Photo Number: IMGP0001 Photographer: M. Hamre
Date/Time: 5/5/2011 9:20:20 AM
Description: Wilputte coke oven gas (COG) crossover

Photo Number: IMGP0002 Photographer: M. Hamre
Date/Time: 5/5/2011 9:23:11 AM
Description: Crossover from Wilputte tying into suction main

Photo Number: IMGP0003 Photographer: M. Hamre
Date/Time: 5/5/2011 9:25:48 AM
Description: Downcomer off suction main

Photo Number: IMGP0004 Photographer: M. Hamre
Date/Time: 5/5/2011 9:27:24 AM
Description: Drip pot off COG (not in service yet)

Photo Number: IMGP0005 Photographer: M. Hamre
Date/Time: 5/5/2011 9:29:59 AM
Description: Drip pot in service directly west of small gas holder

Photo Number: IMGP0006 Photographer: M. Hamre
Date/Time: 5/5/2011 9:36:23 AM
Description: Primary coolers (2)

Photo Number: IMGP0007 Photographer: M. Hamre
Date/Time: 5/5/2011 9:39:46 AM
Description: Downcomer near gas distribution system back to battery

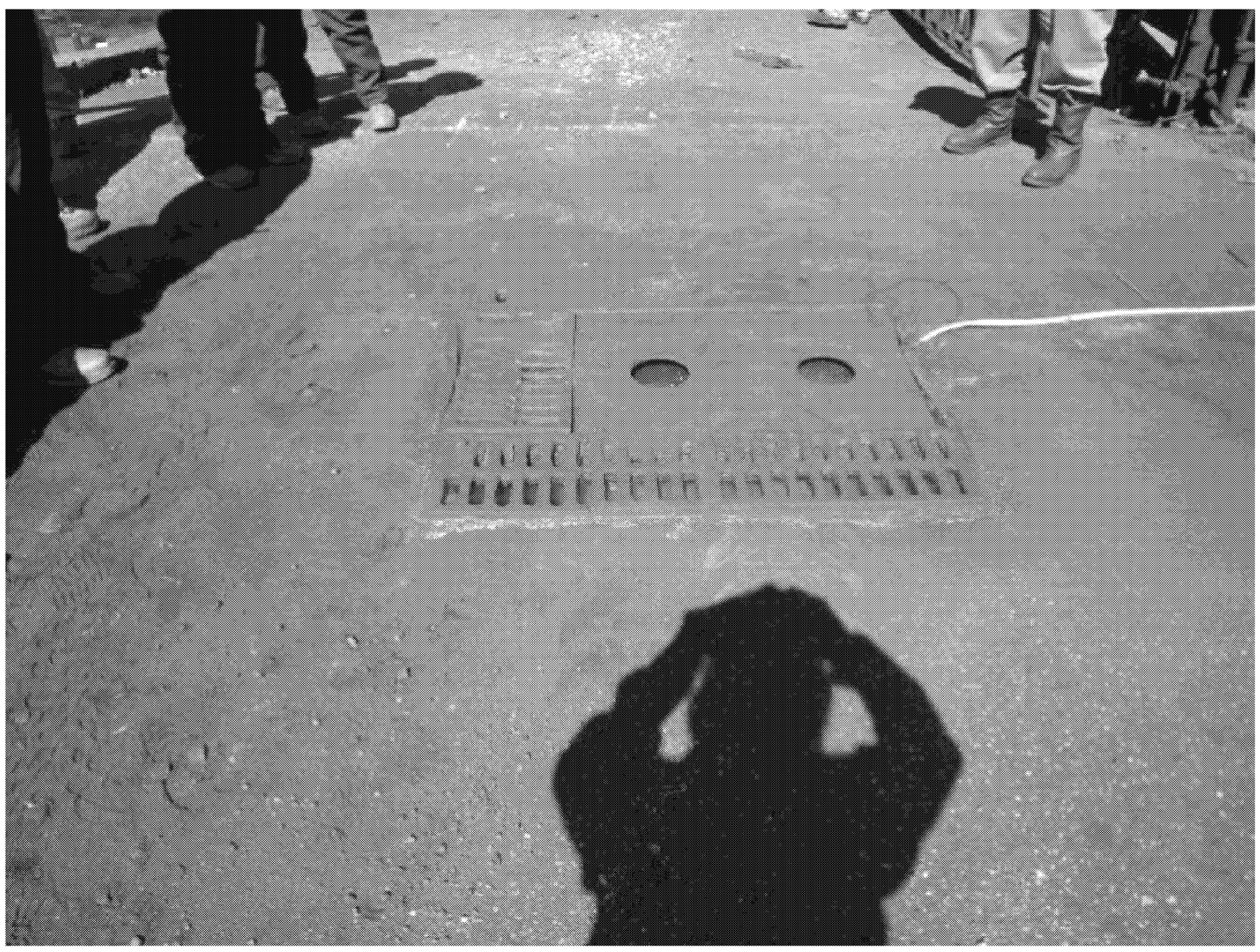

Photo Number: IMGP0008 Photographer: M. Hamre
Date/Time: 5/5/2011 9:41:39 AM
Description: Drip pot, below grade, for gas equalization system

Photo Number: IMGP0009 Photographer: M. Hamre
Date/Time: 5/5/2011 9:56:59 AM
Description: Naphthalene sump (facing east)

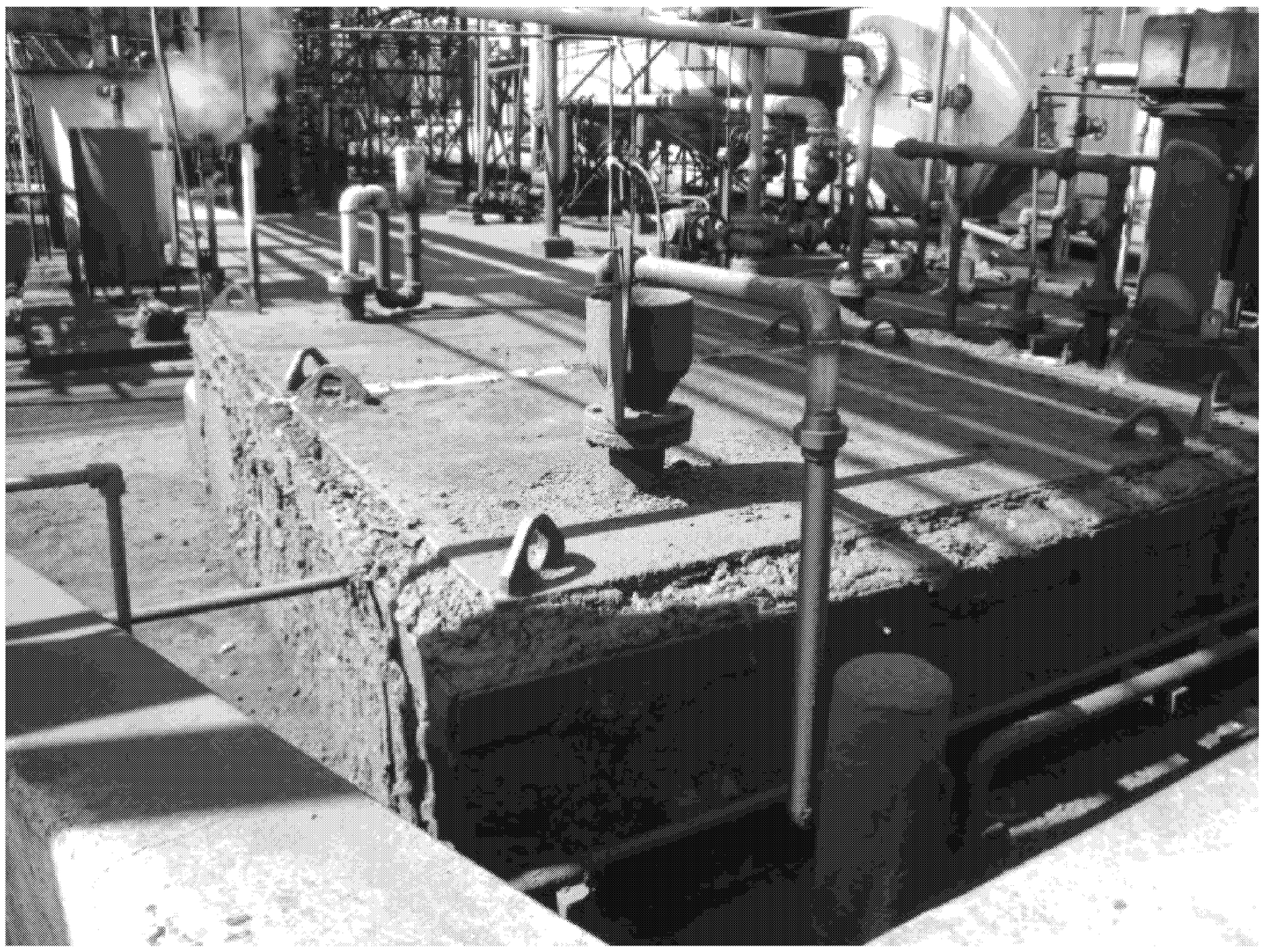

Photo Number: IMGP0010 Photographer: M. Hamre
Date/Time: 5/5/2011 9:57:20 AM
Description: Naphthalene sump (facing west-south)

Photo Number: IMGP0011 Photographer: M. Hamre
Date/Time: 5/5/2011 10:02:56 AM
Description: Beckers battery suction line and liquor line (back to batteries)

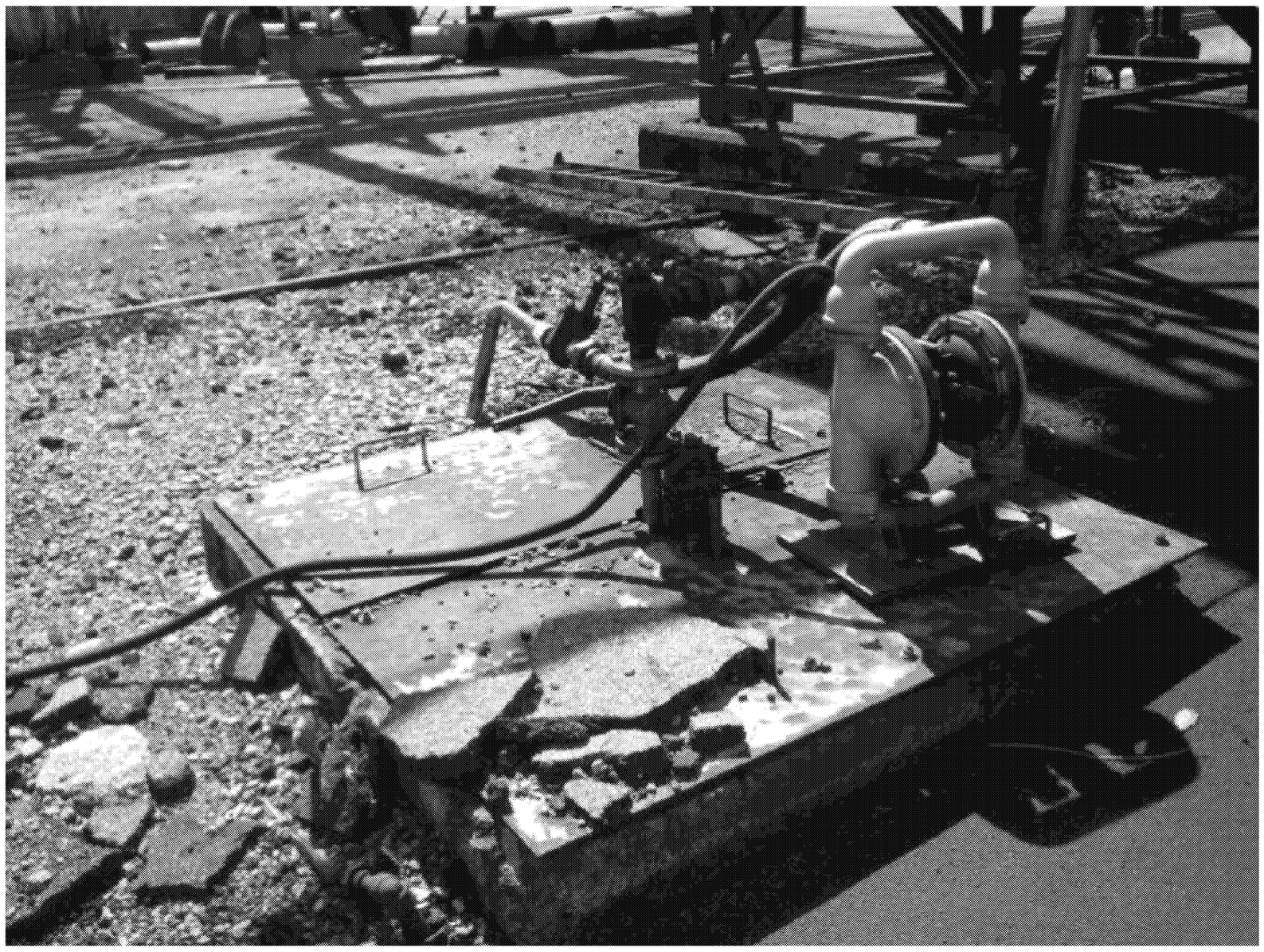

Photo Number: IMGP0012 Photographer: M. Hamre
Date/Time: 5/5/2011 10:06:29 AM
Description: Fuel gas main drip pot

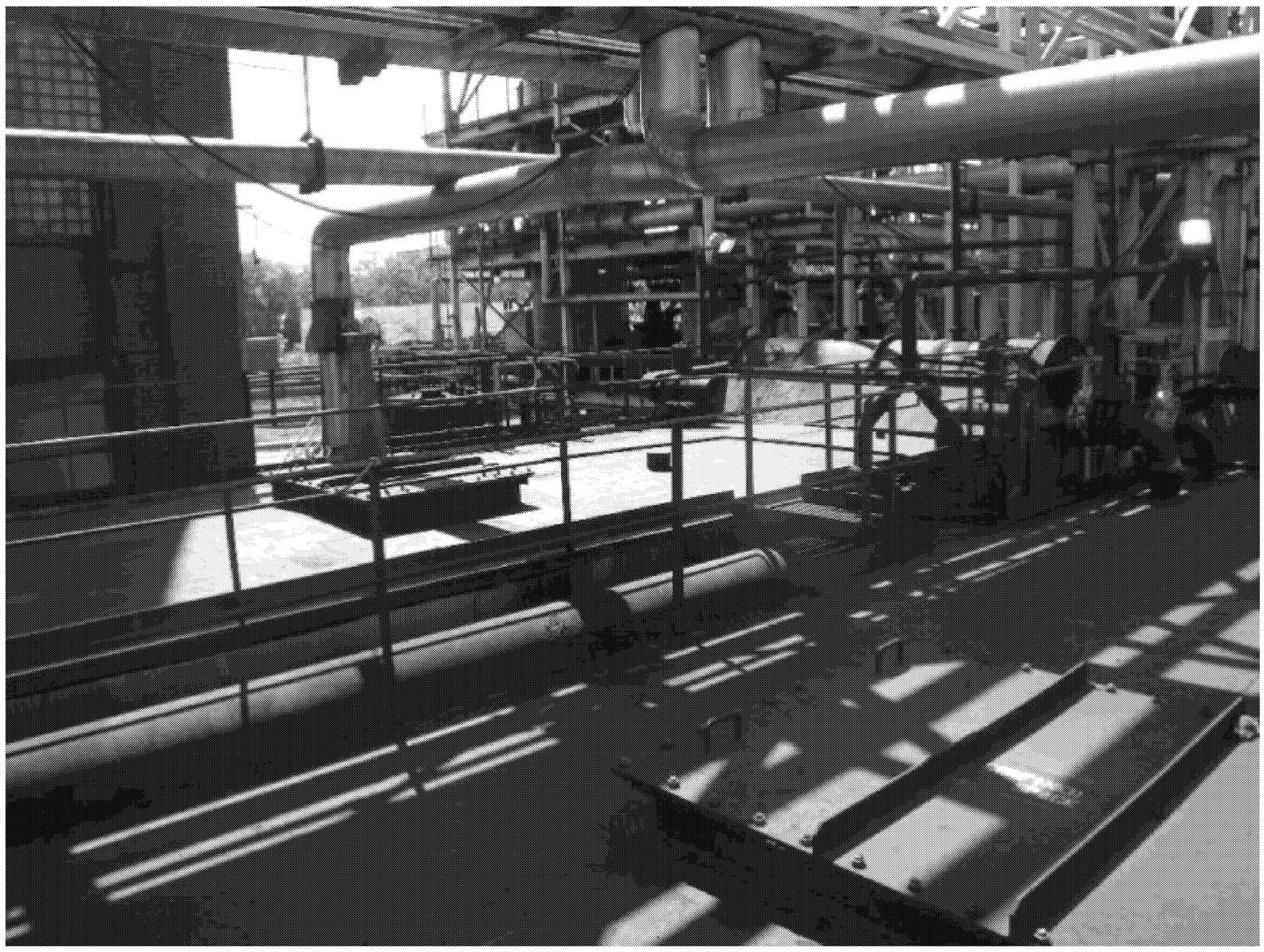

Photo Number: IMGP0013 Photographer: M. Hamre
Date/Time: 5/5/2011 10:30:48 AM
Description: Tar decanter -east

