

Jackson, Hylton [DNR]

From: Jackson, Hylton [DNR]
Sent: Wednesday, July 29, 2009 12:58 PM
To: 'Sroonian, Sandra'
Cc: Bernstein, Paul
Subject: RE: Conference call Wednesday at 1:00 PM

CON 12-15
Doc # 21270

Sandra and Paul,

I am finally getting around to the email recap of last weeks conference call about the proposed sampling locations for the additional assessment at Loparex in Iowa City. As I recall we discussed:

Groundwater sampling – I approved the proposed location of the northeastern well and suggested that a well also be placed in the landscaped area northwest of the existing USTs. These wells would be installed with a Geoprobe. We also discussed the need for a deep well to define vertical extent. As I understand it, you would install a double cased well for this with a rotary rig and we will determine the location after reviewing the results of the next round of sampling. It would be advisable to collect groundwater samples from MAC1, MAC4, MAC7, MAC11, MAC13 and analyze the samples for OA-1 and OA-2. Collect groundwater samples from each of the newly installed wells and analyze them for VOCs with method 8260. We will, pending results, use this data to hopefully define the horizontal extent of the groundwater contamination, determine which wells we want to include in the compliance monitoring schedule, and determine the location of the deep well.

Soil sampling - To define the PAHs in soil we may want to spread the sample pattern a little beyond the proposed area. Keep in mind the objective is to horizontally and vertically define the affected area down to the Statewide Standard. This may not require many additional samples (with the exception of installing a deep boring in each of the two areas – near SB3 and SB5). Due to the difficulty of installing borings in the storm water basin at the northern area, samples may be collected around the perimeter of the basin.

Please submit a brief work plan detailing the sample locations, a site map with proposed locations will due. Also, please advise the Department of your sampling schedule, once determined, and if time permits I may try to get there for a site visit. Please contact me with any questions or comments.

Hylton

From: Sroonian, Sandra [mailto:SLSROONIAN@mactec.com]
Sent: Tuesday, July 21, 2009 2:35 PM
To: Jackson, Hylton [DNR]
Cc: Bernstein, Paul
Subject: Conference call Wednesday at 1:00 PM

Dear Hylton,

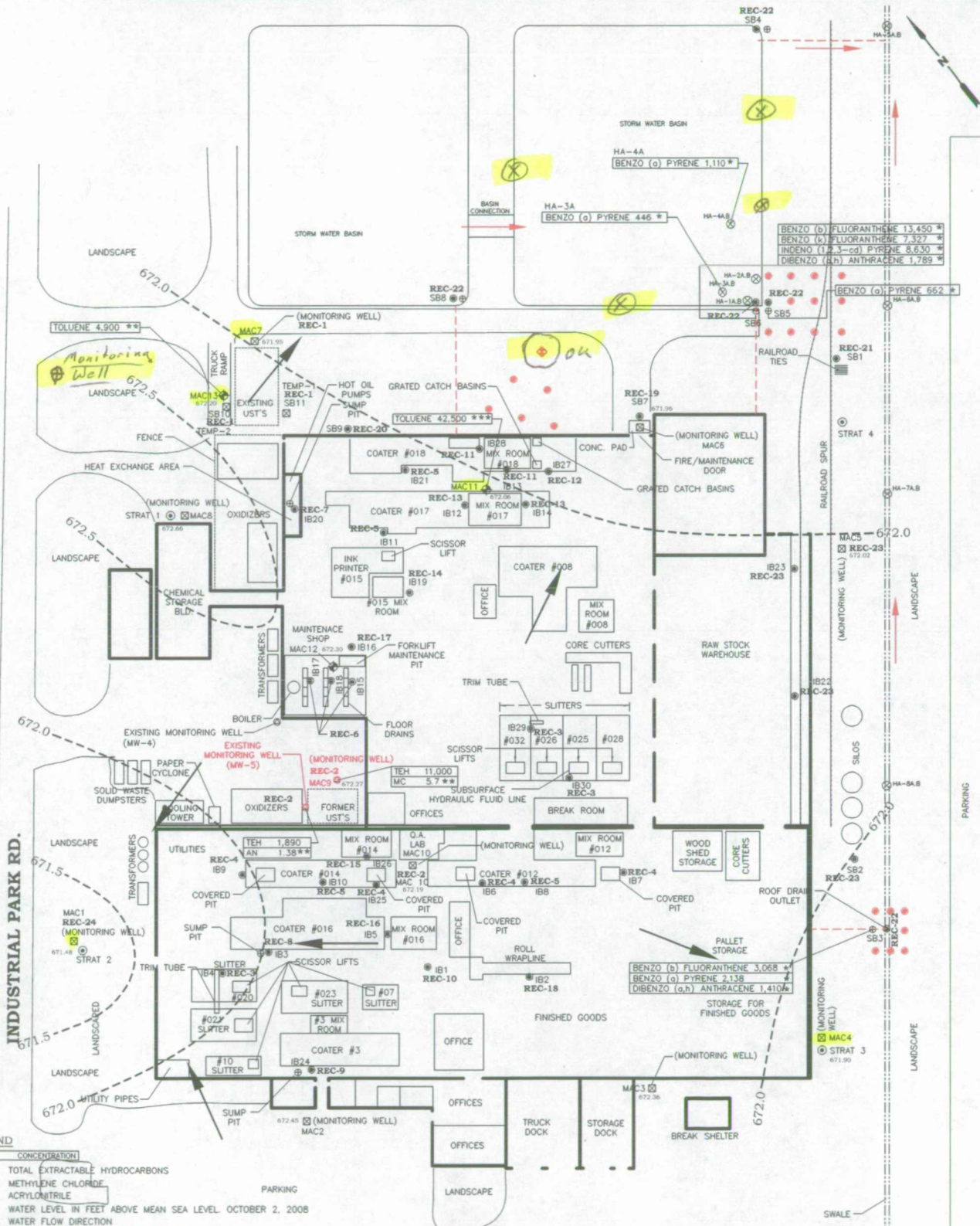
To aid in our discussion tomorrow, I am sending the attached figure showing proposed soil sampling and monitoring well locations,

