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April 3, 2008

Ms. Alicia Thorne, P.E. NYS Dept. of Environmental Conservation, Region 5 1115 NYS Route 86, PO Box 296 Ray Brook, New York 12977-0296

### Re: Work Plan Modification and Approval (Revised May 29, 2008) Pan American Tannery Remedial Investigation (ERP Site No. B00175) City of Gloversville, Fulton County, New York C.T. Male Project No. 04.9109

Dear Alicia,

This letter modifies and updates the previously submitted draft Remedial Investigation (RI) Work Plan dated October 26, 2005 that was submitted to the Department in December 2005. The RI Work Plan approval was tabled until the Interim Remedial Measures (IRM) activities were complete, mainly due to poor structural conditions of the building and abandoned waste that limited the implementation of the RI field work. C.T. Male has completed the IRM activities associated with the Pan American Tannery Environmental Restoration Program (ERP) project, and have submitted the IRM Report to the Department under separate cover. The IRM activities completed included tank closure and waste removal, and building demolition and asbestos abatement relative to the main tannery building (referred to as Building #1). Prior to or as a function of the IRM activities certain investigative tasks described in the RI Work Plan have already been completed. These activities include the site boundary survey (Section 3.3.1), site reconnaissance (Section 3.3.2), inventory of waste materials containers (Section 3.3.3), evaluation of the wastewater pre-treatment plant (Section 3.3.6), evaluation of building materials, except asbestos (Section 3.3.7), asbestos containing material survey (Section 3.3.8), and interim remedial measure sampling (Section 3.3.9). Further information regarding the findings of the IRM activities is described in the NYSDEC approved IRM Report which is available in the project repositories.

Prior to seeking final approval from the Department for the RI Work Plan, modifications to the RI Work Plan are warranted now that the IRM activities are complete and as a result of a better understanding of the project site conditions. The modifications to the October 25, 2005 work plan (enclosed) are explained herein, which also describe the State regulation changes which affect the applicable regulatory Standards, Criteria and Guidance (SCGs). The goal of this submission is to modify the RI Work Plan by incorporating the findings of the IRM work that was completed on-site

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along with incorporating the revised regulations and cleanup criteria. Department approval of these necessary updates and modifications is requested.

The RI Work Plan dated October 26, 2005 is hereby modified as explained in the following paragraphs:

#### Drum Storage Area

An area in the extreme northwest corner of Building #1 contained numerous empty drums. When the empty drums were removed during the tank closure and waste removal work, it was noted that a few drums still contained waste and a couple had leaked onto the concrete floor slab. The consistency of the leaked material was tar-like (almost solidified), and was assumed to be No. 6 fuel oil. The oily material on the floor was contained on three sides by the above ground concrete foundation walls to the building. It did not appear to extend beyond the floor slab where there is no above ground concrete wall. The empty, full and partially full drums in this area of the building were removed and over-packed and disposed of with the other waste removed from the project site. The majority of the tar-like material was removed by manual means (i.e., shovels and scrapers) and properly disposed of off-site. As part of the building demolition, the heavily stained concrete floor was removed and disposed of at Fulton County Landfill, however, there was staining observed along the joints between the concrete floor and walls that would suggest the potential for subgrade soil impacts.

The RI Work Plan is hereby modified to include further evaluation of the potential for impacts to soil in the localized area where the stained concrete was removed. This will be accomplished by performing a visual assessment using hand digging and soil screening with a photo-ionization detector to determine the extent of oil stained soil. Based on the findings of the visual assessment, one soil sample will be collected and analyzed from the area of highest subjective evidence of impacts, if any, and analyzed for the surface soil sampling parameters. This will be accomplished by relocating surface soil sample SS-5 to this area, as shown on the revised Figure 9, Proposed Sampling Locations within the work plan.

#### **Transformers**

Twelve transformers were removed from the site as part of the Tank Closure and Waste Removal Contract. The oils within the transformers were field tested by Precision Industrial Maintenance for shipment and then tested by the disposal facility. The analysis of the transformer oils revealed non-detect to 8,608 ppm of PCBs to be present. Only one of the twelve transformers was nearly empty of oil, with the rest nearly full of

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oil. The nearly empty transformer was staged by the previous site occupants on the ground surface close to the 20,000 gallon No. 6 fuel oil tank (outside on an unpaved surface). Surficial staining was not observed on the ground surface around the empty transformer.