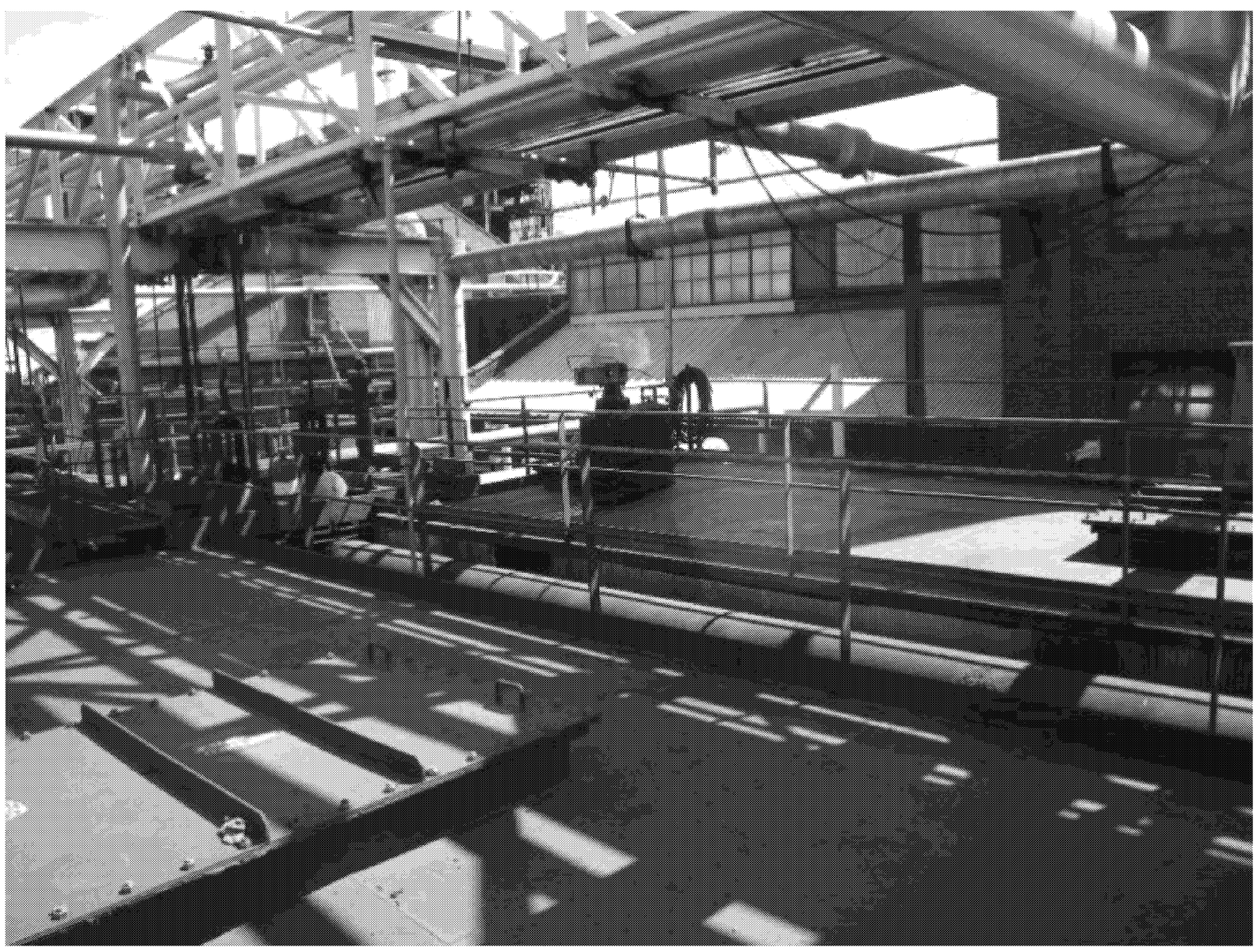

Photo Number: IMGP0014 Photographer: M. Hamre
Date/Time: 5/5/2011 10:31:06 AM
Description: Tar decanter-east

Photo Number: IMGP0015 Photographer: M. Hamre
Date/Time: 5/5/2011 10:31:29 AM
Description: Flushing liquor circulation tank

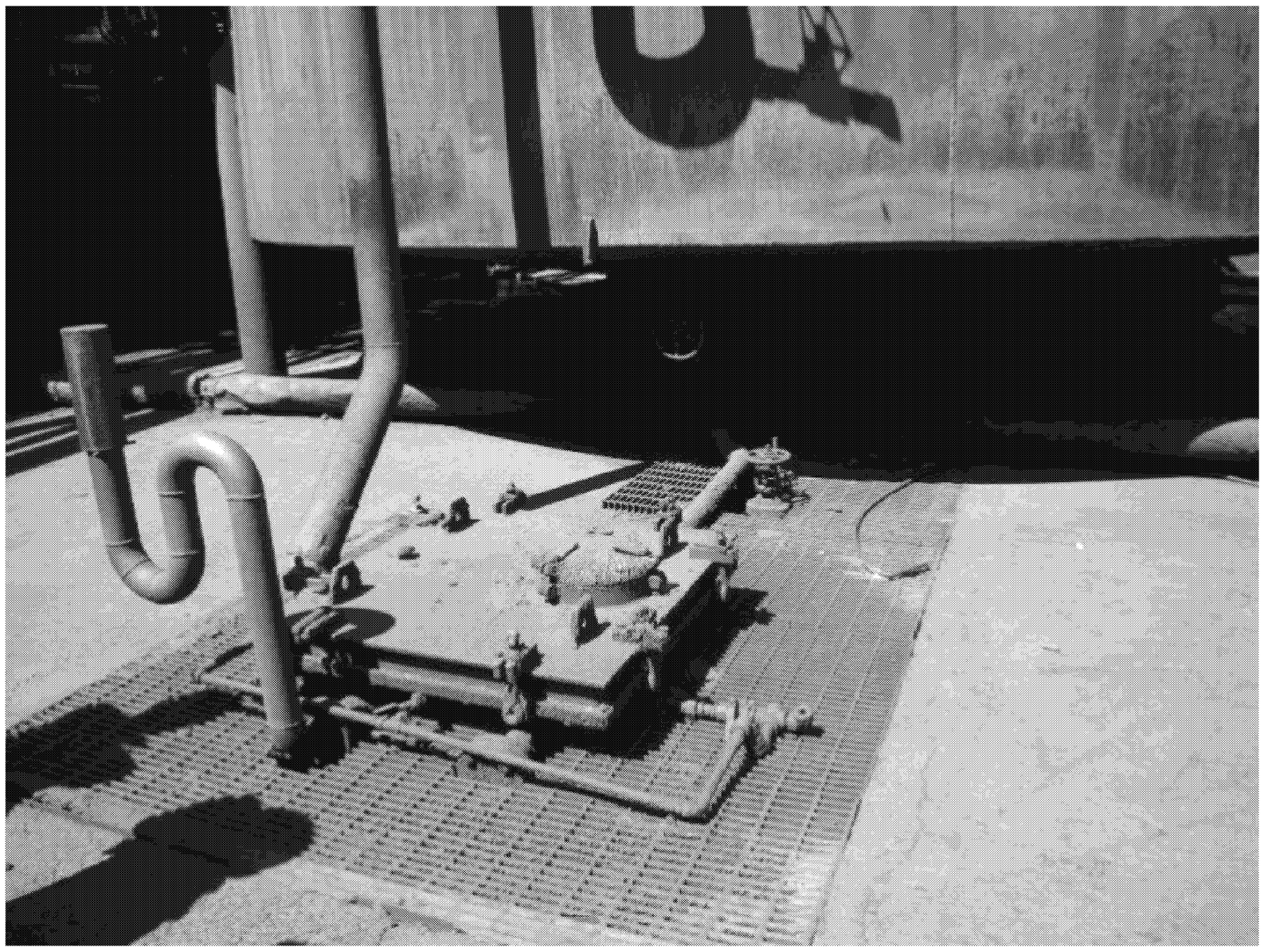

Photo Number: IMGP0016 Photographer: M. Hamre
Date/Time: 5/5/2011 10:47:24 AM
Description: Tar drain pan off flushing liquor circulation tank

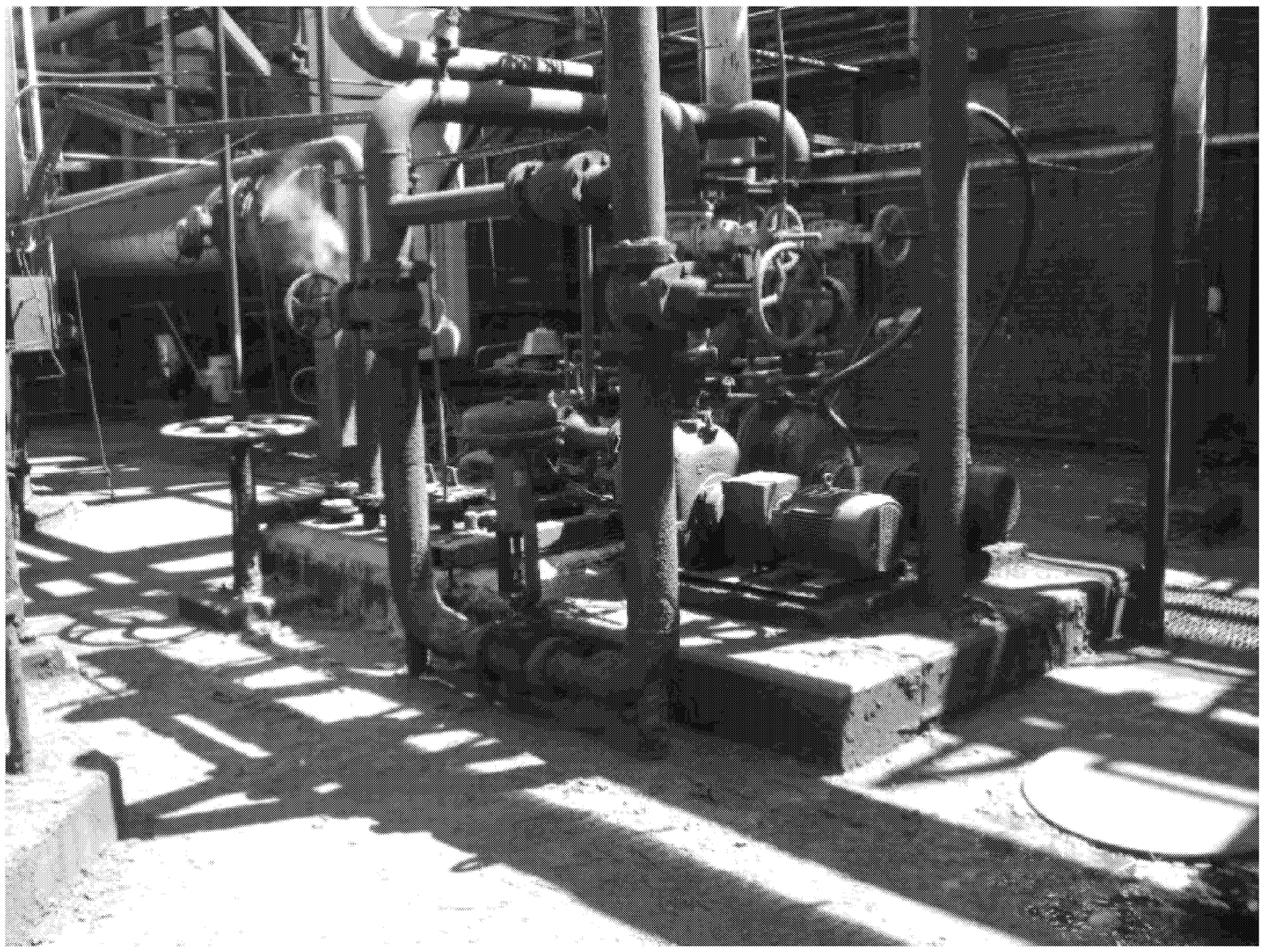

Photo Number: IMGP0017 Photographer: M. Hamre
Date/Time: 5/5/2011 10:53:42 AM
Description: Primary cooler sump

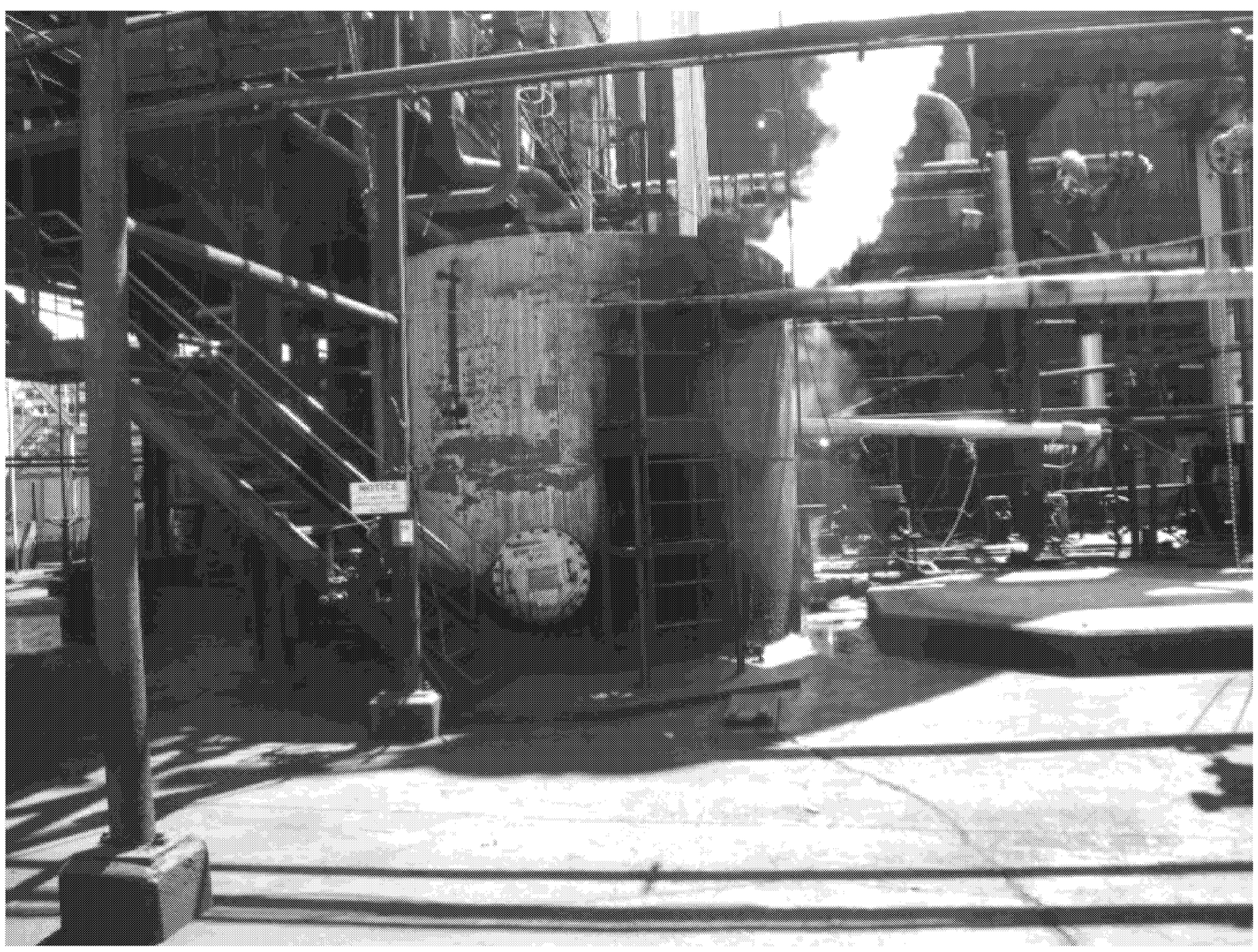

Photo Number: IMGP0018 Photographer: M. Hamre
Date/Time: 5/5/2011 10:59:06 AM
Description: Wilputte decanter

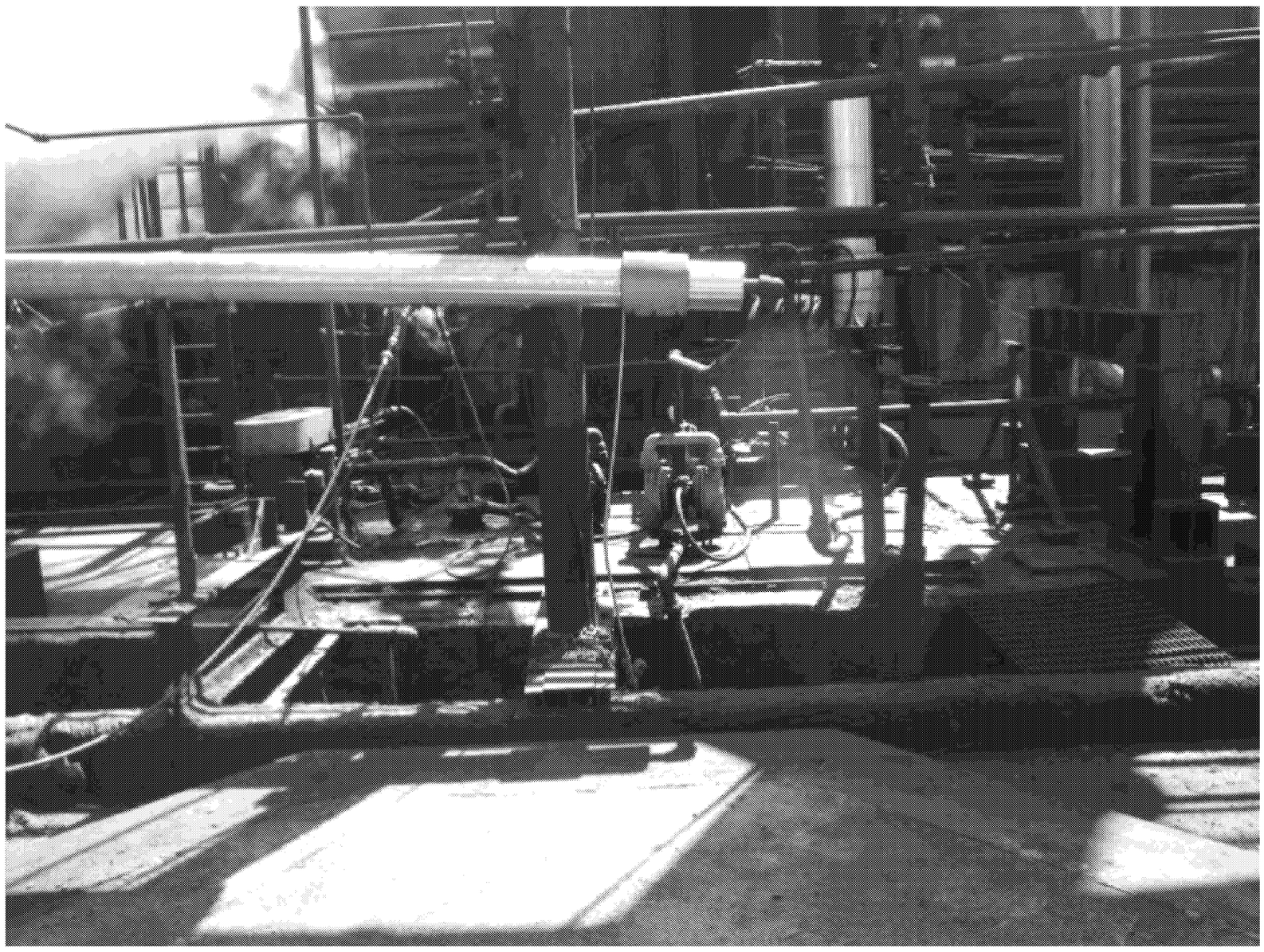

Photo Number: IMGP0019 Photographer: M. Hamre
Date/Time: 5/5/2011 10:59:47 AM
Description: Dirty water sump

Photo Number: IMGP0020 Photographer: M. Hamre
Date/Time: 5/5/2011 11:23:46 AM
Description: Light oil scrubbers

