID 048 090 633

EFFECTIVE DATE: May 4, 2012

REAPPLICATION DATE: November 5, 2021

EXPIRATION DATE: May 4, 2022

AUTHORIZED ACTIVITIES

Pursuant to Part 111, Hazardous Waste Management, of Michigan's Natural Resources and Environmental Protection Act, 1994 PA 451, as amended (Act 451), being §§324.11101 to 324.11153 of the Michigan Compiled Laws, and the hazardous waste management administrative rules (hereafter called the "rules") promulgated thereunder, being R 299.9101 *et. seq.* of the Michigan Administrative Code, by the Department of Environmental Quality (DEQ), an operating license (hereafter called the "license") is issued to Wayne Disposal, Inc. (hereafter called the "licensee"), to operate a hazardous waste management facility (hereafter called the "facility") located at latitude 42° 13' 30" N and longitude 83° 31' 00" W. The licensee is authorized to conduct the following hazardous waste management activities:

☒ STORAGE	☐ TREATMENT	☒ DISPOSAL	☒ POSTCLOSURE
☐ Container	☐ Container	☒ Landfill	☐ Tank
☒ Tank	☐ Tank	☐ Land Application	☐ Surface Impoundment
☐ Waste Pile	☐ Surface Impoundment	☐ Surface Impoundment	☒ Landfill
☐ Surface Impoundment	☐ Incinerator		☐ Waste Pile
☐ Drip Pad	☐ Other:		

APPLICABLE REGULATIONS AND LICENSE APPROVAL

The conditions of this license were developed in accordance with the applicable provisions of the rules, effective March 17, 2008. The licensee shall comply with all terms and conditions of this license. This license consists of the 32 pages of conditions attached hereto (along with those in Attachments 1 through 16) and the applicable regulations contained in R 299.9101 through R 299.11008, as specified in the license. For purposes of compliance with this license, applicable rules are those that are in effect on the date of issuance of this license in accordance with R 299.9521(3)(a).

This license is based on the information in the license application submitted on March 4, 2011, and any subsequent amendments (hereafter referred to as "the application"). Pursuant to R 299.9519(11)(c), the license may be revoked if the licensee fails, in the application or during the license issuance process, to disclose fully all relevant facts or, at any time, misrepresents any relevant facts. As specified in R 299.9519(1), the facility shall be constructed, operated, and maintained in accordance with Part 111 of Act 451, as amended on December 22, 2010; the rules; and this license.

This license is effective on the date of issuance and shall remain in effect for 10 years from the date of issuance, unless revoked pursuant to R 299.9519 or continued in effect as provided by the Michigan Administrative Procedures Act, 1969 PA 306, as amended (Act 306). Pursuant to R 299.9516, this license shall be reviewed by the DEQ 5 years after the date of issuance and shall be modified as necessary in accordance with the provisions of R 299.9519 and R 299.9520.

Issued this 4th day of May, 2012

by _____

Liane J. Shekter Smith, P.E., Chief
Resource Management Division

Appendix 18.

WDI
Leachate Monitoring Parameters

Leachate Monitoring Program

Each leachate sump is sampled quarterly and analyzed for the parameters listed below.

Organic Parameters

1,1,1-Trichloroethane
1,1,2,2-Tetrachloroethane
1,1,2-Trichloroethane
1,1-Dichloroethane
1,1-Dichloroethene
1,2,4-Trichlorobenzene
1,2-Dichlorobenzene
1,2-Dichlorobenzene
1,2-Dichloroethane
1,2-Dichloroethene
1,2-Dichloropropane
1,3-Dichlorobenzene
1,3-Dichlorobenzene
1,3-Dichloropropene
1,4-Dichlorobenzene
1,4-Dichlorobenzene
1,4-Dioxane
2,4,5-Trichlorophenol
2,4,6-Trichlorophenol
2,4-Dichlorophenol
2,4-Dimethylphenol
2,4-Dinitrophenol
2,4-Dinitrotoluene
2,6-Dinitrotoluene
2-Chloroethylvinyl Ether
2-Chloronapthene
2-Chlorophenol
2-Methylnapthalene
2-Methylphenol
2-Nitroaniline
2-Nitrophenol
3,3'-Dichlorobenzene
3-Methylphenol
3-Nitroaniline
4,6-Dinitro-2-methylphenol
4-Bromo phenyl ether
4-Chloro-3-methylphenol
4-Chloroaniline
4-Chlorophenyl phenyl ether
4-Methyl-2-Pentanone
4-Methylphenol
4-Nitroaniline
4-Nitrophenol
Acenapthene
Acenapthylene
Acetone
Anthracene
Benzene
Benzidene
Benzo(a)anthracene
Benzo(a)pyrene
Benzo(b)fluoranthene
Benzo(ghi)perylene
Benzoic Acid
Benzyl alcohol
Bis (2)chloroisopropyl) ether
Bis (2-chloroethoxy) methane
Bis (2-chloroethyl) ether
Bis (2-ethylhexyl) phthalate
Bromodichloromethane
Bromoform
Bromomethane
Butyl benzyl phthalate
Carbon Tetrachloride
Chlorobenzene
Chloroethane
Chloroform
Chloromethane
Chrysene
Dibenz (a,h) anthracene
Dibenzofuran
Dibromodifluoromethane
Dichlorodifluoromethane
Diethyl pthalate
Dimethyl pthalate
Di-n-butyl phthalate
Di-n-octyl phthalate
Ethylbenzene
Fluoranthene
Fluorene
Hexachlorobenzene
Hexachlorobutadiene
Hexachlorocyclopentadiene
Hexachloroethane
Indeno (1,2,3-cd) pyrene
Isophorone
Isobutyl Alcohol
Methyl Ethyl Ketone(2-Butanone)
Methylene Chloride
Napthalene
Nitrobenzene
N-Nitroso-di-n-propylamine
N-Nitrosodiphenylamine
Pentachlorophenol
PCB-1016
PCB-1221
PCB-1260
PCB-1232
PCB-1242
PCB-1248
PCB-1254
Phenanathrene
Phenol
Pyrene
Tetrachloroethane
Tetrachloroethene
TolueneBenzo(k)fluoranthene
Trichloroethene
Trichlorofluoromethane
Vinyl Chloride
Xylenes, Total

Conventional Parameters

Alkalinity as CaCO3
Chemical Oxygen Demand
pH
Specific Conductivity
Total Organic Carbon

Inorganic Parameters

Aluminum
Antimony
Arsenic
Barium
Beryllium
Bicarbonate
Cadmium
Calcium
Carbonate
Chloride
Chromium, Hexavalent
Chromium, Total
Cobalt
Copper
Cyanide, Total
Iron
Lead
Magnesium
Manganese
Mercury
Molybdenum
Nickel
Nitrate/Nitrate
Potassium
Selenium
Silver
Sodium
Sulfate
Thallium
Tin
Total Kjeldahl Nitrogen
Total Phosphates
Vanadium
Zinc

Total Phenolics

Appendix 19.