Although there was no evidence of staining observed on the ground surface around the empty transformer, it remains unclear whether or not the transformer oil was properly drained or discharged/leaked where the transformer was staged or formerly located. Therefore, the RI Work Plan is hereby modified to relocate surface soil sample SS-11 to the area where this transformer was formerly staged, as shown on the revised Figure 9, Proposed Sampling Locations within the work plan. Field measurements of the former location of the transformer in question were collected and are maintained in our files for locating the sample. Proposed soil samples SS-6 and SS-7 will remain and will assess the potential for impacts where the transformers were assumed to be mounted.

#### NYSDEC Spill No. 0751076

As part of the Building Demolition and Asbestos Abatement work, a chain link fence was installed around the perimeter of the work area. During the drilling for the fence posts on November 6, 2007 Bianchi Industrial Services, LLC reported to C.T. Male that petroleum odors were observed on the soil cuttings in more than one drilled hole, northwest of Building #1. C.T. Male required Bianchi to notify NYSDEC of the petroleum finding and Spill No. 0751076 was assigned. The drilling cuttings with petroleum odor were placed in two 55-gallon steel drums for characterization and disposal. The drums were staged in one of the buildings and will remain on-site and characterized/disposed together with the investigation derived waste generated during the RI. The approximate area of petroleum odors in soil is shown on the revised Figure 9, Proposed Sampling Locations within the work plan.

Per the Department's request, a composite soil sample was collected on November 7, 2007 from the soil cuttings of three individual fence post holes and subjected to laboratory analysis for the NYSDEC STARS list of volatile and semi-volatile organic compounds by EPA Method 8260 and 8270, respectively. The laboratory of record, Chemtech of Mountainside, New Jersey, performed the laboratory analysis, the results of which are summarized in the following table.

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Summary Table of Analytical Detections							
Compound	Fence Posts	NYSDEC TAGM 4046	NYSDEC Part 375				
	Composite	<b>Recommended Soil</b>	Unrestricted Use				
	Soil Sample	Cleanup Objective Values	SCGs				
Volatile Organic Compounds by EPA Method 8260 (mg/kg or ppm)							
Ethylbenzene	0.15	5.5	1				
m/p-Xylenes	0.14	1.2	0.26				
Isopropylbenzene	0.39	2.3	No Standard				
n-Proprylbenzene	0.59	10	3.9				
1,3,5-	4.3 E	3.3	8.4				
Trimethylbenzene							
Tert-Butlybenzene	0.28	10	5.9				
Volatile Organic Compounds by EPA Method 8260 (mg/kg or ppm) (continued)							
1,2,4-	4.3 E	10	3.6				
Trimethylbenzene							
sec-butylbenzene	1.1 E	10	11				
p-Isopropyltoluene	2.8 E	10	No Standard				
n-Butylbenzene	1.6 E	10	12				
Naphthalene	0.44 E	13	12				
Semi-volatile Organic Compounds by EPA Method 8260 (mg/kg or ppm)							
Naphthalene	0.67 J	13	12				
Phenanthrene	0.092 J	50	0.1				
Fluoranthene	0.1 J	50	0.1				
Pyrene	0.1 J	50	0.1				
Benzo(b)fluoranthene	0.064 J	0.22	1				

Notes:

"J" indicates an estimated value.

"E" indicates the analyte's concentration exceeds the calibrated range of the instrument for that specific analysis.