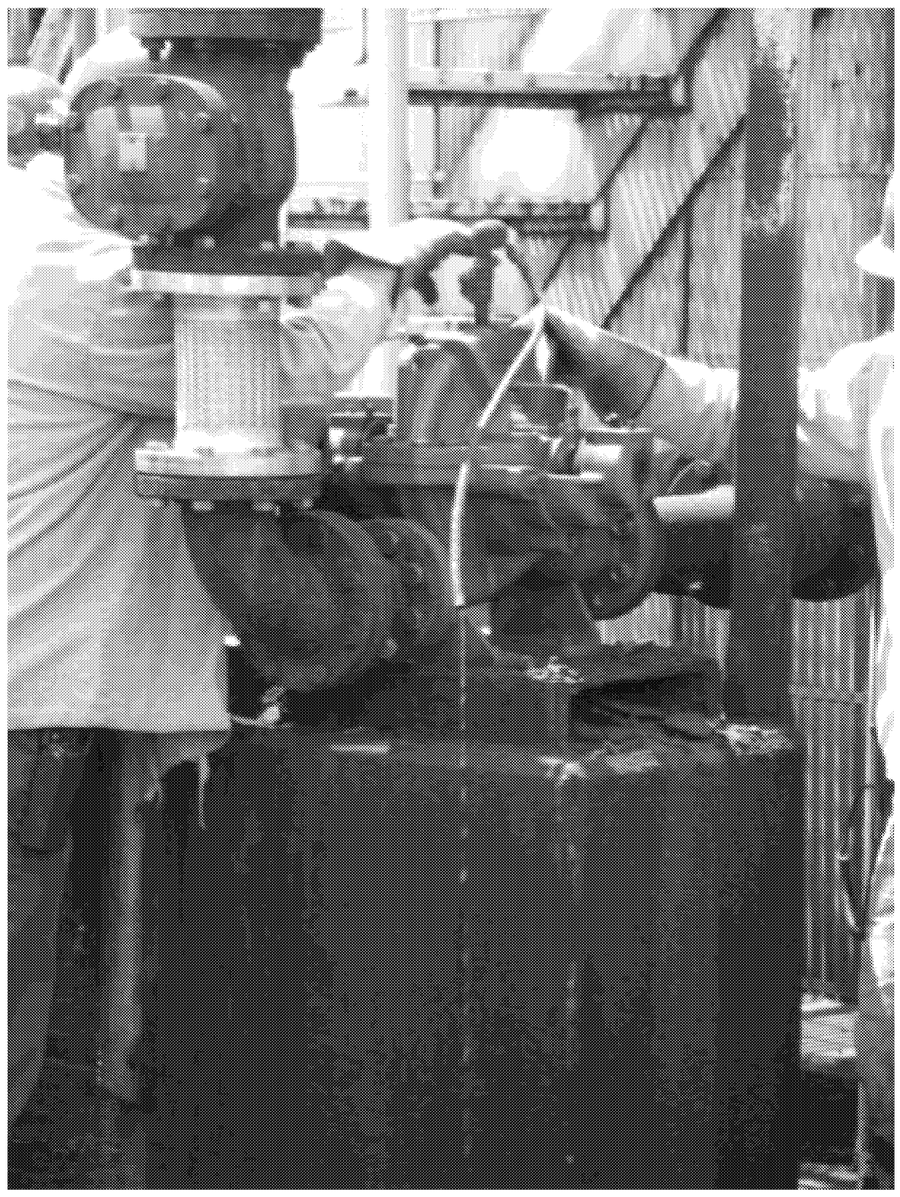

Photo Number: IMGP0021 Photographer: M. Hamre
Date/Time: 5/5/2011 2:04:38 PM
Description: West dirty liquor storage tank sample location-Station 1

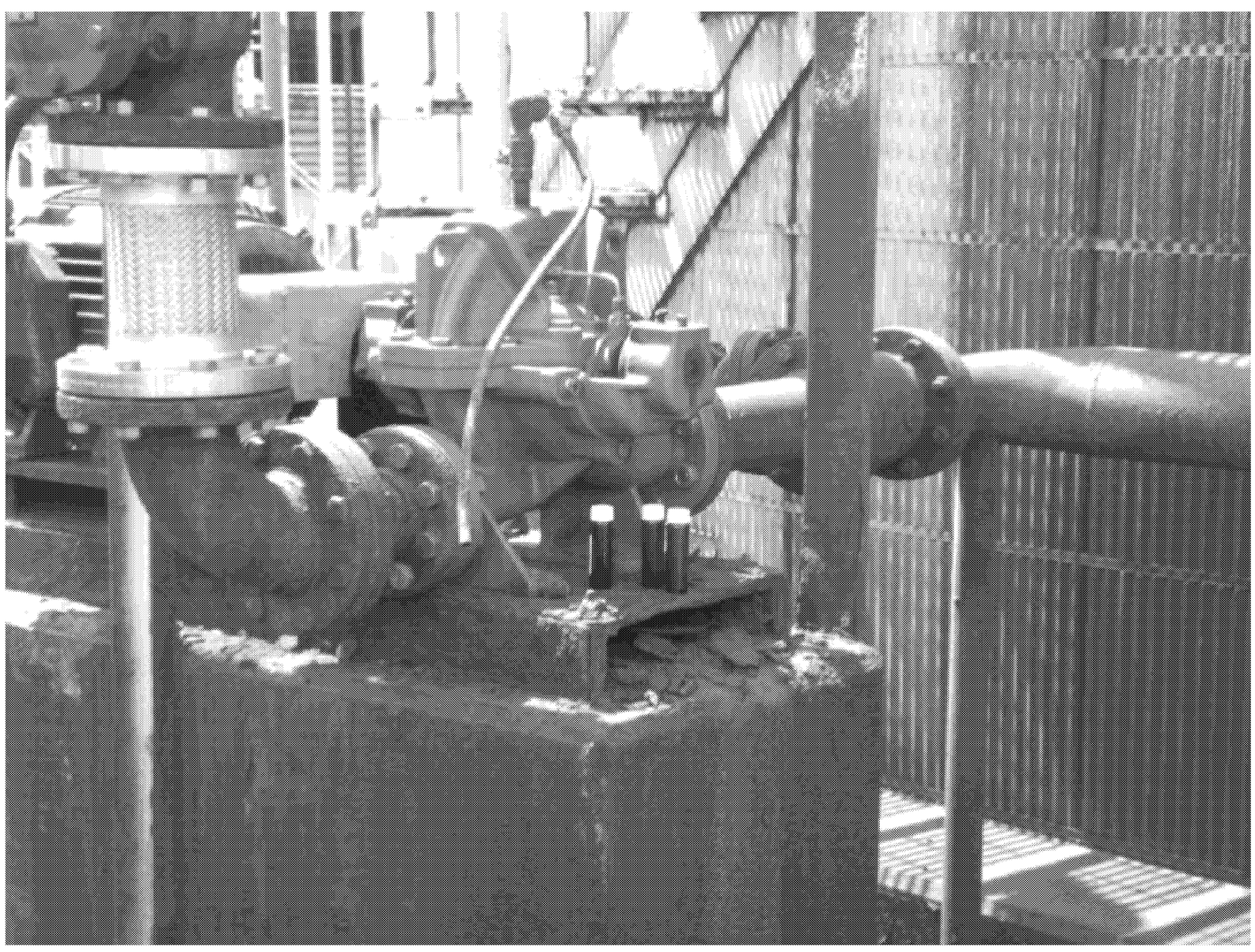

Photo Number: IMGP0022 Photographer: M. Hamre
Date/Time: 5/5/2011 2:14:25 PM
Description: West dirty liquor storage tank sample location - Station 1 with samples

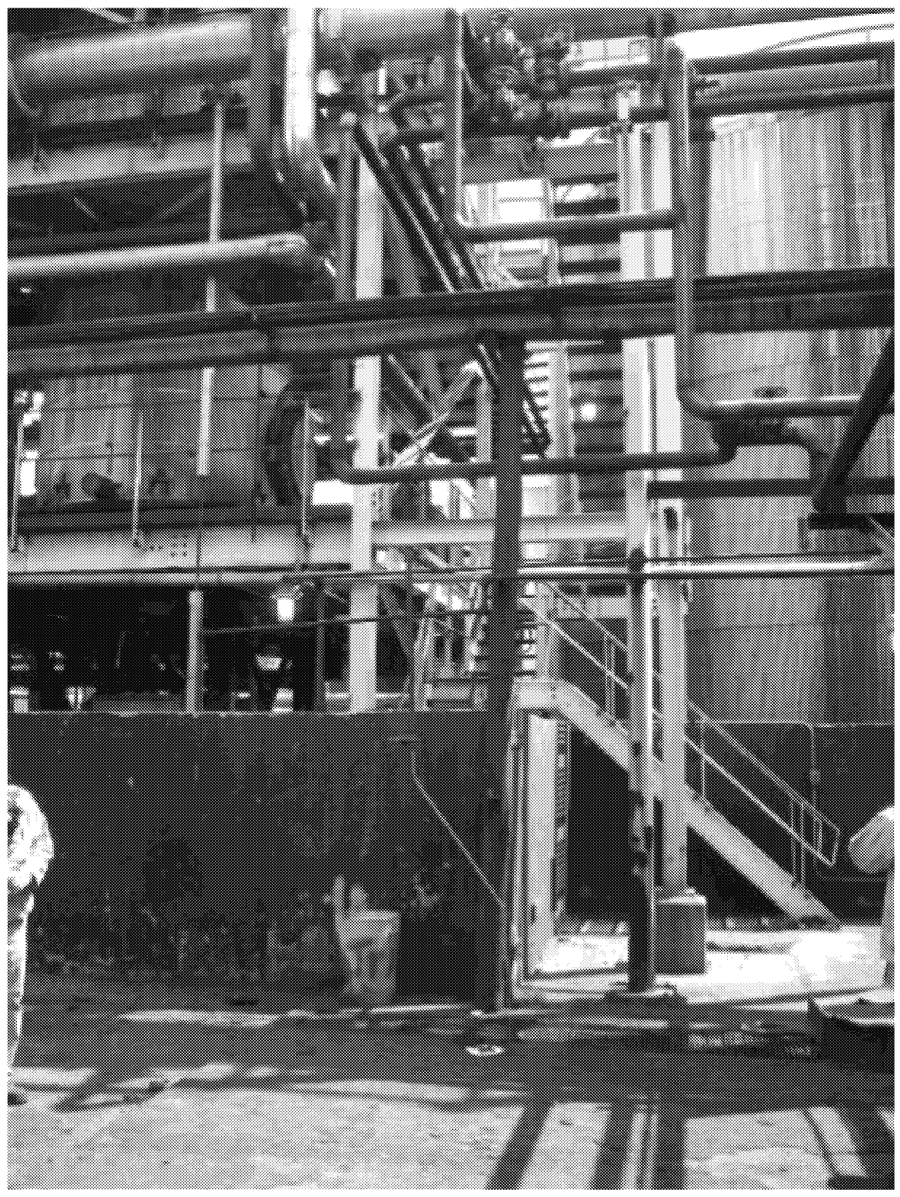

Photo Number: IMGP0023 Photographer: M. Hamre
Date/Time: 5/5/2011 2:28:19 PM
Description: Ammonia still sampling location-effluent

Photo Number: IMGP0024 Photographer: M. Hamre
Date/Time: 5/5/2011 2:28:46 PM
Description: Ammonial still samples - Station 2

Photo Number: IMGP0025 Photographer: M. Hamre
Date/Time: 5/5/2011 2:40:27 PM
Description: Tar decanter buggy - east side

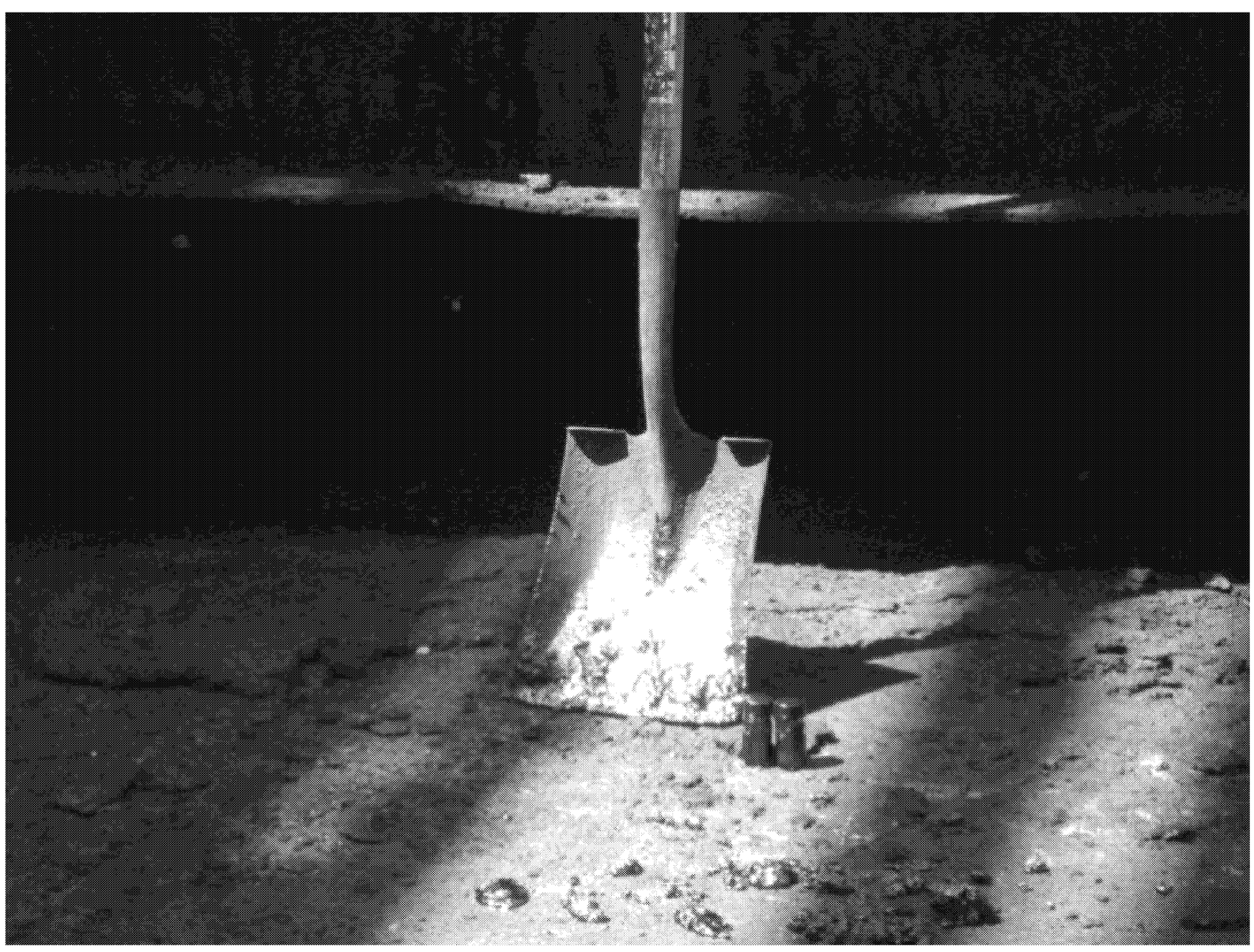

Photo Number: IMGP0026 Photographer: M. Hamre
Date/Time: 5/5/2011 2:40:39 PM
Description: Tar decanter sludge samples -east Station 3

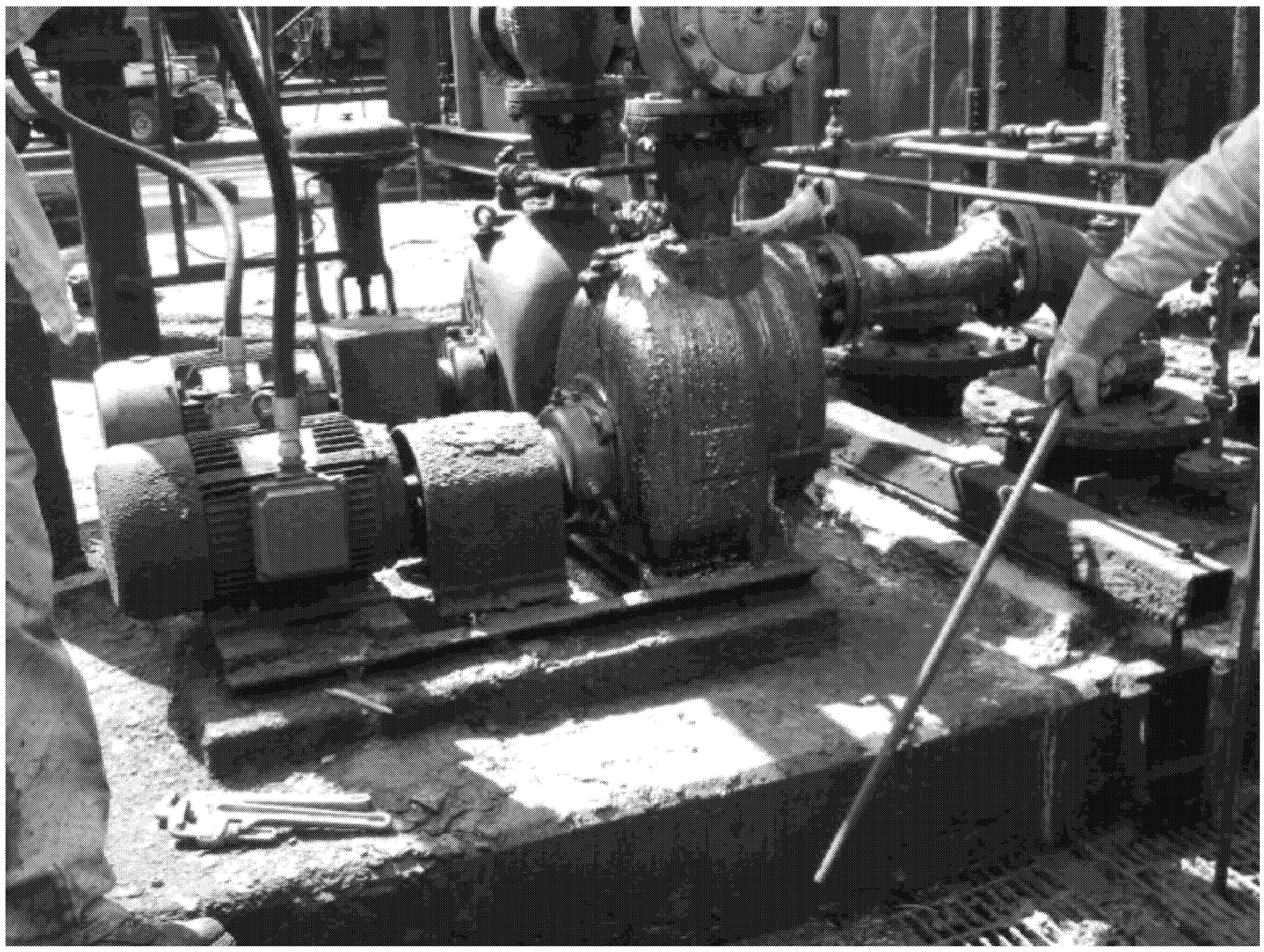

Photo Number: IMGP0027 Photographer: M. Hamre
Date/Time: 5/5/2011 2:56:54 PM
Description: Primary cooler sump