If you need to get a hold of us before the call, give me a call on my cellular phone at 773-230-6057.

Regards,

Sandra Sroonian <<Proposed Sampling Locations 3205090967 fig-6.pdf>>

7/21/2009 2:20 PM P:\Envi\3205090967\4.0 Project Deliverables\4.3 Drawings\3205090967-fig-6.dwg Fig-6



LEGEND

ANALYTE	CONCENTRATION
TEH	TOTAL EXTRACTABLE HYDROCARBONS
MC	METHYLENE CHLORIDE
AN	ACRYLONITRILE
672.66	WATER LEVEL IN FEET ABOVE MEAN SEA LEVEL OCTOBER 2, 2008
- - -	WATER FLOW DIRECTION
---	APPROXIMATE POTENTIOMETRIC CONTOUR
○	RECOGNIZED ENVIRONMENTAL CONDITION
●	MACTEC 2005 SOIL AND GROUNDWATER SAMPLE LOCATION
○	SUBSURFACE SOIL SAMPLE LOCATION
○	GROUNDWATER SAMPLE LOCATION
○	MACTEC 2005 SURFACE SOIL SAMPLE
○	MACTEC 2008 SURFACE SOIL SAMPLE
○	MACTEC 2008 MONITORING WELL LOCATION
○	MACTEC 2008 DEEP GEOPROBE BORING LOCATION
*	SOIL RESULT EXCEEDS STATEWIDE STANDARDS
**	GROUNDWATER RESULT EXCEEDS CHAPTER 137 PROTECTED GROUNDWATER STANDARD
***	GROUNDWATER RESULT EXCEEDS CHAPTER 137 NON-PROTECTED GROUNDWATER STANDARD

ALL UNITS ARE MICROGRAMS PER KILOGRAMS FOR SOIL & MICROGRAMS PER LITER FOR GROUNDWATER

PROPOSED SAMPLING LOCATIONS

- ◆ - RECOMMENDED DOWNGRAIDENT MONITORING WELL LOCATION & SAMPLE FOR VOC'S (USEPA METHOD 8260)
- - RECOMMENDED DELINEATION GEOPROBE BORING LOCATION (SAMPLE DEPTHS 0-0.5' & 2'-3' FOR PNA'S BY USEPA METHOD 8270)
- - GROUNDWATER SAMPLING OF EXISTING MONITORING WELL FOR VOC'S (USEPA METHOD 8260)
- - - UNDERGROUND ROOF DRAIN PIPE
- SURFACE WATER FLOW DIRECTION



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Soil & Groundwater Findings Map
with Recommendations
Loparex, Inc.
2000 Industrial Park Road
Iowa City, Iowa

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