For comparison, NYSDEC TAGM 4046 Recommended Soil Cleanup Objective Values and NYSDEC Part 375 Unrestricted Use Values are presented in the summary table above. Although the concentrations of detected compounds are relatively low, the source of these detections remains unknown, and the horizontal and vertical extent of the petroleum odor was not evaluated. Therefore, further investigation is warranted as

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part of the RI. This will be accomplished by adjusting the locations of three surface soil sampling locations and one monitoring well location as detailed below:

- Surface soil samples SS-3 and SS-4 was moved to the area near where the petroleum odors were observed to determine the potential horizontal extent. The revised locations are shown on the revised Figure 9, Proposed Sampling Locations.
- Surface soil sample SS-2 was moved easterly to fill in the potential data gap left be relocating surface soil samples SS-3 and SS-4.
- Monitoring well MW-2 was moved to the area where the petroleum odors were observed, and centrally located to evaluate the potential groundwater impacts from these findings.

The revised locations are shown on the revised Figure 9, Proposed Sampling Locations within the work plan.

#### Wastewater Pre-treatment Plant

The contents of the wastewater treatment plant (wastewater and sludge) have been sampled and analytically characterized. On May 30, 2006, the analytical results for the waste water were presented to the Gloversville-Johnstown Joint Wastewater Treatment Facility, and the analytical results for the sludge were presented Fulton County Department of Solid Waste (i.e., landfill). Because the wastewater analytical results were below all of the Gloversville Sewer Use Law parameters, and the information provided to the landfill was acceptable, these agencies have granted approval to discharge the wastewater to the sewer and the sludge to the landfill with certain restrictions. These approvals are documented in the attached correspondences from Gloversville-Johnstown Joint Sewer Board dated June 12, 2006, and from Fulton County Department of Solid Waste dated June 15, 2006. As such, the emptying and cleaning of the wastewater pre-treatment plant within Building #6 will be addressed as part of the remedial investigation activities.

#### **Regulation Change**

During the course of this project, the revised 6 NYCRR Part 375 Regulations were promulgated and made effective December 14, 2006. As referenced in Section 1.2 of the RI Work Plan, one of the New York State SCGs for this project, specifically soil cleanup, was NYSDEC Division Technical and Administrative Guidance Memorandum, (TAGM) HWR-94-4046, Determination of Soil Cleanup Objectives and Cleanup Levels,

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dated January 24, 1994, with associated revisions. This SCG has been superseded by the December 14, 2006 6 NYCRR Part 375 regulations, specifically the target cleanup values for soil under an "unrestricted use" scenario. Therefore, the SCGs for soil for this project will be as listed in Table 375-6.8(a), Unrestricted Use Soil Cleanup Objectives. The SCGs for media other than soil remain unchanged by this modification.

#### **Schedule**

The tentative project work schedule has been updated and presented in Appendix B of the work plan. The schedule presents the major work task items to be completed starting with the submission of this work plan, through the NYSDEC Record of Decision. It is planned to initiate the first phase of field work the week of April 21, 2008 if approval from NYSDEC is granted by the week of April 14, 2008. On the basis of this planned schedule the Draft RI/AA report should be submitted by the end of August 2008. The final aspect of the project, the Record of Decision is anticipated in December 2008.

#### **Contacts**

Some of the contacts for this project have changed since the preparation of the original RI Work Plan. Specifically, Table 4.1-1 of the Citizen's Participation Plan (Exhibit 4 of the RI Work Plan) is updated below:

Table 4.1-1: Public Agency Contacts					
	City of Gloversville Contacts				
Robert Abel City Hall, 3 Frontage Road, (510) 772 45					
Municipal Project Manager	Gloversville, New York 12078-2897	(516) 775-4556			
NYS Departm	NYS Department of Environmental Conservation Contacts				
Mg Alicia Thorno	Bureau of Spill Prevention and				
DEC Project Manager	Response, 232 Hudson Street, PO Box	(518) 623-1238			
DEC I Toject Manager	220, Warrensburg, New York 12885				
Mr. Russell Huyek, D.F.	Division of Environmental				
Regional Engineer	Remediation, Route 86, P.O. Box 296,	(518) 897-1242			
	Ray Brook, New York 12977-0296				
NYS Department of Health Contacts					
Mr. Ian Ushe	Division of Environmental Health				
NYSDOH Regional Project	Investigation, 547 River Street, Troy,	(518) 402-7500			
Manager	New York 12180,				

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Another notably change in the contacts referenced in the Citizen's Participation Plan is the current mayor. The Honorable Frank LaPorta has been replaced with the Honorable Timothy Hughes.