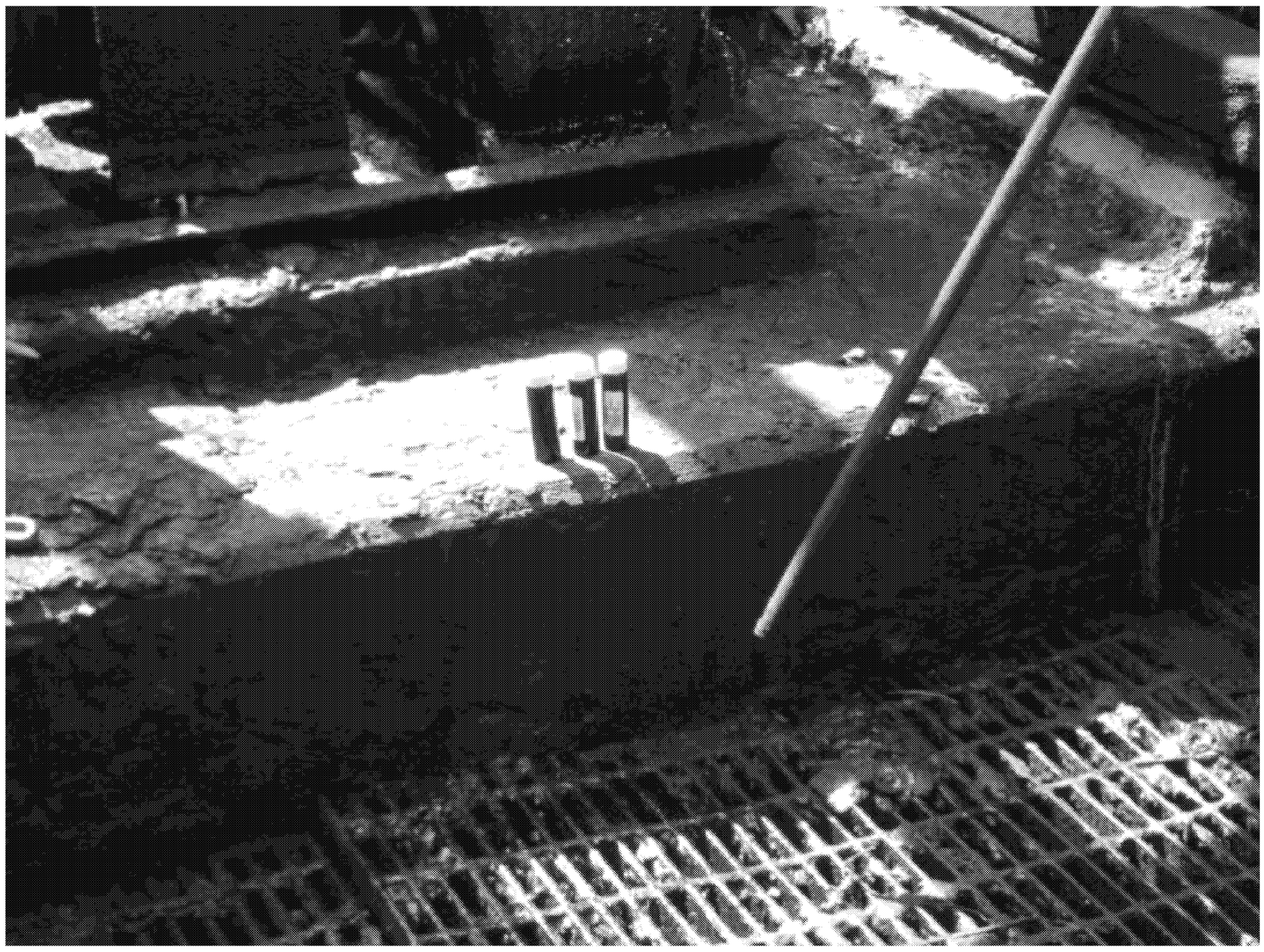

Photo Number: IMGP0028 Photographer: M. Hamre
Date/Time: 5/5/2011 2:57:21 PM
Description: Primary cooler sump samples - Station 4

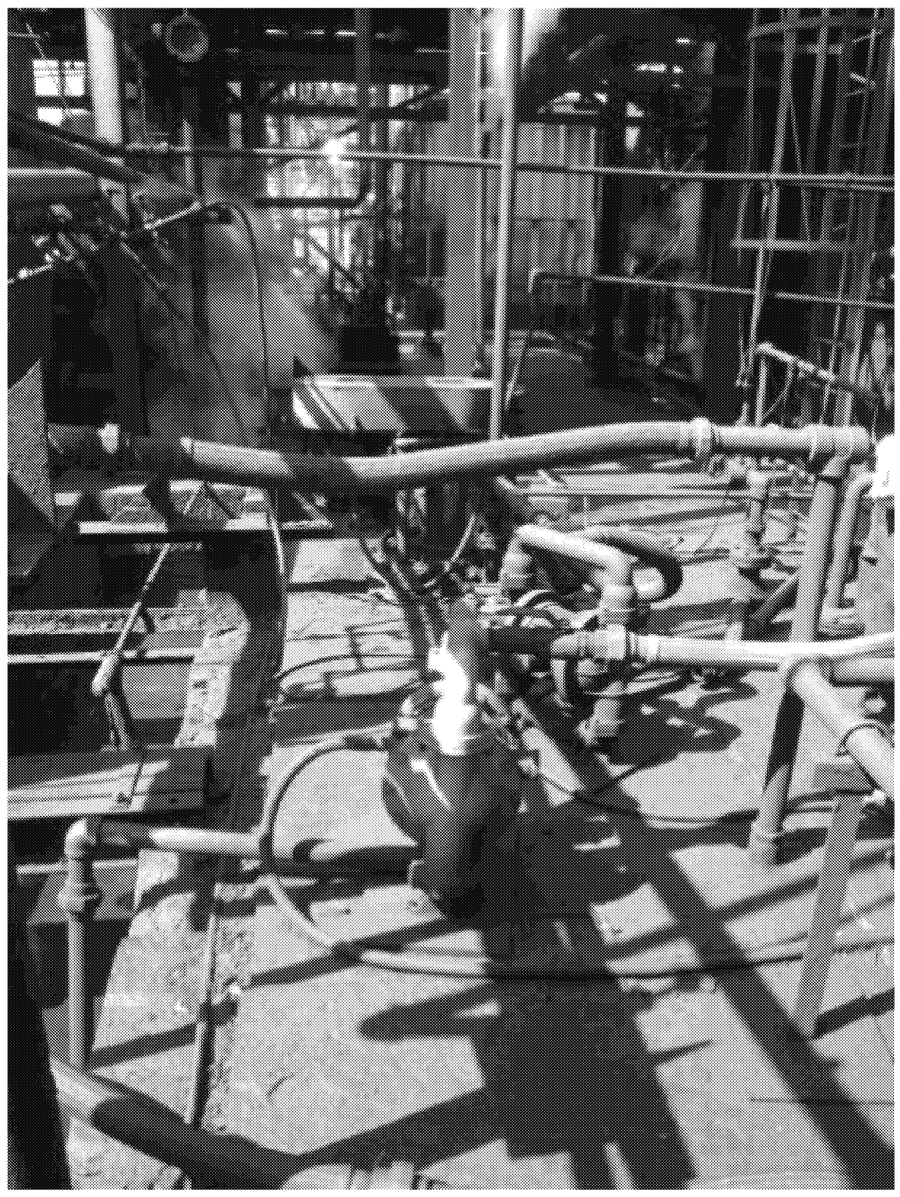

Photo Number: IMGP0029 Photographer: M. Hamre
Date/Time: 5/5/2011 3:18:01 PM
Description: Dirty water sump

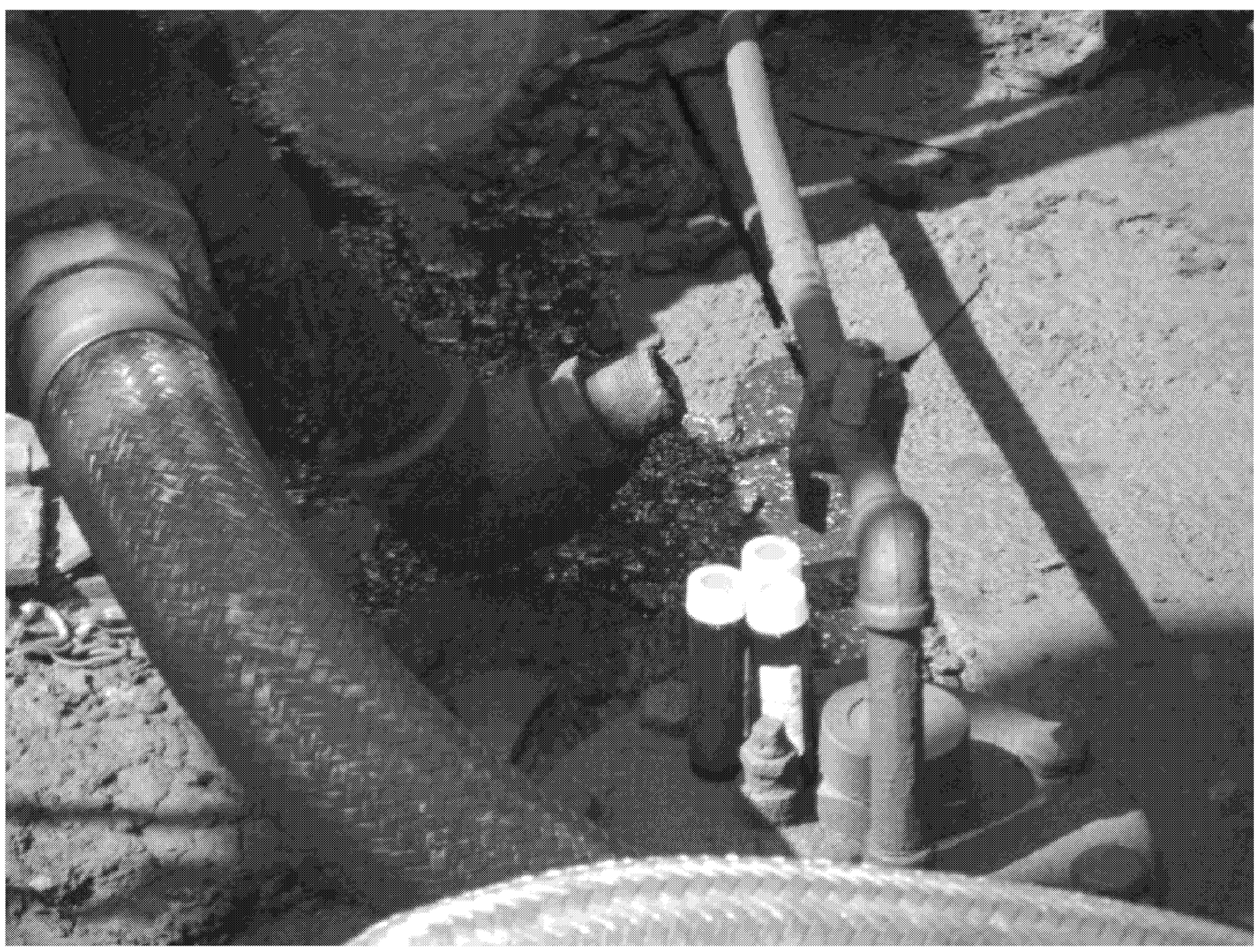

Photo Number: IMGP0030 Photographer: M. Hamre
Date/Time: 5/5/2011 3:18:17 PM
Description: Dirty water sump samples - Station 5

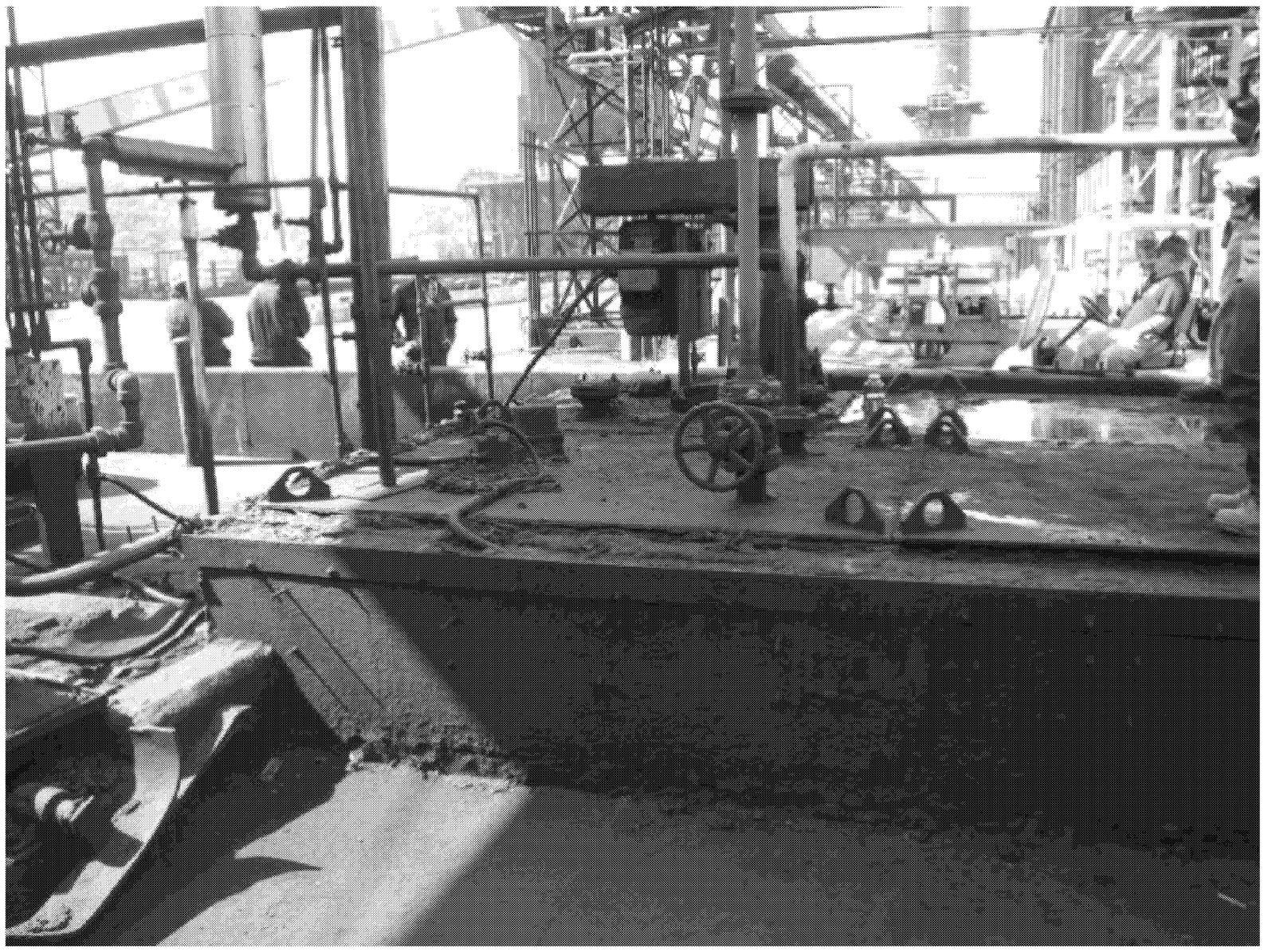

Photo Number: IMGP0031 Photographer: M. Hamre
Date/Time: 5/5/2011 3:35:43 PM
Description: Naphthalene sump

Photo Number: IMGP0032 Photographer: M. Hamre
Date/Time: 5/5/2011 3:35:53 PM
Description: Naphthalene sump samples - Station 6

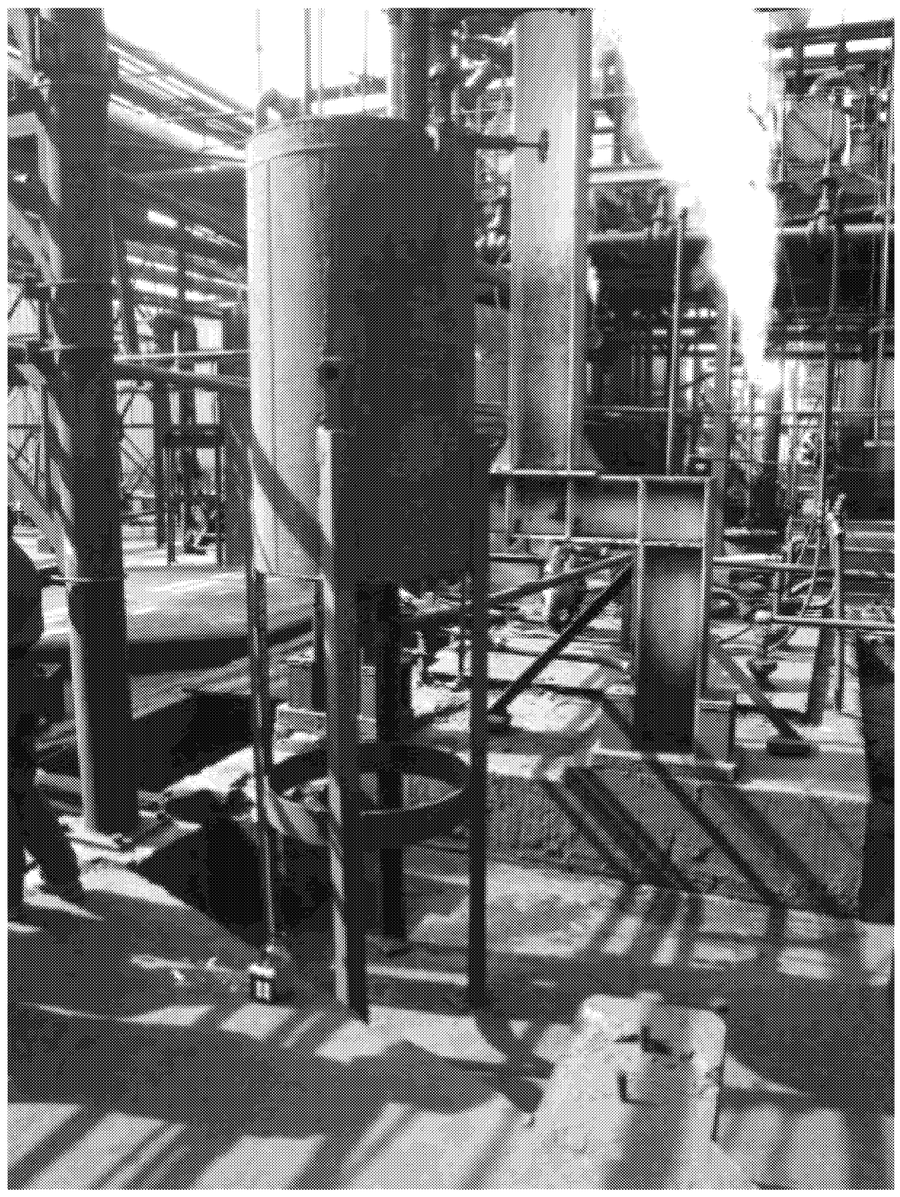

Photo Number: IMGP0033 Photographer: M. Hamre
Date/Time: 5/5/2011 3:54:23 PM
Description: Cast drip pot between saturator and tar bottom cooler

Photo Number: IMGP0034 Photographer: M. Hamre
Date/Time: 5/5/2011 3:54:39 PM
Description: Cast drip pot between saturator and tar bottom cooler sample location - Station 7

Photo Number: IMGP0035 Photographer: D. Au
Date/Time: 5/6/2011 10:04:25 AM
Description: Plug missing on tag # BZ6495