WDI
TSCA PCB Approval

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 5
77 WEST JACKSON BOULEVARD
CHICAGO, IL 60604-3590

SEP 27 2013

REPLY TO THE ATTENTION OF:

CERTIFIED NO.: 7001 0320 0006 0185 5336
RETURN RECEIPT REQUESTED

Kerry Durnen
Director of Operations
Wayne Disposal, Inc.
49350 North I-94 Service Drive
Belleville, Michigan 48111-1854

Re: Final Federal TSCA Approval Modification,
Wayne Disposal, Inc., Belleville, Michigan

Dear Mr. Durnen:

Enclosed is the final federal Toxic Substances Control Act (TSCA) approval modification for Wayne Disposal, Inc.'s landfill in Belleville, Michigan. The approval is a chemical waste landfill approval to dispose of polychlorinated biphenyls (PCBs) issued pursuant to 40 C.F.R § 761.75 and replaces the approval issued on September 29, 2011.

On July 8, 2013, U. S. Environmental Protection Agency issued the draft federal Toxic Substances Control Act (TSCA) approval modification for Wayne Disposal, Inc.'s landfill in Belleville, Michigan for public comment. The draft federal TSCA approval was publicly noticed in the "The Belleville View" on July 3 and July 11, 2013. A copy of the draft federal TSCA approval was available for review at the Van Buren Township, 46425 Tyler Rd. Van Buren Twp, Michigan, 48111 and on the EPA website. In addition, EPA mailed fact sheets on the public comment period to community groups and individuals identified during Wayne Disposal's environmental justice analysis and community outreach activities. The public comment period was open through August 8, 2013, and EPA received no comments or meeting requests on the draft approval. As a result, EPA is now issuing Wayne Disposal, Inc., a final modified approval.

This approval may be withdrawn or further conditions may be added to it at any time the EPA has reason to believe that operation of the process represents an unreasonable risk of injury to human health or the environment. Withdrawal of this authorization or the imposition of further conditions may also result from future EPA rulemaking or development of guidance with respect to PCBs. Moreover, violation of any conditions included as part of this authorization may subject Wayne Disposal, Inc. to enforcement action and/or termination of this approval.

Recycled/Recyclable • Printed with Vegetable Oil Based Inks on 100% Recycled Paper (100% Post-Consumer)

It is the responsibility of you and your company, Wayne Disposal, Inc., to ensure that all applicable provisions of TSCA and the Federal PCB regulations are followed. Violation of any of the applicable provisions may be cause for rescission of this approval. Furthermore, this approval does not relieve Wayne Disposal, Inc., of the responsibility to comply with all other Federal, State and local regulations and ordinances for transportation, siting, operation and maintenance of its facility.

The EPA reserves the right for its authorized representatives to observe Wayne Disposal, Inc. disposal activities and inspect records which the company is required to maintain under the Federal PCB regulations and this approval during normal operation and at other reasonable times.

If you have questions concerning the final federal TSCA approval, please contact Karen Kirchner, of my staff, at (312) 353-4669.

Sincerely,

Margaret M. Guerriero
Director
Land and Chemicals Division

Enclosure

cc: Timothy Thurlow, EPA
Peter Quackenbush, MDEQ
Michael Tackas, WDI
Scott Maris, WDI

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 5

IN THE MATTER OF:	)	
	)	**CHEMICAL WASTE LANDFILL**
Wayne Disposal, Inc.,	)	**APPROVAL TO DISPOSE OF**
49350 North I-94 Service Drive,	)	**POLYCHLORINATED BIPHENYLS**
Belleville, Michigan 48111-1854,	)	**ISSUED PURSUANT TO**
MID 048 090 633	)	**40 C.F.R. § 761.75**
	)	
APPLICANT.	)	

AUTHORITY

This chemical waste landfill approval (Approval) is issued by the United States Environmental Protection Agency to Wayne Disposal, Inc. (WDI), pursuant to Section 6(e)(1) of the Toxic Substances Control Act (TSCA), 15 U.S.C. § 2605(e)(1), and the federal regulations for disposal of Polychlorinated Biphenyls (PCBs) at 40 C.F.R. § 761.75. This Approval replaces the September 29, 2011 Approval previously issued to WDI.

Section 6(e)(1)(A) of TSCA, 15 U.S.C. § 2605(e)(1)(A), requires that EPA promulgate rules to prescribe methods for the disposal of PCBs. The regulations at 40 C.F.R. § 761.75 require, among other things, that various types of PCBs and PCB Items be disposed of in chemical waste landfills approved by EPA for PCB disposal. 40 C.F.R. § 761.75(a) designates the Regional Administrator as the approval authority for such PCB disposal facilities. 40 C.F.R. § 761.75(b) sets out a number of technical requirements for PCB disposal facilities. 40 C.F.R. § 761.75(c) prescribes the process by which an owner or operator of a chemical waste landfill may obtain approval to dispose of PCBs.

EPA Headquarters Delegation 12-5 authorizes the re-delegation of approval authority for PCB disposal facilities from Regional Administrators to Regional Division Directors. Under EPA, Region 5 Delegation 12-5, dated October 22, 2007, the approval authority for PCB disposal facilities was delegated to the Director, Land and Chemicals Division (LCD), EPA, Region 5.

None of the information required to be maintained under or submitted pursuant to this Approval is subject to the requirements of the Paperwork Reduction Act, 44 U.S.C. § 3501, et seq., because such information is collected by EPA from WDI for the purpose of assuring compliance with this Approval.

EFFECTIVE DATES

This Approval is effective upon the date of signature of the Director of LCD, EPA, Region 5. WDI's authorization to dispose of PCBs and PCB Items in the WDI Landfill under this Approval will be valid for a period of five (5) years, unless such authorization is suspended or terminated, as provided herein, or unless the time period is modified by EPA. Upon signature by the Director, the issuance of this Approval shall be considered final agency action.

BACKGROUND

The WDI Landfill Site # 2, located at 49350 North I-94 Service Drive, Belleville, Michigan (WDI Landfill), is a 193-acre chemical waste landfill that is divided into Master Cells V, VI and VII. The WDI Landfill is owned and operated by Wayne Disposal, Inc. The Environmental Quality Company owns Wayne Disposal, Inc.

The WDI Landfill was originally authorized under authority granted by the Resource Conservation and Recovery Act (RCRA), as amended, 42 U.S.C. § 6901 et seq., and was operated pursuant to a RCRA Hazardous Waste Management Permit issued by EPA and a Hazardous Waste Management Facility Operating License issued by the predecessor agency to the Michigan Department of Environmental Quality (MDEQ). WDI Landfill Master Cells V and VII, which do not contain PCBs, have been filled and closed, and are currently in post-closure care.