Closing

The modifications to the RI Work Plan described herein, as requested by NYSDEC, should provide a summary of the necessary changes to the work plan without revising the October 26, 2005 RI Work Plan, as requested of NYSDEC. This work plan along with the separately submitted IRM Report should provide the basis for the Department's approval of the RI Work Plan.

C.T. Male looks forward to moving forward on the remedial investigation. In the interim, C.T. Male will solicit bids for the drilling activities as the drilling bids received in 2004 are outdated and the scope has changed. In addition, Chemtech, the lab of record for this project, will be contacted to determine they will still honor the pricing provided in 2004 considering it is more than four years old. If Chemtech does not honor the pricing, bids for analytical services will again be solicited.

If you have any questions please feel free to give me a call at (518) 786-7548.

Sincerely,

C.T. MALE ASSOCIATES, P.C.

Jeffrey A. Marx, P.E. Project Engineer

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c: Kirk Moline, C.T. Male Ian Ushe, NYSDOH, Flanigan Square

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### Scope of Work Related Analyses (Revised May 29, 2008) Pan American Tannery Site, Gloversville, New York C.T. Male Project No.: 04.9109

		Madia and/an Danth	Total Number of	PROPOSED ANALYSIS						
Sample Origin	Location	Interval (Inches)	Samples	TCL VOCs	TCL SVOCS	TCL Pest/PCBs	TAL Metals	NYSDOH 310-34	ТРН	
	SS1 to SS11	Soil at 0-2	11	х	Х	Х	х		х	
Surface Soil	Off-SS1 to Off-SS11	Soil at 0-2 and 6-12	22	х	х	Х	х		х	
	Bckgrd-SS1 to Bckgrd-SS5	Soil at 0-2	5				х			
Test Borings	MW-1 through MW-12	Soil at depth to be determined <sup>(2)</sup>	12	х	х	х	х		х	
Monitoring Wells	MW-1 through MW-12	Groundwater	12	x	x	Х	х	х		
Mill Crook	SW-1 through SW-5	Surface Water	5	х	х	х	Х			
Will Oleek	SED-1 through SED-5	Sediment	5	х	х	x	х			

Notes:

<sup>(1)</sup> The number of asbestos samples are dependent on the findings of the site walkover.

<sup>(2)</sup> The depth interval above the water table to be sampled will be based on the PID readings at the time of completion.

#### TABLE 3.4-1 (Revised May 29, 2008)

#### SUMMARY OF SAMPLING AND LABORATORY ANALYSES AND QUALITY CONTROL CHECKS PAN AMERICAN TANNERY, GLOVERSVIILE, NEW YORK

MATRIX	SURFACE SOIL	BACKGROUND SOIL	MILL CREEK SURFACE WATER	MILL CREEK SEDIMENT	SUBSURFACE SOIL	GROUNDWATER	SUBSURFACE SOIL TO BE PLACED ON HOLD FOR POSSIBLE ANALYSIS
LABORATORY ANALYSES <sup>(1)</sup>	TPH, TCL ORGANICS & TAL METALS	TAL METALS	TCL ORGANICS & TAL METALS	TCL ORGANICS & TAL METALS	TPH, TCL ORGANICS & TAL METALS	NYSDOH 310-34, TCL ORGANICS & TAL METALS	TAL METALS
Number of Samples to be Collected/Analyzed	33	5	5	5	12	12	108
Number of Field Replicate Samples <sup>(2)</sup>	2	1 (4)	1	1	1	1	5
Number of Matrix Spike/ Matrix Spike Duplicates <sup>(2)</sup>	2	1 (4)	1	1	1	1	5
Number of Equipment/ Field Blanks <sup>(2)</sup>	2	1 (4)	1	1	1	1	5
Number of Transport Blanks	2 (For Equip. Blank)	1 <sup>(4)</sup> (For Equip. Blank)	1	1 (For Equip. Blank)	1 (For Equip. Blank)	1 <sup>(3)</sup>	0

Notes:

<sup>(1)</sup> Laboratory analyses will be performed within the NYSDEC ASP (Revised June 2000) holding times.