Photo Number: IMGP0036 Photographer: D. Au
Date/Time: 5/6/2011 10:10:55 AM
Description: Open-ended line on BZ 6480

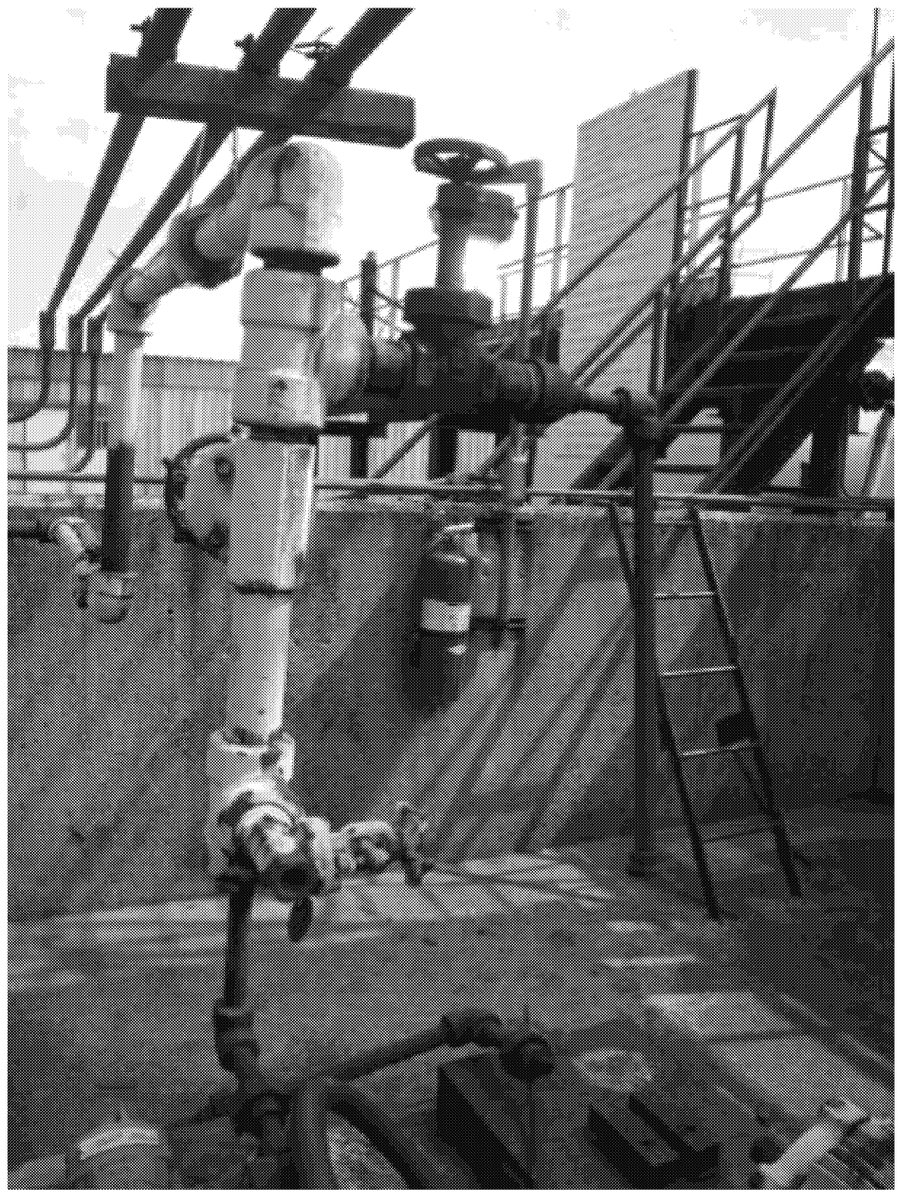

Photo Number: IMGP0037 Photographer: D. Au
Date/Time: 5/6/2011 10:11:20 AM
Description: Open-ended line on BZ 6480

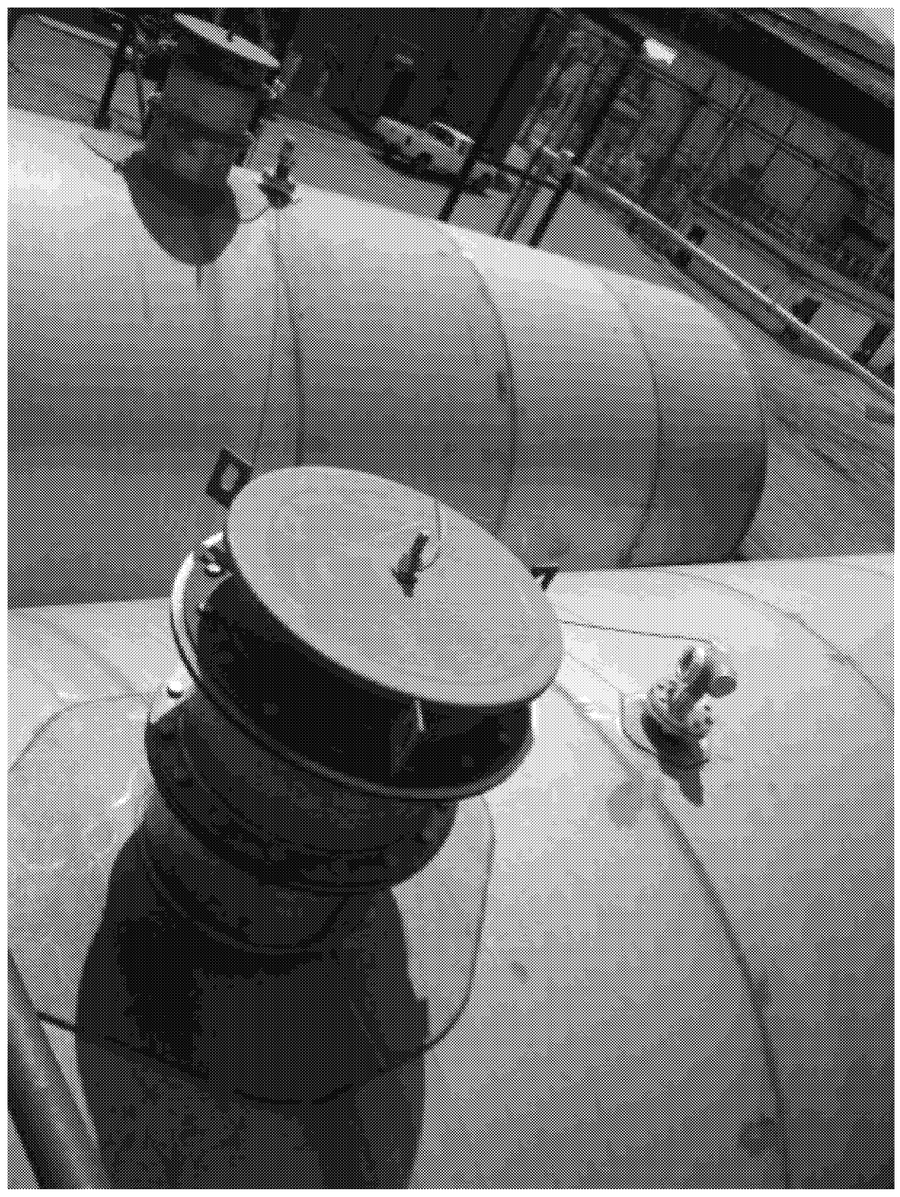

Photo Number: IMGP0038 Photographer: D. Au
Date/Time: 5/6/2011 10:42:20 AM
Description: West light oil tank rupture disk-relief device

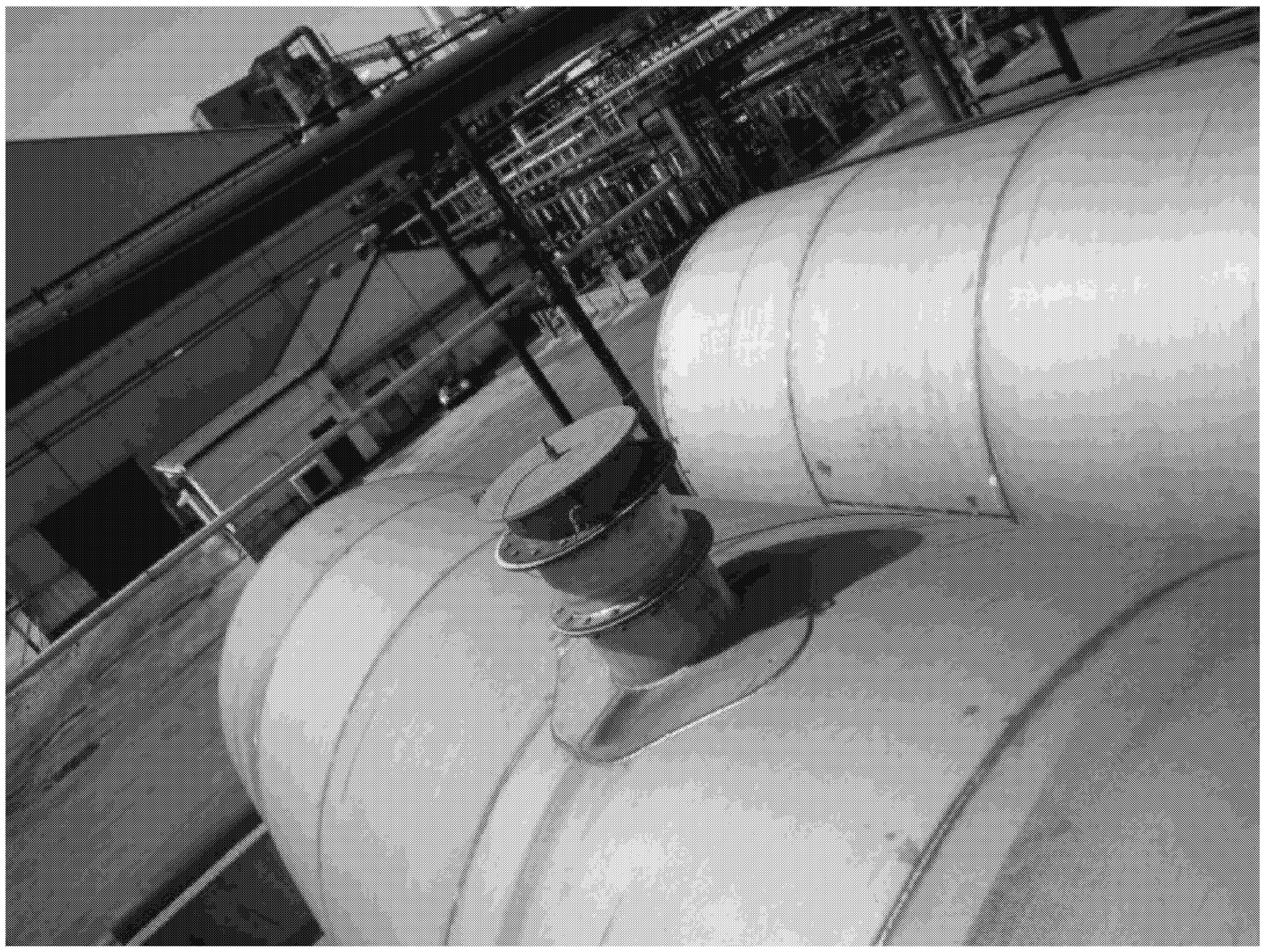

Photo Number: IMGP0039 Photographer: D. Au
Date/Time: 5/6/2011 10:43:15 AM
Description: East light oil tank rupture disk-relief device

Photo Number: IMGP0040 Photographer: D. Au
Date/Time: 5/6/2011 10:44:24 AM
Description: Two control valves near BZ 7006-light oil-benzene loading area (not tagged)

Photo Number: IMGP0041 Photographer: D. Au
Date/Time: 5/6/2011 11:02:13 AM
Description: Naphthalene sump leaking seal on pump bottom structure

Photo Number: IMGP0042 Photographer: D. Au
Date/Time: 5/6/2011 11:05:58 AM
Description: Naphthalene sump leak on middle east side of sump

Photo Number: IMGP0043 Photographer: D. Au
Date/Time: 5/6/2011 11:09:34 AM
Description: Naphthalene sump -leaking cap on flange near pump structure

Photo Number: IMGP0044 Photographer: D. Au
Date/Time: 5/6/2011 11:40:20 AM
Description: BTX tank decant water overflow pipe and funnel

Photo Number: IMGP0045 Photographer: D. Au
Date/Time: 5/6/2011 11:44:12 AM
Description: Bottoms portion of tar bottom final cooler - no tags and not in system

Photo Number: IMGP0046 Photographer: D. Au
Date/Time: 5/6/2011 11:50:42 AM
Description: Visual leak on pipe next to sump uptake near Wilputte decanter

Photo Number: IMGP0047 Photographer: D. Au
Date/Time: 5/6/2011 11:50:55 AM
Description: Visual leak on pipe next to sump uptatke near Wilputte decanter

Photo Number: IMGP0048 Photographer: D. Au
Date/Time: 5/6/2011 11:51:11 AM
Description: Visual leak on pipe next to sump uptake near Wilputte decanter

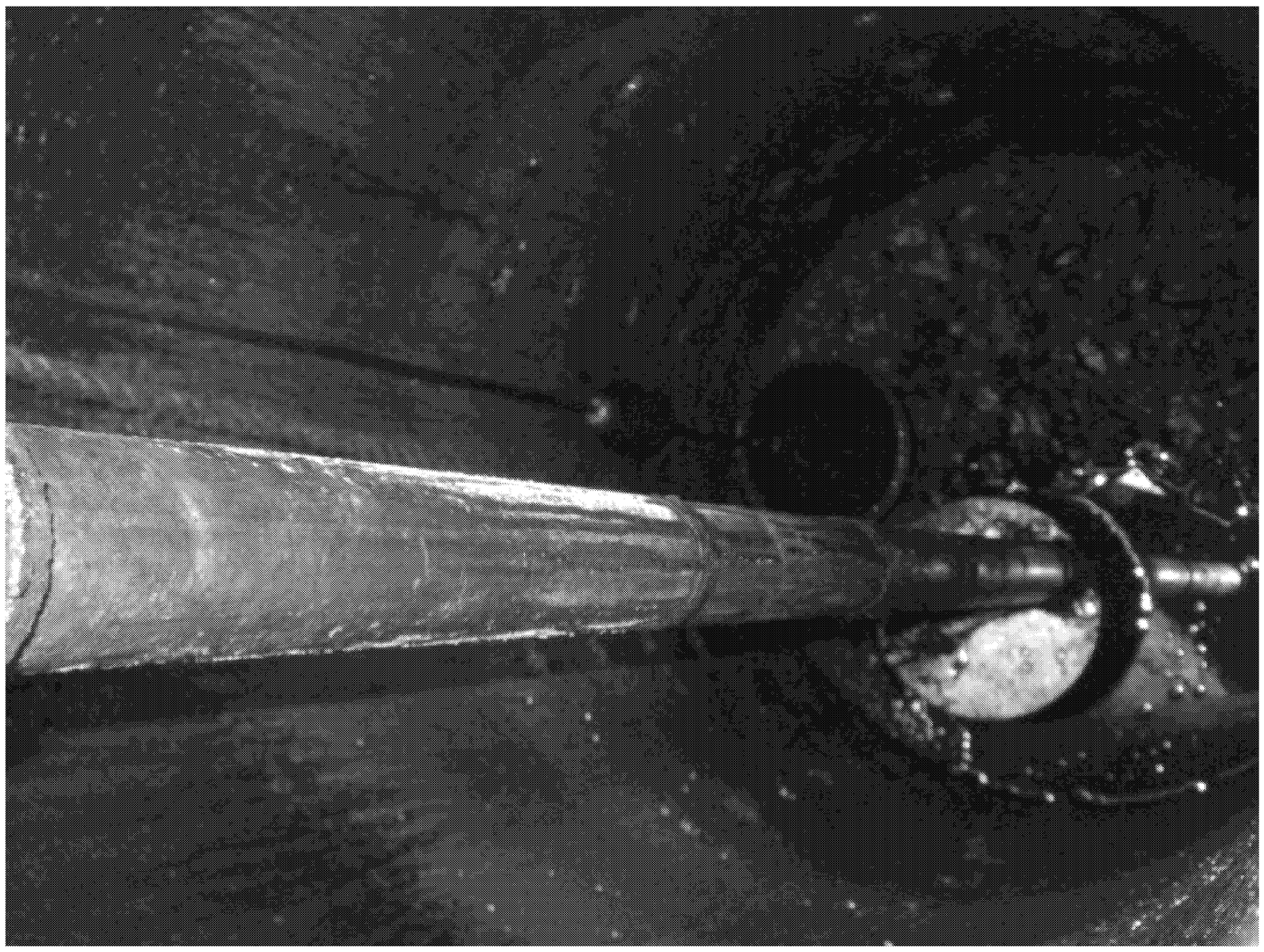

Photo Number: IMGP0049 Photographer: D. Au
Date/Time: 5/6/2011 11:51:36 AM
Description: Sump uptake, looking down into sump

Photo Number: IMGP0050 Photographer: D. Au
Date/Time: 5/6/2011 11:53:39 AM
Description: Open vent on top of BTX tank near valve 6624

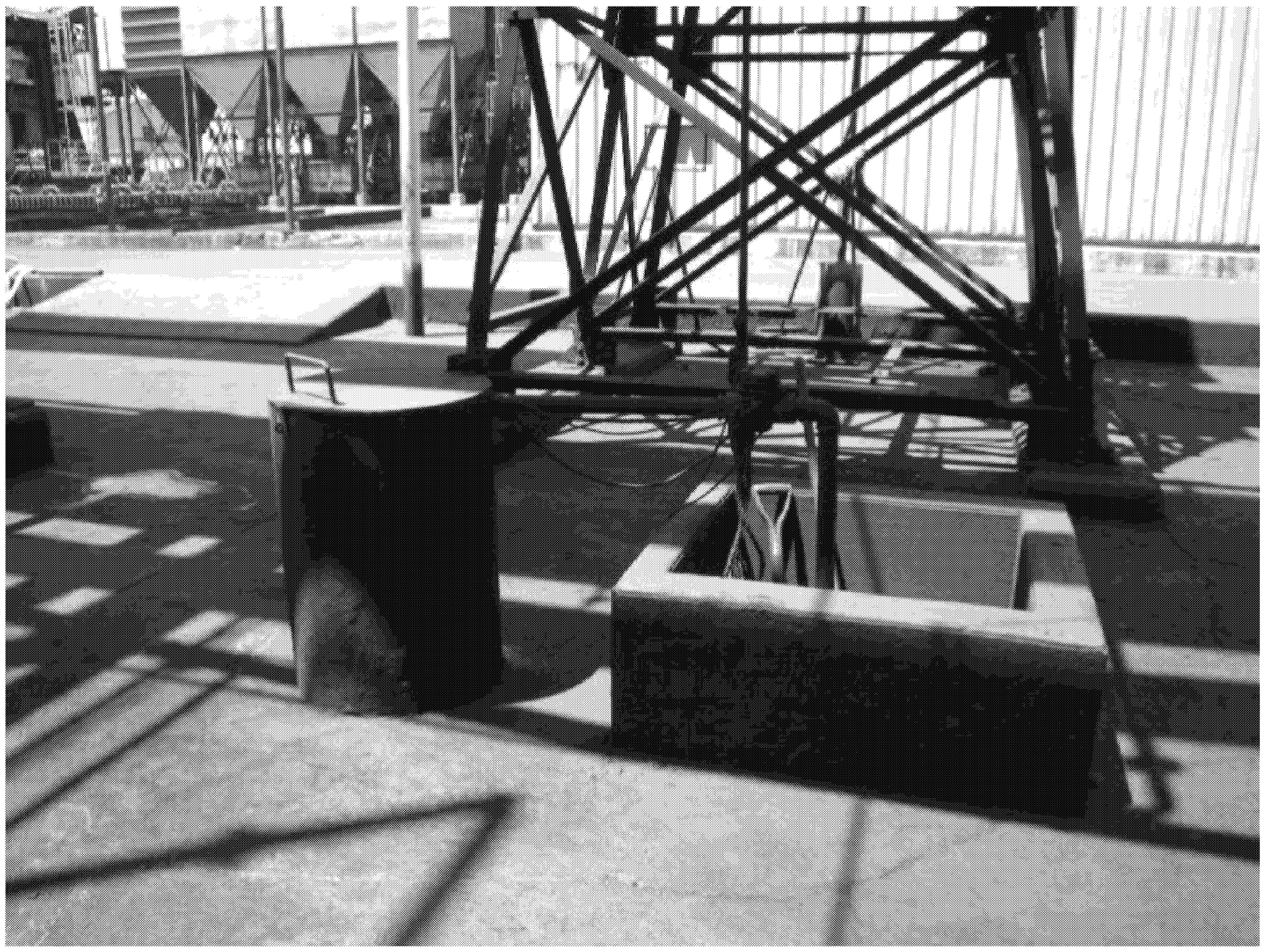

Photo Number: IMGP0051 Photographer: D. Au
Date/Time: 5/6/2011 11:54:36 AM
Description: Overview of sump and piping near Wilputte decanter