On March 15, 1995, WDI, as lessee and operator of the Landfill, submitted an application to MDEQ for a Hazardous Waste Management Facility Operating License, pursuant to Part 111 of the Michigan Natural Resources and Environmental Protection Act, 1994 PA 451, as amended (Act 451), for Master Cell VI of the WDI Landfill.

On July 10, 1995, WDI, as lessee and operator of the Landfill, submitted an application to EPA for approval under 40 C.F.R. § 761.75, to dispose of PCBs and PCB-contaminated waste in Master Cell VI of the WDI Landfill.

On April 14, 1997, MDEQ issued a Hazardous Waste Management Facility Operating License to WDI for Master Cell VI of the WDI Landfill.

On April 14, 1997, EPA issued a TSCA Approval to WDI to allow the disposal of PCBs and PCB Items in Master Cell VI of the WDI Landfill. On December 23, 1998, the Approval was modified to reflect a transfer of ownership of the landfill property from the Ford Motor Company to WDI.

On August 24, 1999, WDI submitted an application to MDEQ requesting a major modification of the April 14, 1997, Hazardous Waste Management Facility Operating License for the WDI Landfill. WDI sought a modification of the Operating License to allow for a design change to expand the capacity of Master Cell VI by extending the cell both vertically and horizontally over closed Master Cell V.

APPROVAL

In accordance with 40 C.F.R. § 761.75 and the Findings above, EPA has determined that WDI's Application is consistent with TSCA, and that Master Cell VI of the WDI Landfill, when operated in compliance with the Conditions of Approval, does not present an unreasonable risk of injury to health or the environment from PCBs. Provided that the Conditions of Approval described above are met, WDI's April 18, 2012, request for an amended Approval is granted.

WDI is authorized to dispose of PCB waste in the remaining part of its previously approved and constructed four million three hundred twenty-five thousand (4.325 million) cubic yards of volume in Master Cell VI of the WDI Landfill, and may dispose of up to another eleven million seven hundred thirty thousand four hundred eighty (11.730480 million) cubic yards of PCB waste in Master Cell VI, including Subcells F and G, after these Subbcells are so constructed and certified by the MDEQ.

Date: September 27, 2013

Margaret M. Guerriero, Director
Land and Chemicals Division
United States Environmental Protection Agency
Region 5

Appendix 20.

MDWTP/WDI
List of Acceptable Waste Codes

PERMITTED HAZARDOUS WASTE CODES

Michigan Disposal Waste Treatment Plant and Wayne Disposal, Inc. Site #2 Landfill

CHARACTERISTIC WASTE

D001	D004	D007	D010	D013	D016	D019	D022	D025	D028	D031	D034	D037	D040	D043
D002	D005	D008	D011	D014	D017	D020	D023	D026	D029	D032	D035	D038	D041	
D003[R]	D006	D009	D012	D015	D018	D021	D024	D027	D030	D033	D036	D039	D042	

HAZARDOUS WASTE FROM NON-SPECIFIC SOURCES

F001	F003	F005	F007	F009	F011	F019	F025	F034	F037	F039
F002	F004	F006	F008	F010	F012	F024	F032	F035	F038	

HAZARDOUS WASTE FROM SPECIFIC SOURCES

K001	K010	K020	K029	K038	K048	K065	K087	K098	K108	K117	K141	K151	K171
K002	K011	K021	K030	K039	K049	K066	K088	K100	K109	K118	K142	K156	K172
K003	K013	K022	K031	K040	K050	K069	K090	K101	K110	K123	K143	K157	K174
K004	K014	K023	K032	K041	K051	K071	K091	K102	K111	K124	K144	K158	K175
K005	K015	K024	K033	K042	K052	K073	K093	K103	K112	K125	K145	K159	K176
K006	K016	K025	K034	**K044**[R]	K060	K083	K094	K104	K113	K126	K147	K160	K177
K007	K017	K026	K035	**K045**[R]	K061	K084	K095	K105	K114	K131	K148	**K161**[R]	K178
K008	K018	**K027**[R]	K036	K046	K062	K085	K096	K106	K115	K132	K149	K169	K181
K009	K019	K028	K037	**K047**[R]	K064	K086	K097	K107	K116	K136	K150	K170	

DISCARDED COMMERCIAL CHEMICAL PRODUCTS, OFF-SPECIFICATION SPECIES, CONTAINER RESIDUE AND SPILL RESIDUES THEREOFF

P001	P010	P020	P030	P041	P050	P063	P072	P084	P096	P106	P116	P185	P198
P002	P011	P021	P031	P042	P051	P064	P073	P085	P097	P108	P118	P188	P199
P003	P012	P022	P033	P043	P054	P065	P074	P087	P098	P109	P119	P189	P201
P004	P013	P023	P034	P044	P056	P066	P075	P088	P099	P110	P120	P190	P202
P005	P014	P024	P036	P045	P057	P067	P076	P089	P101	P111	P121	P191	P203
P006	P015	P026	P037	P046	P058	P068	P077	P092	P102	P112	P122	P192	P204
P007	P016	P027	P038	P047	P059	P069	P078	P093	P103	P113	P123	P194	P205
P008	P017	P028	P039	P048	P060	P070	P081	P094	P104	P114	P127	P196	
P009	P018	P029	P040	P049	P062	P071	P082	P095	P105	P115	P128	P197	

U001	U020	U038	U058	U077	U095	U115	U133	U152	U170	U189	U210	U235	U353	U386
U002	U021	U039	U059	U078	U096	U116	U134	U153	U171	U190	U211	U236	U359	U387
U003	U022	U041	U060	U079	U097	U117	U135	U154	U172	U191	U213	U237	U364	U389
U004	U023	U042	U061	U080	U098	U118	U136	U155	U173	U192	U214	U238	U365	U390
U005	U024	U043	U062	U081	U099	U119	U137	U156	U174	U193	U215	U239	U366	U391
U006	U025	U044	U063	U082	U101	U120	U138	U157	U176	U194	U216	U240	U367	U392
U007	U026	U045	U064	U083	U102	U121	U140	U158	U177	U196	U217	U243	U372	U393
U008	U027	U046	U066	U084	U103	U122	U141	U159	U178	U197	U218	U244	U373	U394
U009	U028	U047	U067	U085	U105	U123	U142	U160	U179	U200	U219	U246	U375	U395
U010	U029	U048	U068	U086	U106	U124	U143	U161	U180	U201	U220	U247	U376	U396
U011	U030	U049	U069	U087	U107	U125	U144	U162	U181	U202	U221	U248	U377	U400
U012	U031	U050	U070	U088	U108	U126	U145	U163	U182	U203	U222	U249	U378	U401
U014	U032	U051	U071	U089	U109	U127	U146	U164	U183	U204	U223	U271	U379	U402
U015	U033	U052	U072	U090	U110	U128	U147	U165	U184	U205	U225	U277	U381	U403
U016	U034	U053	U073	U091	U111	U129	U148	U166	U185	U206	U226	U278	U382	U404
U017	U035	U055	U074	U092	U112	U130	U149	U167	U186	U207	U227	U279	U383	U407
U018	U036	U056	U075	U093	U113	U131	U150	U168	U187	U208	U228	U280	U384	U409
U019	U037	U057	U076	U094	U114	U132	U151	U169	U188	U209	U234	U328	U385	U410
														U411