<sup>(2)</sup> The sampling rate will be a minimum of one for every 20 samples per media (i.e., soil, water, etc.) submitted to the laboratory.

<sup>(3)</sup> One transport blank will be submitted per set of samples submitted to the laboratory for volatile analyses of water samples.

<sup>(4)</sup> No QC samples listed as these samples will be collected and submitted to the lab with the surface soil samples, which already includes QC samples.

Field parameters consist of pH, specific conductivity, turbidity and temperature and will be taken for groundwater samples only.

TAL denotes Target Analyte List; TCL denotes Target Compound List; and TPH denotes Total Petroleum Hydrocarbons.

TCL Organics includes analysis for volatile organic compounds, semi-volatile organic compounds, pesticides and PCBs.







1. THE LOCATIONS AND FEATURES DEPICTED ON THIS MAP ARE APPROXIMATE AND DO NO REPRESENT AN ACTUAL FIELD SURVEY. 2. SAMPLING LOCATIONS MAY BE FIELD ADJUSTED TO ACCOMODATE FOR BURIED UTILITIES OF IN ACCESSIBLE AREAS OF THE SITE. 3. THE LOCATION OF MILL CREEK WAS APPROXIMATED FROM A 2001 AERIAL PHOTOGRAPH AND MAY NOT BE ACCURATE.

# MAP REFERENCE

1. BOUNDARY SURVEY, DWG. NO. 04—600, PAN AMERICAN TANNERY CORPORATION, PREPARED BY C.T. MALE ASSOCIATES, P.C., OF LATHAM, NEW YORK, DATED JUNE 17, 2004, LAST REVISED AUG. 28, 2004.

NONE

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"ONLY COPIES OF THIS MAP SIGNED IN RED INK AND EMBOSSED WITH THE SEAL OF AN OFFICER OF C.T. MALE ASSOCIATES, P.C. OR A DESIGNATED REPRESENTATIVE SHALL BE CONSIDERED TO BE A VALID TRUE COPY".

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						CHECKED : K.MOLINE
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# NOTES

1. THE LOCATIONS AND FEATURES DEPICTED ON THIS MAP ARE APPROXIMATE AND DO NO REPRESENT AN ACTUAL FIELD SURVEY. 2. SAMPLING LOCATIONS MAY BE FIELD ADJUSTED TO ACCOMODATE FOR BURIED UTILITIES OF IN ACCESSIBLE AREAS OF THE SITE. 3. THE LOCATION OF MILL CREEK WAS APPROXIMATED FROM A 2001 AERIAL PHOTOGRAPH AND MAY NOT BE ACCURATE.

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COUNTY OF FULTON, NEW YORK

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FIGURE 9 PROPOSED SAMPLING LOCATIONS
PAN AMERICAN TANNERY NYS ERP REMEDIAL INVESTIGATION PROJECT

50 CENTURY HILL DRIVE, P.O. BOX 727, LATHAM, NY 12110 518.786.7400 \* FAX 518.786.7299

ARCHITECTURE & BUILDING SYSTEMS ENGINEERING \* CIVIL ENGINEERING ENVIRONMENTAL SERVICES \* SURVEY & LAND INFORMATION SERVICES

	(49.5" RIGHT OF WAY)
O <sup>SS-1</sup>	PROPOSED SURFACE SOIL SAMPLE LOCATION
OFF-SS2	PROPOSED OFF-SITE SURFACE SOIL SAMPLE LOCATION
BCKGRD-SS5	PROPOSED BACKGROUND SURFACE SOIL SAMPLE LOCATION
● <sup>MW-1</sup>	PROPOSED MONITORING WELL LOCATION
SW−1 & SED−1 ⊗	PROPOSED SURFACE WATER AND SEDIMENT SAMPLE LOCATION
WWTP-1	PROPOSED WASTE WATER TREATMENT PLANT COMPARTMENT LIQUID AND SLUDGE SAMPLE LOCAT

SW-5 & SED-5

BUILDING

CITY OF GLOVERSVILLE

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