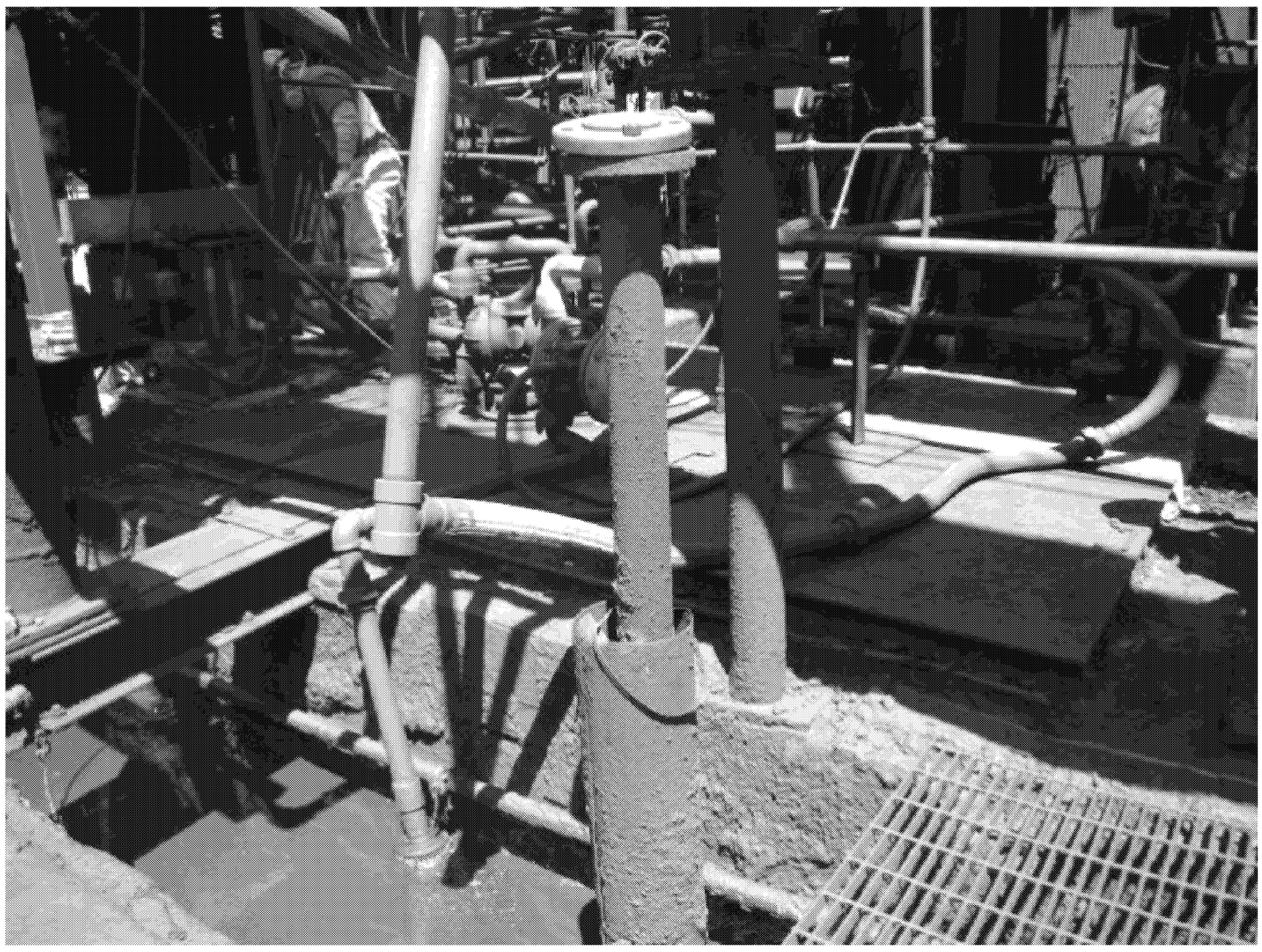

Photo Number: IMGP0052 Photographer: D. Au
Date/Time: 5/6/2011 1:54:13 PM
Description: Dirty water sump

Photo Number: IMGP0053 Photographer: D. Au
Date/Time: 5/6/2011 1:55:27 PM
Description: Leaking seal on south side of dirty water sump

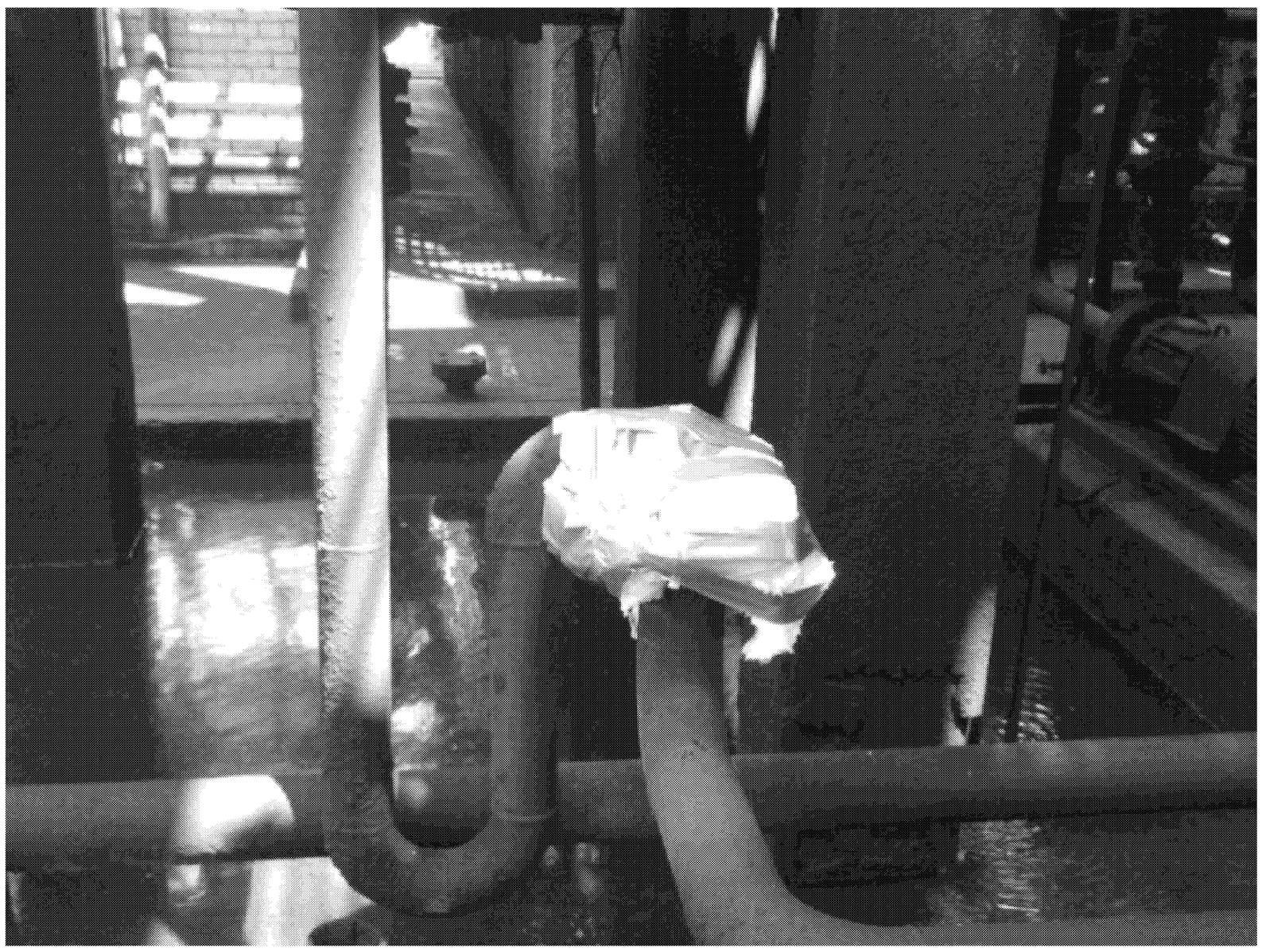

Photo Number: IMGP0054 Photographer: D. Au
Date/Time: 5/6/2011 2:25:56 PM
Description: BTX tank decanter water overflow pipe and funnel sealed with duct tape and insulation

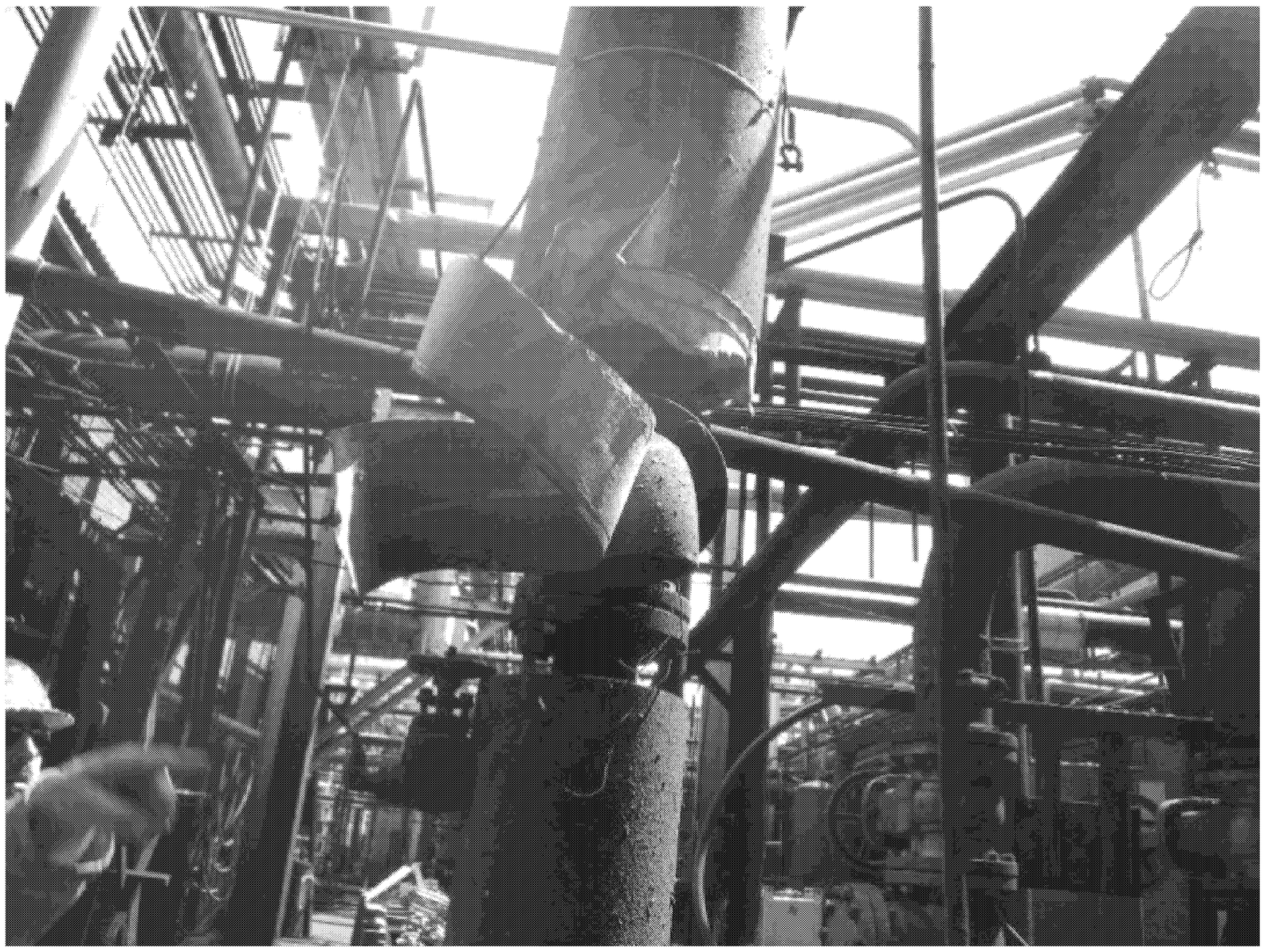

Photo Number: IMGP0055 Photographer: D. Au
Date/Time: 5/6/2011 2:48:58 PM
Description: Open vent off primary cooler sump

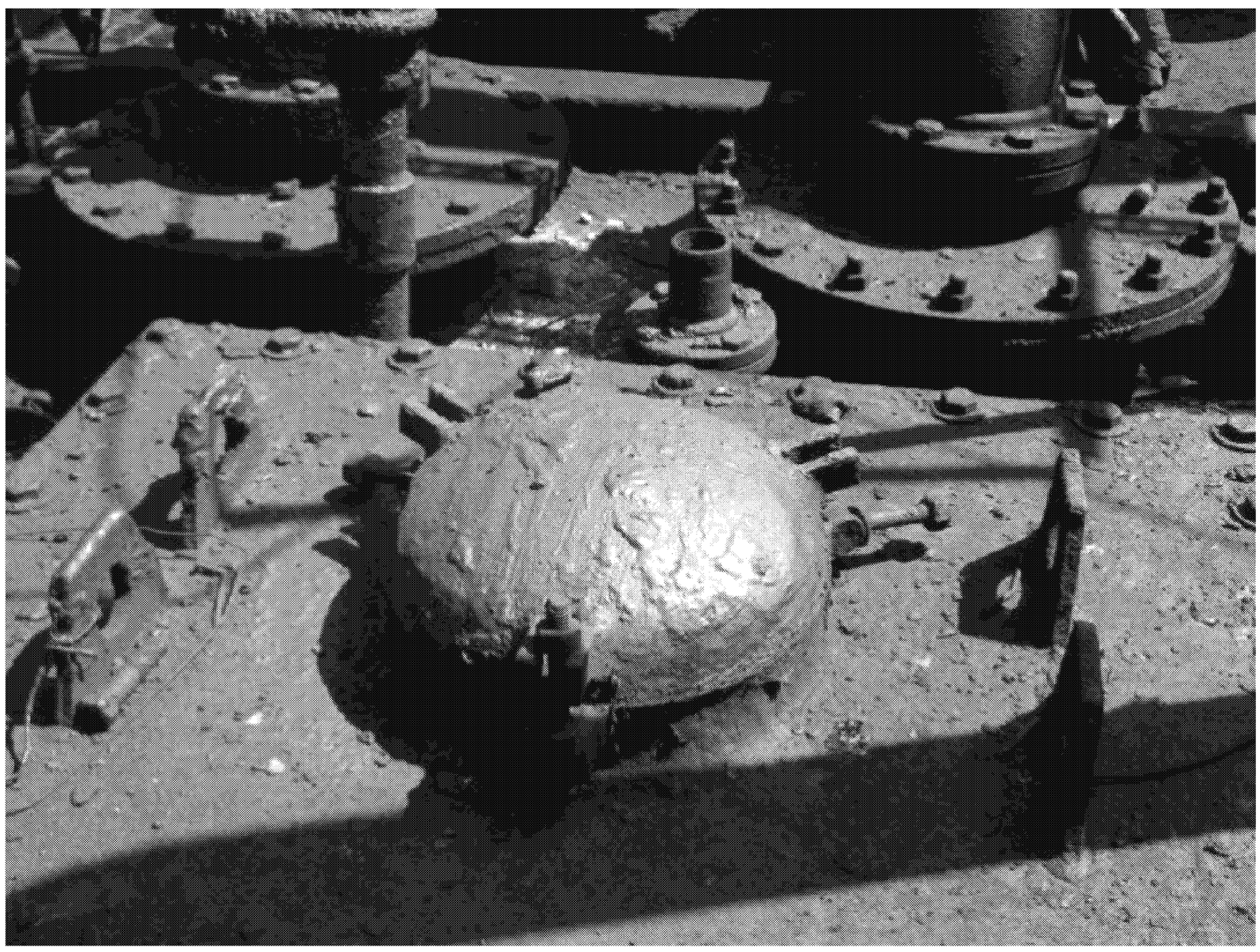

Photo Number: IMGP0056 Photographer: D. Au
Date/Time: 5/6/2011 2:53:56 PM
Description: Leaking rounded hatch cover on primary cooler sump