STATE OF MICHIGAN WASTE CODES

001U	013U	027U	040U	052U	068U	080U	096U	110U	121U	137U	150U	162U	173U	001K
002U	014U	028U	041U	054U	070U	082U	097U	111U	122U	138U	151U	163U	174U	002K
003U	015U	029U	042U	055U	071U	083U	098U	112U	124U	139U	152U	164U	175U	
004U	016U	030U	043U	056U	072U	086U	099U	113U	127U	140U	153U	165U		
005U	017U	031U	044U	057U	073U	088U	100U	114U	128U	141U	154U	166U	001S	
006U	020U	032U	046U	058U	074U	089U	101U	115U	129U	142U	155U	167U	**002S**[W]	
007U	021U	033U	047U	059U	075U	090U	102U	116U	131U	143U	157U	168U	**003S**[W]	
008U	022U	034U	048U	061U	076U	092U	103U	117U	132U	144U	158U	169U	**004S**[W]	
009U	023U	036U	049U	063U	077U	093U	104U	118U	134U	146U	159U	170U	**005S**[W]	
011U	024U	037U	050U	064U	078U	094U	106U	119U	135U	147U	160U	171U	**006S**[W]	
012U	025U	038U	051U	065U	079U	095U	108U	120U	136U	148U	161U	172U	**007S**[W]	

[R] = Codes only received as treatment residues, spill residues, contaminated soil or debris and do not exhibit reactivity or ignitability characteristics.

[W] = Wayne Disposal, Inc. Site #2 Landfill (WDI) only. WDI is permitted to accept CAMU waste.

Appendix 21.

ISO Certificates

Certificate of Registration

This certifies that the Environmental Management System of

US Ecology Michigan

Wayne Disposal, Inc.and
Michigan Disposal Waste Treatment Plant
49350 N. I-94 Service Drive
Belleville, Michigan, 48111, United States

has been assessed by NSF-ISR and found to be in conformance to the following standard(s):

ISO 14001:2004

Scope of Registration:
Treatment and disposal of hazardous and non-hazardous waste.

ANAB ACCREDITED ISO/IEC 17021 MANAGEMENT SYSTEMS CERTIFICATION BODY

MEMBER OF MULTILATERAL RECOGNITION ARRANGEMENT IAF

Certificate Number:	6S202-EM8-6S216
Certificate Issue Date:	27-MAY-2015
Registration Date:	08-MAY-2015
Expiration Date *:	07-MAY-2018

Carl Blazik,
Director, Technical Operations &
Business Units, NSF-ISR, Ltd.

NSF International Strategic Registrations
789 North Dixboro Road, Ann Arbor, Michigan 48105 | (888) NSF-9000 | www.nsf-isr.org

Authorized Registration and /or Accreditation Marks. This certificate is property of NSF-ISR and must be returned upon request.
*Company is audited for conformance at regular intervals. To verify registrations call (888) NSF-9000 or visit our web site at www.nsf-isr.org

Certificate of Registration

This certifies that the Quality Management System of

US Ecology Michigan

Wayne Disposal, Inc.and
Michigan Disposal Waste Treatment Plant
49350 N. I-94 Service Drive
Belleville, Michigan, 48111, United States

has been assessed by NSF-ISR and found to be in conformance to the following standard(s):

ISO 9001:2008

Scope of Registration:
Treatment and disposal of hazardous and non-hazardous waste.

ANAB ACCREDITED ISO/IEC 17021 MANAGEMENT SYSTEMS CERTIFICATION BODY

MEMBER OF MULTILATERAL RECOGNITION ARRANGEMENT IAF

Certificate Number:	6S202-IS8-6S216
Certificate Issue Date:	27-MAY-2015
Registration Date:	08-MAY-2015
Expiration Date *:	07-MAY-2018

Carl Blazik,
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789 North Dixboro Road, Ann Arbor, Michigan 48105 | (888) NSF-9000 | www.nsf-isr.org

Authorized Registration and /or Accreditation Marks. This certificate is property of NSF-ISR and must be returned upon request.
*Company is audited for conformance at regular intervals. To verify registrations call (888) NSF-9000 or visit our web site at www.nsf-isr.org

Certificate of Registration

This certifies that the Occupational Health and Safety Management System of

US Ecology Michigan

Wayne Disposal, Inc.and
Michigan Disposal Waste Treatment Plant
49350 N. I-94 Service Drive
Belleville, Michigan, 48111, United States

has been assessed by NSF-ISR and found to be in conformance to the following standard(s):

OHSAS 18001:2007

Scope of Registration:
Treatment and disposal of hazardous and non-hazardous waste.

ACCREDITED ISO/IEC 17021 MANAGEMENT SYSTEMS CERTIFICATION BODY

Certificate Number:	6S202-OH7-6S216
Certificate Issue Date:	27-MAY-2015
Registration Date:	08-MAY-2015
Expiration Date *:	07-MAY-2018

Carl Blazik,
Director, Technical Operations &
Business Units, NSF-ISR, Ltd.

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 5
77 WEST JACKSON BOULEVARD
CHICAGO, IL 60604-3590

SEP 27 2013

REPLY TO THE ATTENTION OF:

CERTIFIED NO.: 7001 0320 0006 0185 5336
RETURN RECEIPT REQUESTED

Kerry Durnen
Director of Operations
Wayne Disposal, Inc.
49350 North I-94 Service Drive
Belleville, Michigan 48111-1854

Re: Final Federal TSCA Approval Modification,
Wayne Disposal, Inc., Belleville, Michigan

Dear Mr. Durnen:

Enclosed is the final federal Toxic Substances Control Act (TSCA) approval modification for Wayne Disposal, Inc.'s landfill in Belleville, Michigan. The approval is a chemical waste landfill approval to dispose of polychlorinated biphenyls (PCBs) issued pursuant to 40 C.F.R § 761.75 and replaces the approval issued on September 29, 2011.

On July 8, 2013, U. S. Environmental Protection Agency issued the draft federal Toxic Substances Control Act (TSCA) approval modification for Wayne Disposal, Inc.'s landfill in Belleville, Michigan for public comment. The draft federal TSCA approval was publicly noticed in the "The Belleville View" on July 3 and July 11, 2013. A copy of the draft federal TSCA approval was available for review at the Van Buren Township, 46425 Tyler Rd. Van Buren Twp, Michigan, 48111 and on the EPA website. In addition, EPA mailed fact sheets on the public comment period to community groups and individuals identified during Wayne Disposal's environmental justice analysis and community outreach activities. The public comment period was open through August 8, 2013, and EPA received no comments or meeting requests on the draft approval. As a result, EPA is now issuing Wayne Disposal, Inc., a final modified approval.

This approval may be withdrawn or further conditions may be added to it at any time the EPA has reason to believe that operation of the process represents an unreasonable risk of injury to human health or the environment. Withdrawal of this authorization or the imposition of further conditions may also result from future EPA rulemaking or development of guidance with respect to PCBs. Moreover, violation of any conditions included as part of this authorization may subject Wayne Disposal, Inc. to enforcement action and/or termination of this approval.

Recycled/Recyclable • Printed with Vegetable Oil Based Inks on 100% Recycled Paper (100% Post-Consumer)

It is the responsibility of you and your company, Wayne Disposal, Inc., to ensure that all applicable provisions of TSCA and the Federal PCB regulations are followed. Violation of any of the applicable provisions may be cause for rescission of this approval. Furthermore, this approval does not relieve Wayne Disposal, Inc., of the responsibility to comply with all other Federal, State and local regulations and ordinances for transportation, siting, operation and maintenance of its facility.

The EPA reserves the right for its authorized representatives to observe Wayne Disposal, Inc. disposal activities and inspect records which the company is required to maintain under the Federal PCB regulations and this approval during normal operation and at other reasonable times.

If you have questions concerning the final federal TSCA approval, please contact Karen Kirchner, of my staff, at (312) 353-4669.

Sincerely,

Margaret M. Guerriero
Director
Land and Chemicals Division

Enclosure

cc: Timothy Thurlow, EPA
Peter Quackenbush, MDEQ
Michael Tackas, WDI
Scott Maris, WDI

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 5

IN THE MATTER OF:	)	
	)	**CHEMICAL WASTE LANDFILL**
Wayne Disposal, Inc.,	)	**APPROVAL TO DISPOSE OF**
49350 North I-94 Service Drive,	)	**POLYCHLORINATED BIPHENYLS**
Belleville, Michigan 48111-1854,	)	**ISSUED PURSUANT TO**
MID 048 090 633	)	**40 C.F.R. § 761.75**
	)	
APPLICANT.	)	

AUTHORITY

This chemical waste landfill approval (Approval) is issued by the United States Environmental Protection Agency to Wayne Disposal, Inc. (WDI), pursuant to Section 6(e)(1) of the Toxic Substances Control Act (TSCA), 15 U.S.C. § 2605(e)(1), and the federal regulations for disposal of Polychlorinated Biphenyls (PCBs) at 40 C.F.R. § 761.75. This Approval replaces the September 29, 2011 Approval previously issued to WDI.

Section 6(e)(1)(A) of TSCA, 15 U.S.C. § 2605(e)(1)(A), requires that EPA promulgate rules to prescribe methods for the disposal of PCBs. The regulations at 40 C.F.R. § 761.75 require, among other things, that various types of PCBs and PCB Items be disposed of in chemical waste landfills approved by EPA for PCB disposal. 40 C.F.R. § 761.75(a) designates the Regional Administrator as the approval authority for such PCB disposal facilities. 40 C.F.R. § 761.75(b) sets out a number of technical requirements for PCB disposal facilities. 40 C.F.R. § 761.75(c) prescribes the process by which an owner or operator of a chemical waste landfill may obtain approval to dispose of PCBs.

EPA Headquarters Delegation 12-5 authorizes the re-delegation of approval authority for PCB disposal facilities from Regional Administrators to Regional Division Directors. Under EPA, Region 5 Delegation 12-5, dated October 22, 2007, the approval authority for PCB disposal facilities was delegated to the Director, Land and Chemicals Division (LCD), EPA, Region 5.

None of the information required to be maintained under or submitted pursuant to this Approval is subject to the requirements of the Paperwork Reduction Act, 44 U.S.C. § 3501, et seq., because such information is collected by EPA from WDI for the purpose of assuring compliance with this Approval.

EFFECTIVE DATES

This Approval is effective upon the date of signature of the Director of LCD, EPA, Region 5. WDI's authorization to dispose of PCBs and PCB Items in the WDI Landfill under this Approval will be valid for a period of five (5) years, unless such authorization is suspended or terminated, as provided herein, or unless the time period is modified by EPA. Upon signature by the Director, the issuance of this Approval shall be considered final agency action.

BACKGROUND

The WDI Landfill Site # 2, located at 49350 North I-94 Service Drive, Belleville, Michigan (WDI Landfill), is a 193-acre chemical waste landfill that is divided into Master Cells V, VI and VII. The WDI Landfill is owned and operated by Wayne Disposal, Inc. The Environmental Quality Company owns Wayne Disposal, Inc.

The WDI Landfill was originally authorized under authority granted by the Resource Conservation and Recovery Act (RCRA), as amended, 42 U.S.C. § 6901 et seq., and was operated pursuant to a RCRA Hazardous Waste Management Permit issued by EPA and a Hazardous Waste Management Facility Operating License issued by the predecessor agency to the Michigan Department of Environmental Quality (MDEQ). WDI Landfill Master Cells V and VII, which do not contain PCBs, have been filled and closed, and are currently in post-closure care.

On March 15, 1995, WDI, as lessee and operator of the Landfill, submitted an application to MDEQ for a Hazardous Waste Management Facility Operating License, pursuant to Part 111 of the Michigan Natural Resources and Environmental Protection Act, 1994 PA 451, as amended (Act 451), for Master Cell VI of the WDI Landfill.

On July 10, 1995, WDI, as lessee and operator of the Landfill, submitted an application to EPA for approval under 40 C.F.R. § 761.75, to dispose of PCBs and PCB-contaminated waste in Master Cell VI of the WDI Landfill.

On April 14, 1997, MDEQ issued a Hazardous Waste Management Facility Operating License to WDI for Master Cell VI of the WDI Landfill.

On April 14, 1997, EPA issued a TSCA Approval to WDI to allow the disposal of PCBs and PCB Items in Master Cell VI of the WDI Landfill. On December 23, 1998, the Approval was modified to reflect a transfer of ownership of the landfill property from the Ford Motor Company to WDI.

On August 24, 1999, WDI submitted an application to MDEQ requesting a major modification of the April 14, 1997, Hazardous Waste Management Facility Operating License for the WDI Landfill. WDI sought a modification of the Operating License to allow for a design change to expand the capacity of Master Cell VI by extending the cell both vertically and horizontally over closed Master Cell V.

APPROVAL

In accordance with 40 C.F.R. § 761.75 and the Findings above, EPA has determined that WDI's Application is consistent with TSCA, and that Master Cell VI of the WDI Landfill, when operated in compliance with the Conditions of Approval, does not present an unreasonable risk of injury to health or the environment from PCBs. Provided that the Conditions of Approval described above are met, WDI's April 18, 2012, request for an amended Approval is granted.