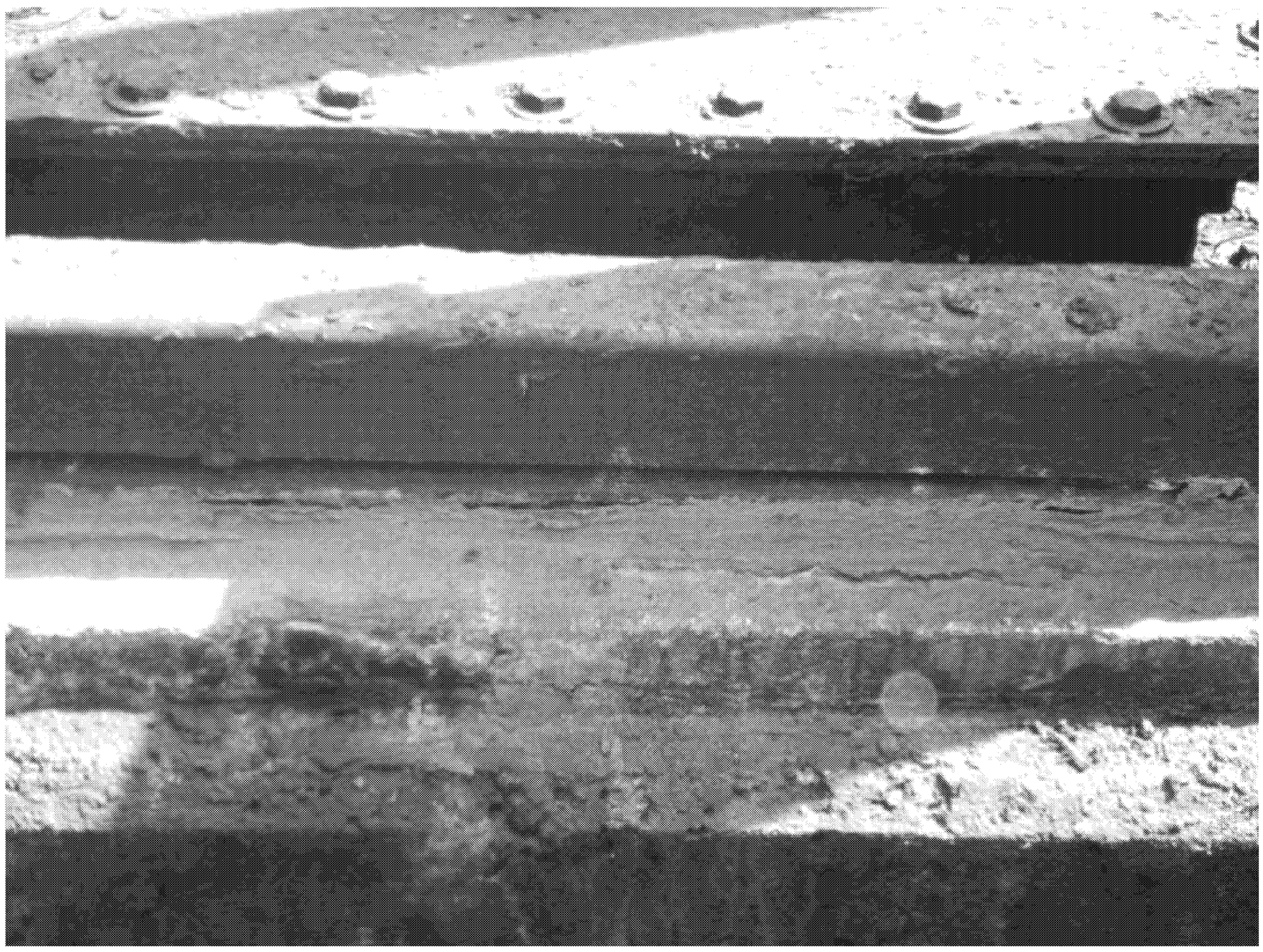

Photo Number: IMGP0057 Photographer: D. Au
Date/Time: 5/6/2011 2:59:41 PM
Description: Leaking seal on north side of primary cooler sump

Photo Number: IMGP0058 Photographer: D. Au
Date/Time: 5/6/2011 3:46:13 PM
Description: Open drain on west tar decanter

Photo Number: IMGP0059 Photographer: D. Au
Date/Time: 5/6/2011 3:46:29 PM
Description: Open drain on east tar decanter

Photo Number: IMGP0060 Photographer: D. Au
Date/Time: 5/6/2011 3:56:39 PM
Description: Missing plug near valves 1967 and 1966

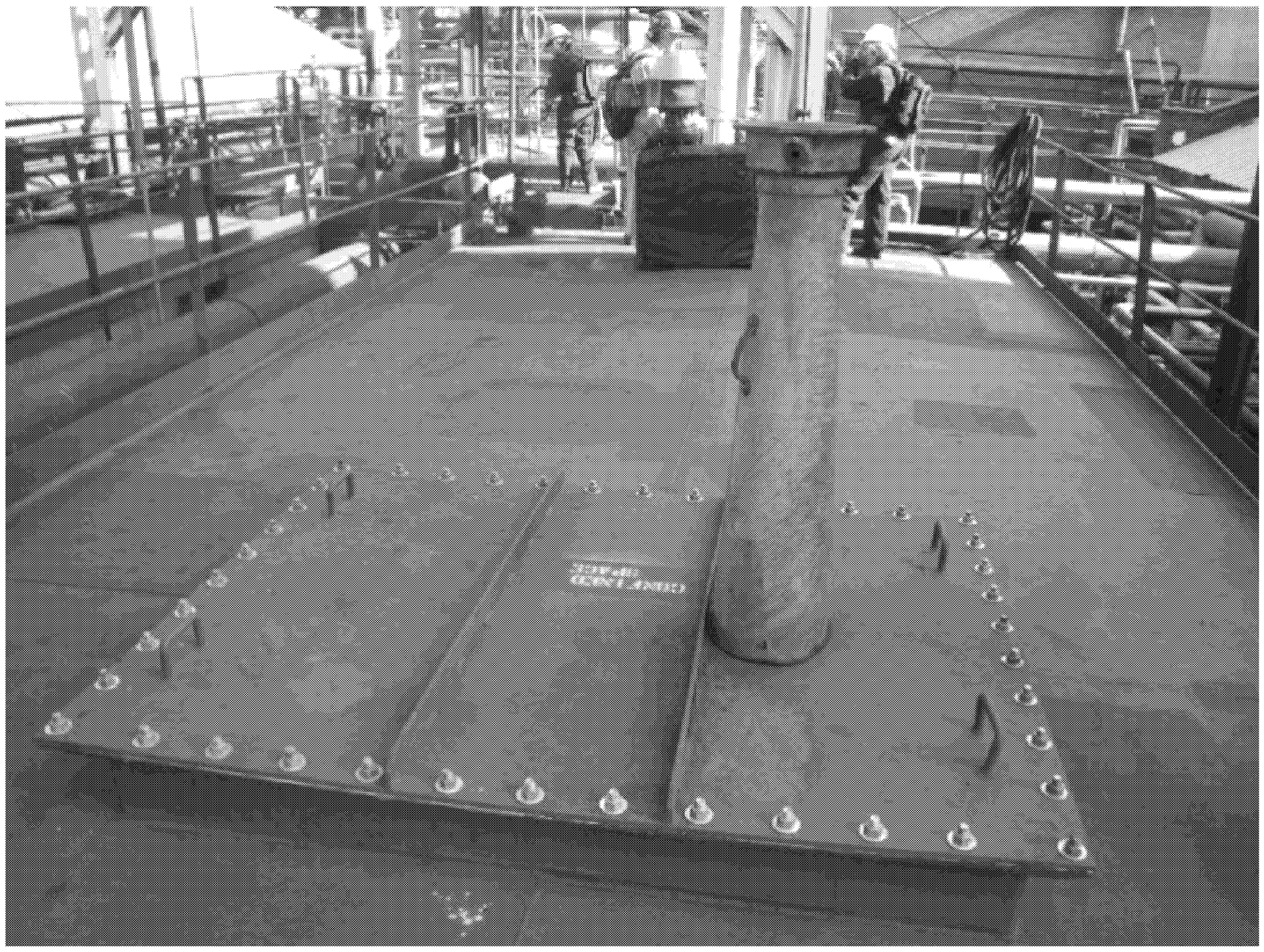

Photo Number: IMGP0061 Photographer: D. Au
Date/Time: 5/9/2011 8:58:40 AM
Description: East tar decanter large rectangular gasketed hatch (on top)

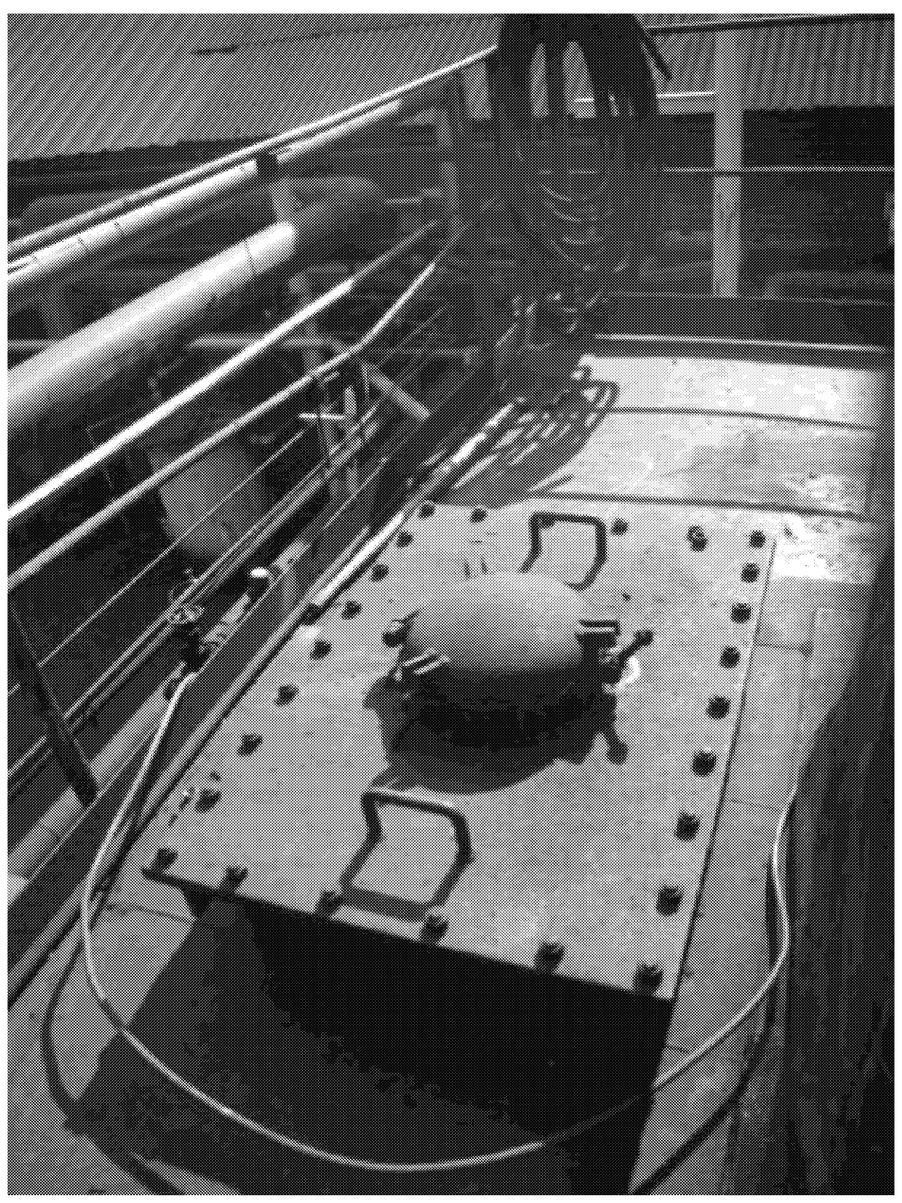

Photo Number: IMGP0062 Photographer: D. Au
Date/Time: 5/9/2011 9:00:29 AM
Description: Small round hatch on top of east tar decanter

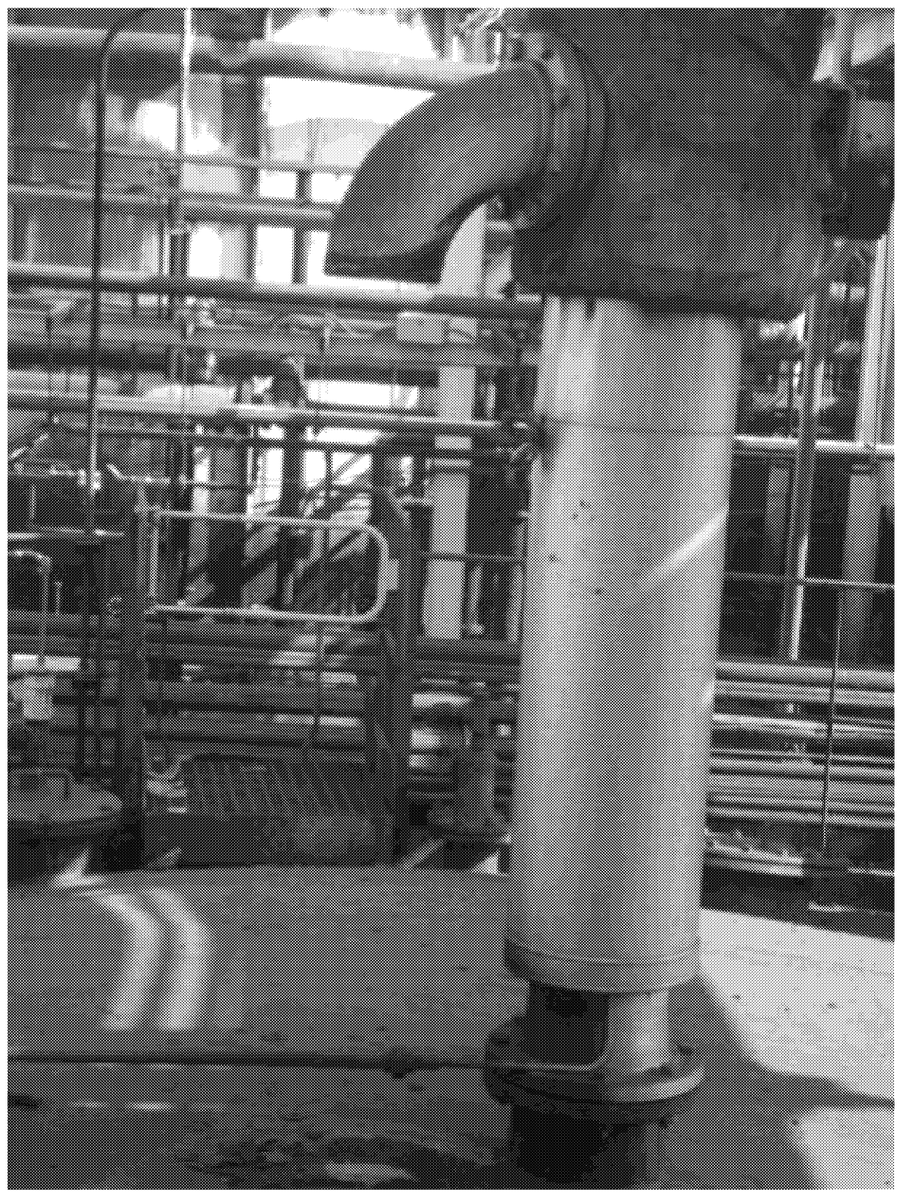

Photo Number: IMGP0063 Photographer: D. Au
Date/Time: 5/9/2011 9:12:44 AM
Description: Large open vent in center of flushing liquor circulation tank

Photo Number: IMGP0064 Photographer: D. Au
Date/Time: 5/9/2011 9:12:56 AM
Description: Open ended line by missing pump in tar storage area

Photo Number: IMGP0065 Photographer: D. Au
Date/Time: 5/9/2011 9:19:01 AM
Description: PVRV #1043 on flusing liquor circulation tank-leaking

Photo Number: IMGP0066 Photographer: D. Au
Date/Time: 5/9/2011 9:32:02 AM
Description: Open ended line by missing pump in tar storage area

Photo Number: IMGP0067 Photographer: D. Au
Date/Time: 5/9/2011 9:33:14 AM
Description: Missing plug in tar storage area near pumps

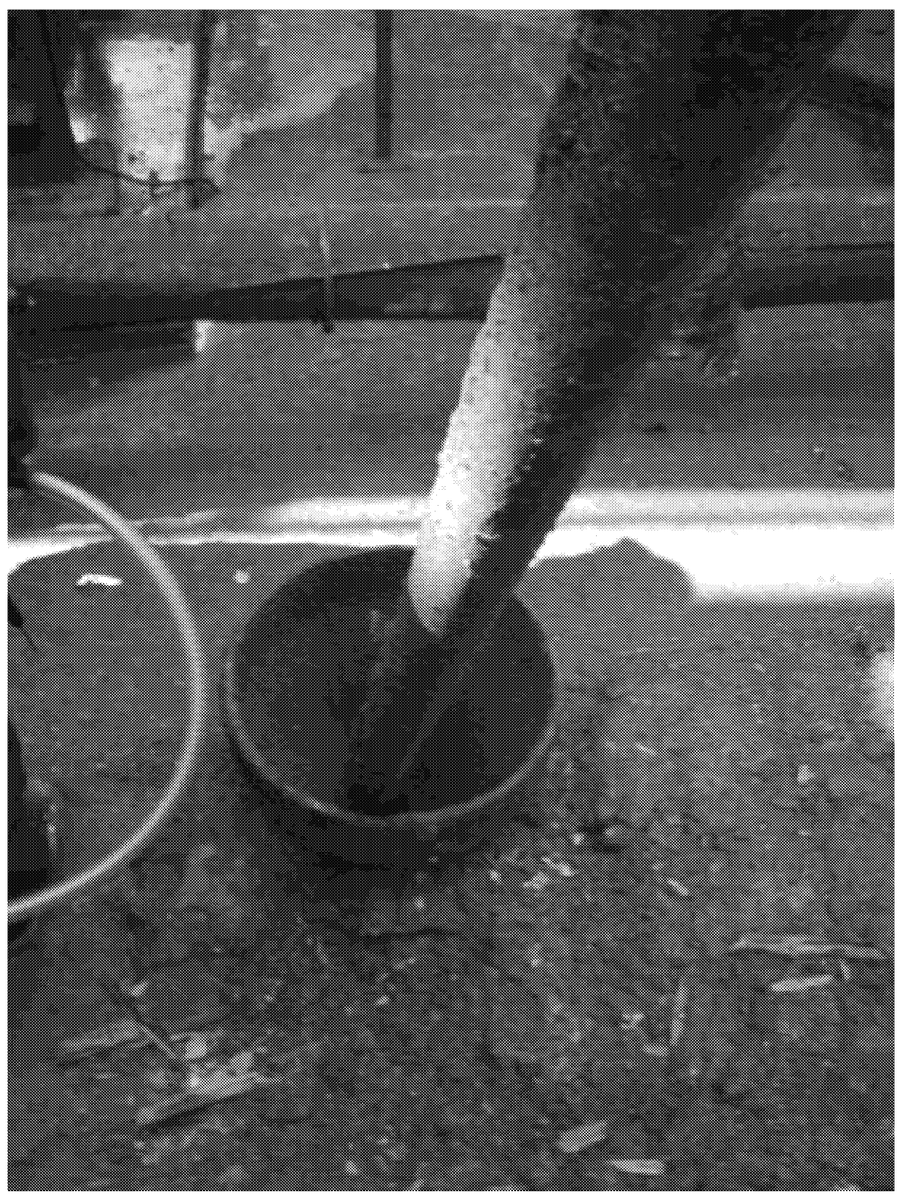

Photo Number: IMGP0068 Photographer: D. Au
Date/Time: 5/9/2011 9:38:23 AM
Description: Drain pot in tar storage area that goes to open ditch