WDI is authorized to dispose of PCB waste in the remaining part of its previously approved and constructed four million three hundred twenty-five thousand (4.325 million) cubic yards of volume in Master Cell VI of the WDI Landfill, and may dispose of up to another eleven million seven hundred thirty thousand four hundred eighty (11.730480 million) cubic yards of PCB waste in Master Cell VI, including Subcells F and G, after these Subbcells are so constructed and certified by the MDEQ.

Date: September 27, 2013

Margaret M. Guerriero, Director
Land and Chemicals Division
United States Environmental Protection Agency
Region 5

New York State Department of Environmental Conservation
Division of Environmental Permits, Region 9
270 Michigan Avenue, Buffalo, New York 14203-2915
Phone: (716) 851-7165 · **Fax:** (716) 851-7168
Website: www.dec.ny.gov

Joe Martens
Commissioner

January 10, 2014

American Recyclers Co., Inc.
177 Wales Avenue
Tonawanda, New York 14150

Attention: Mr. Nick Halliday

Dear Permittee:

PERMIT TRANSMITTAL LETTER
AMERICAN RECYCLERS TRANSFER STATION
PERMIT NO 9-1416-00057/00001

Enclosed is your permit which was issued in accordance with applicable provisions of the Environmental Conservation Law. The permit is valid for only that project, activity or operation expressly authorized.

The DEC permit number and Program ID number, if applicable, should be retained for your records and should be referenced on all future correspondence and applications related to the permit. If modifications are desired after permit issuance, you must submit the proposed revisions and receive written approval from the Permit Administrator prior to initiating any change. If the Department determines that the modification represents a material change in the scope of the authorized project, activity, operation or permit conditions, you will be required to submit a new application for permit.

Please note the expiration date of the permit. Applications for permit renewal should be made well in advance of the expiration date (minimum of 30 days) and submitted to the Regional Permit Administrator at the above address. For SPDES, Solid Waste and Hazardous Waste Permits, renewals must be made at least 180 days prior to the expiration date.

PLEASE REVIEW ALL PERMIT CONDITIONS CAREFULLY. IN PARTICULAR, IDENTIFY YOUR INITIAL RESPONSIBILITIES UNDER THIS PERMIT IN ORDER TO ASSURE TIMELY ACTION IF REQUIRED. SINCE FAILURE TO COMPLY PRECISELY WITH PERMIT CONDITIONS MAY BE TREATED AS A VIOLATION OF THE ENVIRONMENTAL CONSERVATION LAW, **YOU ARE REQUESTED TO PROVIDE A COPY OF THE PERMIT TO THE PROJECT CONTRACTOR, FACILITY OPERATOR, AND OTHER PERSONS DIRECTLY RESPONSIBLE FOR PERMIT IMPLEMENTATION (IF ANY).**

If you have any questions, please contact this office at the above address.

Respectfully,
David S. Denk
Regional Permit Administrator

BAD:ldg
Enclosure
ecc: Mr. Dennis Weiss, Division of Materials Management, NYSDEC Region 9
Mr. Richard Clarkson, Division of Materials Management, NYSDEC Albany
Ms. Kristin Price, Ensol, Inc.

PERMIT
Under the Environmental Conservation Law (ECL)

Permittee and Facility Information

Permit Issued To:
AMERICAN RECYCLERS CO INC

177 WALES AVE
TONAWANDA, NY 14150-2507
(716) 695-6720

Facility:
AMERICAN RECYCLERS TRANSFER STATION
177 WALES AVE
TONAWANDA, NY 14150

Facility Location: in TONAWANDA in ERIE COUNTY
Facility Principal Reference Point: NYTM-E: 185.5 NYTM-N: 4769.9
Latitude: 43°01'00.1" Longitude: 78°51'33.6"
Authorized Activity: Operation of a solid waste management facility for the consolidation and transfer of non-hazardous industrial waste, used computer equipment, universal waste and other pre-approved wastes for shipment to off-site disposal, processing or recycling facilities.

Permit Authorizations

Solid Waste Management - Under Article 27, Title 7
Permit ID 9-1416-00057/00001

Renewal	Effective Date: 12/18/2007	Expiration Date: 12/17/2017
Modification # 1	Effective Date: 7/21/2008	Expiration Date: 12/17/2017
Modification # 2	Effective Date: 10/28/2009	Expiration Date: 12/17/2017
Modification # 3	Effective Date: 1/28/2010	Expiration Date: 12/17/2017
Modification # 5	Effective Date: 1/10/2014	Expiration Date: 12/17/2017

NYSDEC Approval

By acceptance of this permit, the permittee agrees that the permit is contingent upon strict compliance with the ECL, all applicable regulations, and all conditions included as part of this permit.

Permit Administrator: LISA PORTER, Deputy Regional Permit Administrator
Address: NYSDEC REGION 9 HEADQUARTERS
270 MICHIGAN AVE
BUFFALO, NY 14203 -2915

Authorized Signature: Lisa M. Porter Date 1/9/14

Distribution List

DENNIS WEISS
RICHARD E CLARKSON
Kristin Price

Permit Components

SOLID WASTE MANAGEMENT PERMIT CONDITIONS

GENERAL CONDITIONS, APPLY TO ALL AUTHORIZED PERMITS

NOTIFICATION OF OTHER PERMITTEE OBLIGATIONS

SOLID WASTE MANAGEMENT PERMIT CONDITIONS

1. **Permit Conflicts** If any condition of this permit conflicts with the approved report and plans identified in Solid Waste Management Permit Conditions 5 and 6 of this permit, the Solid Waste Management Permit Condition shall prevail.

2. **Emergency Reporting** In the event of an emergency, including but not limited to fires, explosion or on-site spills, the Regional Materials Mangement Engineer (RMME) shall be notified of the emergency within 24 hours of discovery. Oral reports due on weekends or holidays shall be made on the next business day. The details of the incident and the remediation or corrective action(s) taken shall be fully described in writing to the RMME within five working days of the event.

3. **Permit Applicability** This permit supersedes all previously issued Solid Waste Management Facility permits and permit modifications issued by the New York State Department of Environmental Conservation (Department) for this facility.

APPROVED DOCUMENTS AND WASTES

4. **Conformance With Plans** All activities authorized by this permit must be in strict conformance with the permit application, plans and materials prepared by (see Solid Waste Management Permit Conditions 5 and 6 of this permit) on (see Solid Waste Management Permit Conditions 5 and 6 of this permit).

5. **Approved Reports and Documents** The approved reports and documents for this facility include:

- 6 NYCRR Part 360 Permit Application Solid Waste Transfer Station, Engineering Report and Operations and Maintenance Manual prepared for American Recyclers Company Inc. by EnSol, Inc. Revised October 2013

6. **Approved Plans** The approved plans for this facility include:

Sheet #	Sheet Title	Date	Prepared by
Sheet # 1	American Recyclers Company Transfer Station - Facility Layout	August 2013	EnSol, Inc.
Attachment 1	Topographic Survey	October 30, 1995	Krehbiel Associates

7. **Acceptable Waste** The permittee is authorized to accept only the following types of waste; containerized, non-hazardous industrial waste including petroleum contaminated debris and soil, oils, coolants, water-based and non-flammable adhesives, paint skins, printing inks, resins, abrasives, spent heat treatment salts, glycols, furnace dust, shot blast, paint filters, universal waste batteries and lamps, used computer equipment, non-hazardous PCB electrical equipment, oil filters, RCRA empty containers and additional waste streams specifically identified by the NYSDEC non-hazardous waste codes listed in Attachment 5 of the Engineering Report and Operations and Maintenance Manual (see Solid Waste Management Permit Condition 5 of this permit) and as limited by Solid Waste Management Permit Condition 8 of this permit.

8. **Unacceptable Waste** The following wastes shall **not** be accepted at the facility;

- hazardous waste as defined in 6 NYCRR Part 371
- putrescible waste as defined in 6 NYCRR Part 360
- regulated medical waste as defined in 6 NYCRR Part 364
- radioactive waste as defined in 6 NYCRR Part 382
- construction and demolition debris as defined in 6 NYCRR Part 360
- asbestos waste as defined in 6 NYCRR Part 360
- any non-hazardous industrial waste which does not fit into the classifications (NYSDEC waste codes) referenced in Solid Waste Management Permit Condition 7 of this permit.

9. **Industrial Waste Applications** The permittee shall keep on file a copy of the written approval form and/or letter for each industrial waste stream handled at the facility, which notes that the specified waste has been accepted for disposal at a permitted facility. For disposal facilities located within New York State this approval shall generally be a completed Application for Treatment or Disposal of an Industrial Waste Stream, Form 47-19-7.

Additionally, for the industrial waste streams to be accepted at the facility, the permittee shall keep on file a Waste Profile Report (WPR) containing the following minimum waste characterization information:

- a completed/signed generator certification form which states that the waste being transferred to the permittee is non-hazardous; and
- a Materials Safety Data Sheet (MSDS) for all waste components; or
- analytical data showing the waste to be non-hazardous, (e.g. TCLP and hazardous characteristics data).

It is the responsibility of the permittee to obtain an updated Waste Profile Report of each waste stream accepted at the facility every three years, beginning from the date the waste was first approved. The facility Waste Approval Manager shall review this information in order to certify and approve the individual waste stream remain acceptable at the ARC facility. Copies of the recertification approval must be kept onsite for the Department's review upon request.

10. **Waste Approvals Manager** The facility Waste Approvals Manager is responsible for reviewing and formally approving all Waste Profile Reports for materials to be received into the facility. The Waste Approvals Manager must possess, at a minimum, a two year science degree from an accredited post secondary school, four years experience in the environmental services industry, and 40 hour OSHA hazardous materials training (updated annually). At the time of permit issuance, Mr. John Bohinc is the Waste Approvals Manager. A request for any future change in this position must first be submitted, along with the qualifications of the proposed Waste Approvals Manager, to the Department for review and approval.

11. **Waste Receipts** The approved design capacity for the facility is 200 tons per day. The approved design capacity is not a limit. The maximum waste receipts at the facility during any quarter shall not exceed 13,000 tons. Annual waste receipts at the facility shall not exceed 43,340 tons.

12. **Comprehensive Recycling Analysis** The permittee shall not receive at the facility solid waste which was generated within a municipality that has either not completed a Comprehensive Recycling Analysis (CRA) or is not included in another municipality's CRA satisfying the requirements of 6NYCRR Part 360-1.9(f). The CRA must be approved by the Department. The recyclables recovery program determined to be feasible by the analysis must be implemented.

OPERATIONS

13. **Hours of Operation** Normal deliveries of waste material are restricted to the hours of 7:00 am to 6:00 pm, Monday through Friday. On occasions of emergency or extenuating circumstances, waste may be received outside of these posted hours, but in every case an American Recyclers Co. employee who is qualified and trained in the QA/QC and waste acceptance procedures must be on duty. The permittee shall maintain a record of all waste material receipts delivered to the facility outside of the normal business hours of operation and this record must be available for review by Department staff.

14. **Waste Handling** All waste unloading, handling, consolidation and storage activities must occur within the confines of the transfer station building. The storage of mixed gasoline and water is permitted in one 4,400 gallon above ground storage tank outside the facility. QA/QC activities must be conducted within the designated, bermed QA/QC receiving area as shown on the building layout drawing referenced in Solid Waste Management Permit Condition 6 of this permit. The only exception to this requirement are waste deliveries which originate in Canada. QA/QC testing of these wastes may be completed both within the delivery vehicle and inside the ARC facility depending upon the need to gain access to all waste containers/drums. Additionally, wastes loads such as bulk liquid and solids, which will not be transferred to another tanker truck or roll-off container, may be sampled for QA/QC testing directly from the delivery vehicle.

15. **Handling of Computer Equipment** The facility may accept used waste computer equipment, including computers/CPUs, monitors, scanners, printers, drivers, keyboards and similar components for storage and transfer to a permitted RCRA recycling facility. This activity may be conducted in accordance with 6 NYCRR Part 371.1(g)(l)(iii)(b), which excludes scrap metal from regulation under 6 NYCRR Parts 372 through 374 and 376. Such management of the computer equipment is allowable provided that their scrap metal components are ultimately recycled/reclaimed. This requirement applies to each individual piece of computer equipment that would meet the definition of hazardous waste under 6 NYCRR Part 371.

The following conditions apply to the handling and transfer of the used computer equipment:

- The transport of the computer equipment must be conducted in accordance with all applicable requirements of Part 364.
- The used computer equipment must be stored and handled in containers that are sufficient to prevent the release of metal and other potential contaminants to the environment. This generally will require that computer components be received, stored and shipped from the facility in secure boxes, or at a minimum, securely bound and packaged in heavy duty shrink wrap.
- No recycling/reclamation of the computer equipment will take place at this facility.

  In Addition, the permittee must comply with all applicable requirements of the NYS Electronic Recycling and Reuse Act (ECL Article 27 Title 26).

16. **Waste Removal** All solid waste which is bulked and consolidated must be placed in a roll-off container which is lined with a suitable plastic liner in order to properly prevent any liquids from escaping during transport to the disposal facility.

17. **Ultimate Disposal of Waste** All solid waste passing through the facility must be ultimately treated or disposed of at a facility authorized by the Department if located in New York State or by the appropriate governmental agency or agencies if in other states, territories, or nations.

18. **Clean Time** A clean time must be observed at the end of each day of operation.

19. **Site Access** At the end of each day of operation, the facility must be locked and secured to prevent unauthorized access.

20. **Facility Sign** A sign, which clearly shows the hours of operation and types of waste accepted and not accepted must be located at the facility.

21. **Floor Resealing** At least annually, those areas of the facility which receive traffic or are otherwise exposed to wear shall be resurfaced with a penetrating sealer.

22. **Self Inspections** The facility manager, or designee, shall conduct a thorough inspection of the facility on a monthly basis, at a minimum. All processing equipment, work areas, waste handling, storage and loading areas, QA/QC testing equipment, spill response and fire control equipment and all other applicable areas and/or onsite equipment must be inspected. A written report, as contained in Attachment 6 of the Engineering Report and Operations and Maintenance Manual (see Solid Waste

Management Permit Condition 5 of this permit) must be completed and kept onsite. These reports must be readily available for review by Department staff.

23. **Complaints** Any complaints received by the permittee about the operation of this facility must be documented in a log book, with a description of action taken to alleviate the concern and the results of the action. Documentation must be available for review at the Department's request. Any operational changes deemed necessary by the Department to correct nuisance conditions must be implemented.

CLOSURE

24. **Site Closure** The permittee shall close the site prior to the expiration date of this permit or prior to the expiration of any renewals of this permit in accordance with the closure requirements in 6 NYCRR Part 360 and the approved closure plan.

REPORTING

25. **Annual Report** The permittee must prepare and keep daily records on file at the facility. An annual report must be submitted to the Department by March 1st of each year on forms provided by the Department (see attached) or electronically, as specified by the Department, and must contain the following:

- Amount of waste (by types identified on annual report form and as identified by the waste code referenced in Solid Waste Management Permit Condition 7 of this permit) received from each New York State County, from each state, and from outside of the country.
- Disposal location(s) for each type of waste identified in the annual report form.
- Unusual events or accidents at the facility and responses taken by facility personnel.
- Any changes from the approved plans, report or permit along with a justification for the change.
- A summary and record of unauthorized wastes brought to the facility and their disposition.
- An updated cost estimate for closure activities to reflect inflation and/or any changes that may impact closure.

26. **Report Submission** All quarterly and annual reports shall be submitted to the following:

NYSDEC
Division of Materials Management
Bureau of Permitting & Planning
625 Broadway
Albany, New York 12233-7253

NYSDEC
270 Michigan Avenue
Buffalo, New York 14203-2915
Attn: Regional Materials Mangement Engineer

FINANCIAL SURETY

27. **Financial Surety Instrument** The permittee shall maintain a surety instrument, acceptable to the RSME, that complies with 6 NYCRR Part 360-1.12 to assure the proper closure of the facility. At the time of permit issuance, the approved closure cost estimate is $87,774.50

28. **Revised Surety** Within 60 days of Department approval of the revised closure cost estimate submitted with the annual report (see Solid Waste Management Permit Condition 25 of this permit), a revised financial surety(s) shall be submitted (if necessary) to the RSME.

GENERAL CONDITIONS - Apply to ALL Authorized Permits:

1. **Facility Inspection by The Department** The permitted site or facility, including relevant records, is subject to inspection at reasonable hours and intervals by an authorized representative of the Department of Environmental Conservation (the Department) to determine whether the permittee is complying with this permit and the ECL. Such representative may order the work suspended pursuant to ECL 71- 0301 and SAPA 401(3).

The permittee shall provide a person to accompany the Department's representative during an inspection to the permit area when requested by the Department.

A copy of this permit, including all referenced maps, drawings and special conditions, must be available for inspection by the Department at all times at the project site or facility. Failure to produce a copy of the permit upon request by a Department representative is a violation of this permit.

2. **Relationship of this Permit to Other Department Orders and Determinations** Unless expressly provided for by the Department, issuance of this permit does not modify, supersede or rescind any order or determination previously issued by the Department or any of the terms, conditions or requirements contained in such order or determination.

3. **Applications For Permit Renewals, Modifications or Transfers** The permittee must submit a separate written application to the Department for permit renewal, modification or transfer of this permit. Such application must include any forms or supplemental information the Department requires. Any renewal, modification or transfer granted by the Department must be in writing. Submission of applications for permit renewal, modification or transfer are to be submitted to:

Regional Permit Administrator
NYSDEC REGION 9 HEADQUARTERS
270 MICHIGAN AVE
BUFFALO, NY14203 -2915

4. **Submission of Renewal Application** The permittee must submit a renewal application at least 180 days before permit expiration for the following permit authorizations: Solid Waste Management.

5. **Permit Modifications, Suspensions and Revocations by the Department** The Department reserves the right to exercise all available authority to modify, suspend or revoke this permit. The grounds for modification, suspension or revocation include:

a. materially false or inaccurate statements in the permit application or supporting papers;

b. failure by the permittee to comply with any terms or conditions of the permit;

c. exceeding the scope of the project as described in the permit application;

d. newly discovered material information or a material change in environmental conditions, relevant technology or applicable law or regulations since the issuance of the existing permit;

e. noncompliance with previously issued permit conditions, orders of the commissioner, any provisions of the Environmental Conservation Law or regulations of the Department related to the permitted activity.

6. **Permit Transfer** Permits are transferrable unless specifically prohibited by statute, regulation or another permit condition. Applications for permit transfer should be submitted prior to actual transfer of ownership.

NOTIFICATION OF OTHER PERMITTEE OBLIGATIONS

Item A: Permittee Accepts Legal Responsibility and Agrees to Indemnification
The permittee, excepting state or federal agencies, expressly agrees to indemnify and hold harmless the Department of Environmental Conservation of the State of New York, its representatives, employees, and agents ("DEC") for all claims, suits, actions, and damages, to the extent attributable to the permittee's acts or omissions in connection with the permittee's undertaking of activities in connection with, or operation and maintenance of, the facility or facilities authorized by the permit whether in compliance or not in compliance with the terms and conditions of the permit. This indemnification does not extend to any claims, suits, actions, or damages to the extent attributable to DEC's own negligent or intentional acts or omissions, or to any claims, suits, or actions naming the DEC and arising under Article 78 of the New York Civil Practice Laws and Rules or any citizen suit or civil rights provision under federal or state laws.

Item B: Permittee's Contractors to Comply with Permit
The permittee is responsible for informing its independent contractors, employees, agents and assigns of their responsibility to comply with this permit, including all special conditions while acting as the permittee's agent with respect to the permitted activities, and such persons shall be subject to the same sanctions for violations of the Environmental Conservation Law as those prescribed for the permittee.

Item C: Permittee Responsible for Obtaining Other Required Permits
The permittee is responsible for obtaining any other permits, approvals, lands, easements and rights-of-way that may be required to carry out the activities that are authorized by this permit.

Item D: No Right to Trespass or Interfere with Riparian Rights

This permit does not convey to the permittee any right to trespass upon the lands or interfere with the riparian rights of others in order to perform the permitted work nor does it authorize the impairment of any rights, title, or interest in real or personal property held or vested in a person not a party to the permit.