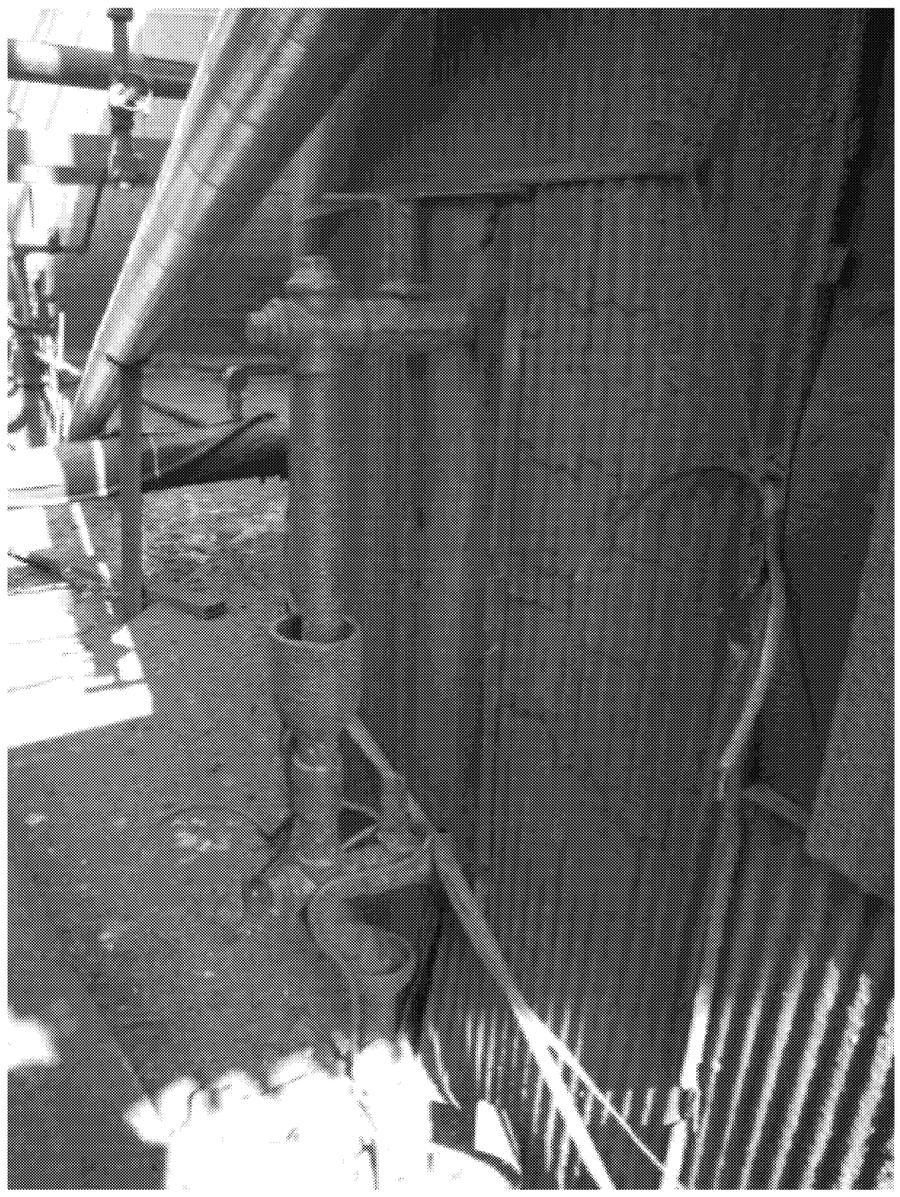

Photo Number: IMGP0069 Photographer: D. Au
Date/Time: 5/9/2011 9:41:19 AM
Description: Drain on east tar storage tank

Photo Number: IMGP0070 Photographer: D. Au
Date/Time: 5/9/2011 9:53:26 AM
Description: Leaking valve 1923

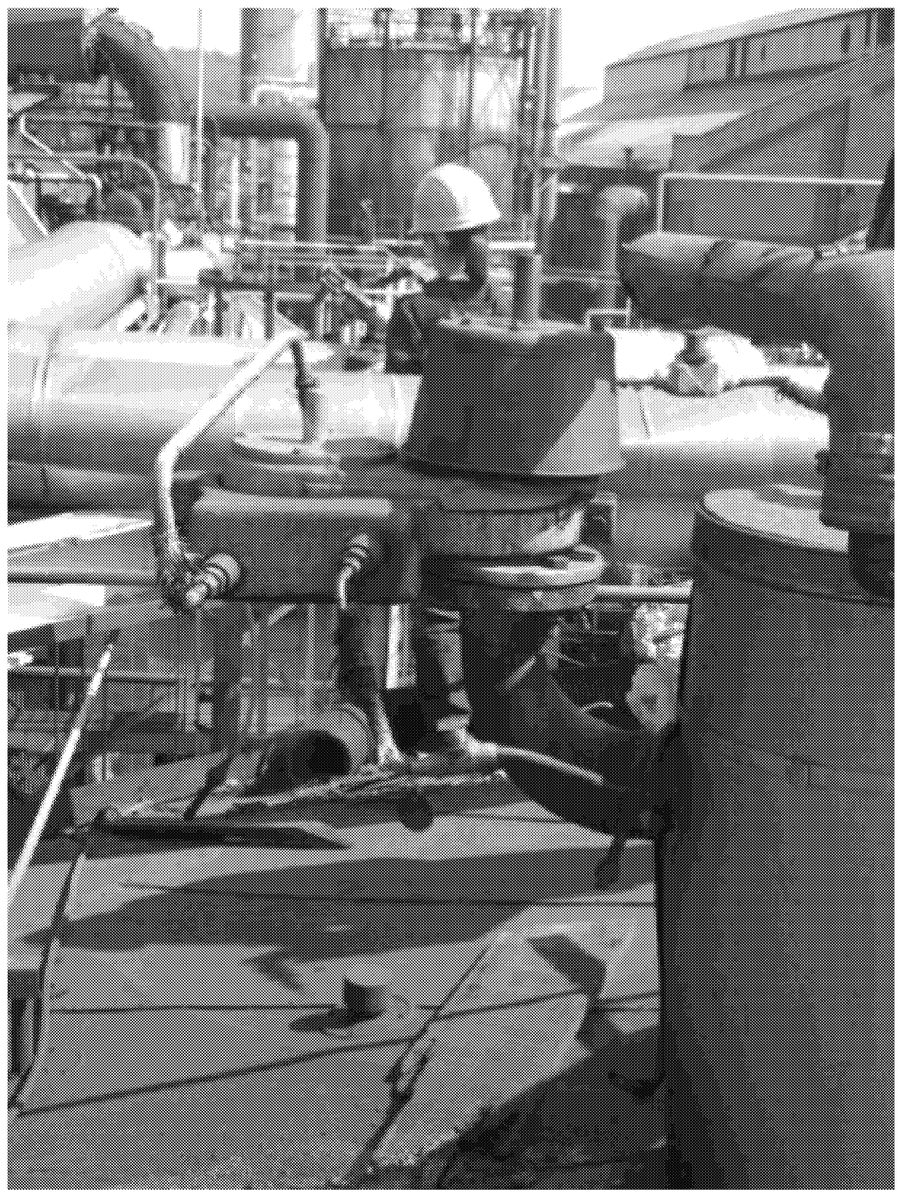

Photo Number: IMGP0071 Photographer: D. Au
Date/Time: 5/9/2011 9:55:38 AM
Description: Leaking flange near 1945 PVRV

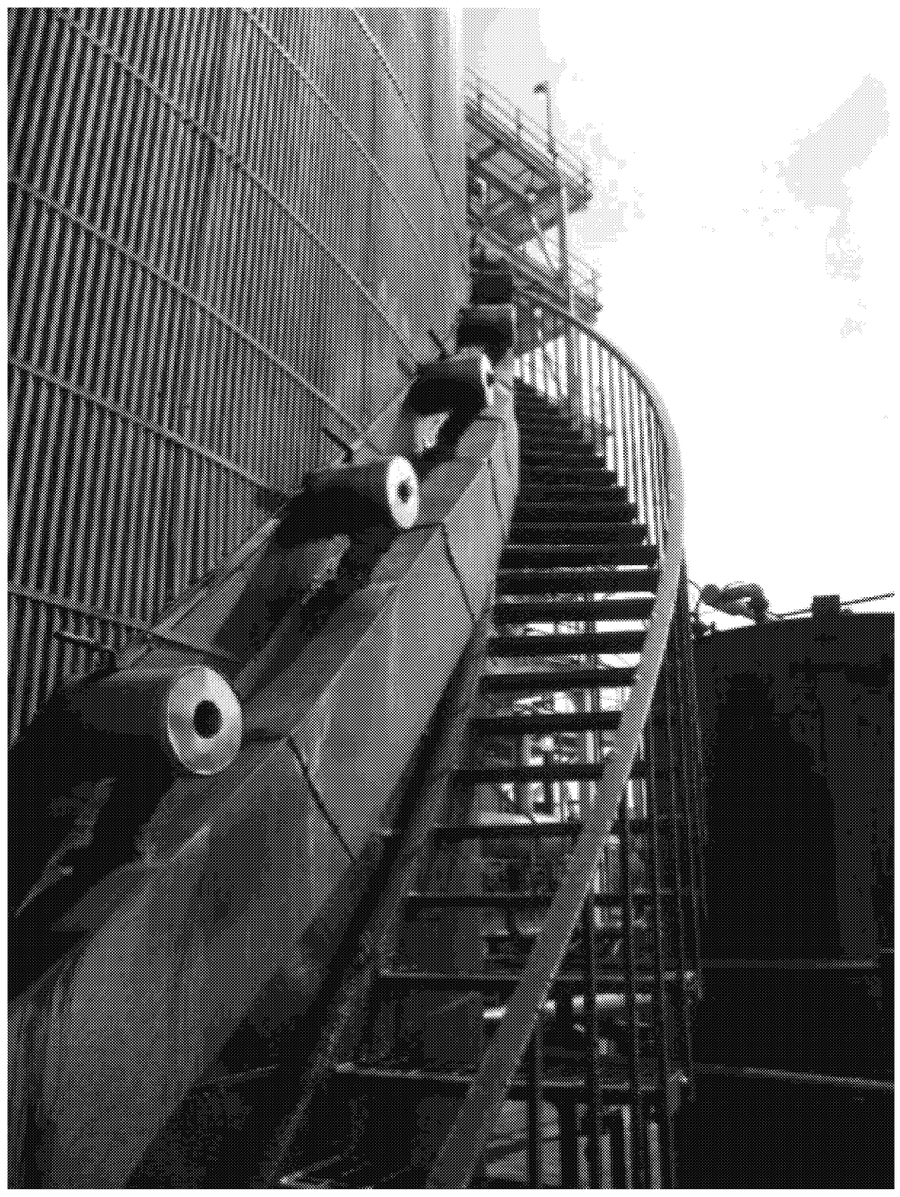

Photo Number: IMGP0072 Photographer: D. Au
Date/Time: 5/9/2011 10:11:11 AM
Description: Old tar level sample ports on tar storage tank

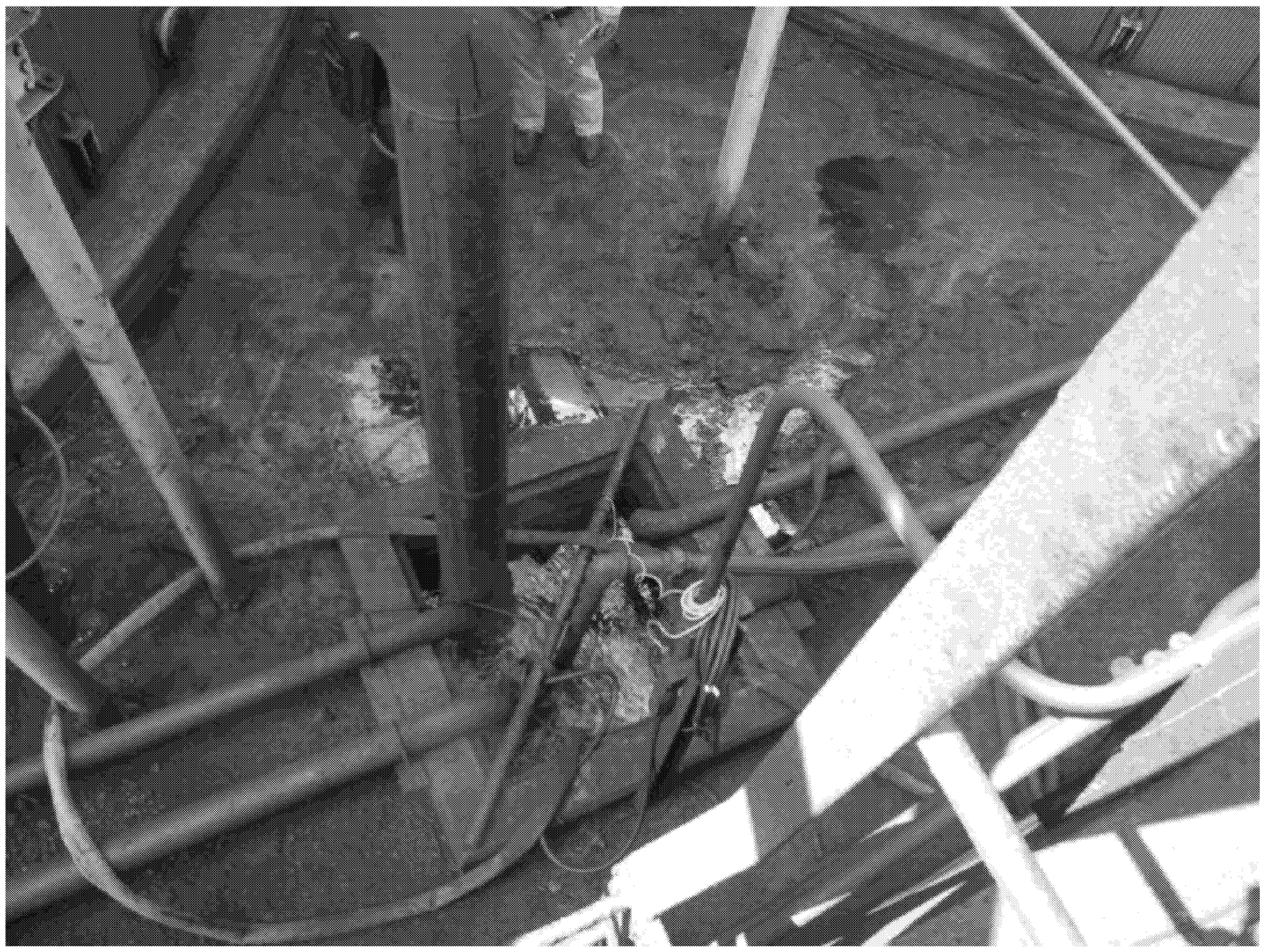

Photo Number: IMGP0073 Photographer: D. Au
Date/Time: 5/9/2011 10:11:22 AM
Description: Containment sump in dirty liquor storage area

Photo Number: IMGP0074 Photographer: D. Au
Date/Time: 5/9/2011 10:11:35 AM
Description: Trycock valves on dirty liquor storage tank

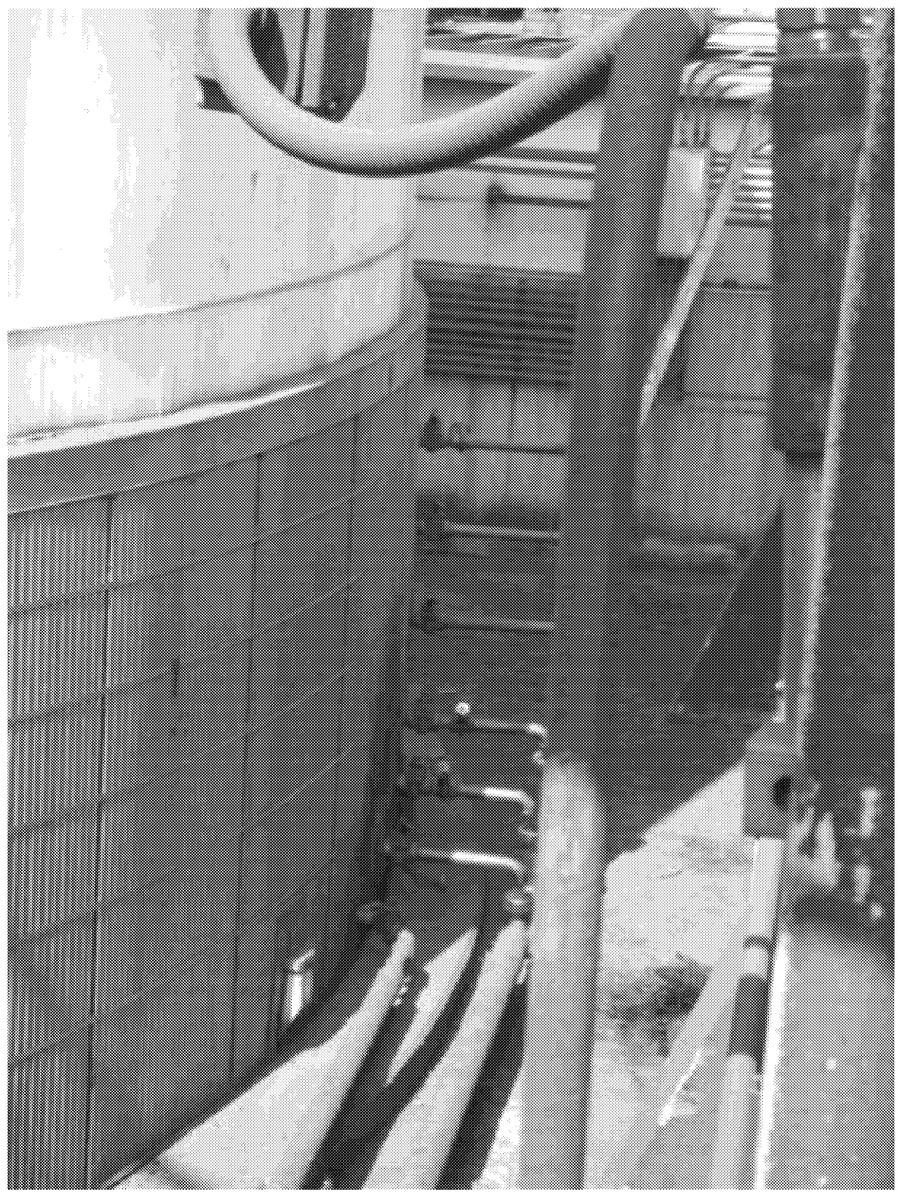

Photo Number: IMGP0075 Photographer: D. Au
Date/Time: 5/9/2011 10:11:42 AM
Description: Trycock valves on dirty liquor storage tank

Photo Number: IMGP0076 Photographer: D. Au
Date/Time: 5/9/2011 10:24:31 AM
Description: Wilputte Battery Flare

Photo Number: IMGP0077 Photographer: M. Hamre
Date/Time: 5/9/2011 10:32:48 AM
Description: PRV and rupture disk on dirty liquor storage tank-leaks

Photo Number: IMGP0078 Photographer: D. Au
Date/Time: 5/9/2011 10:38:22 AM
Description: Trycock valves on dirty liquor storage tank

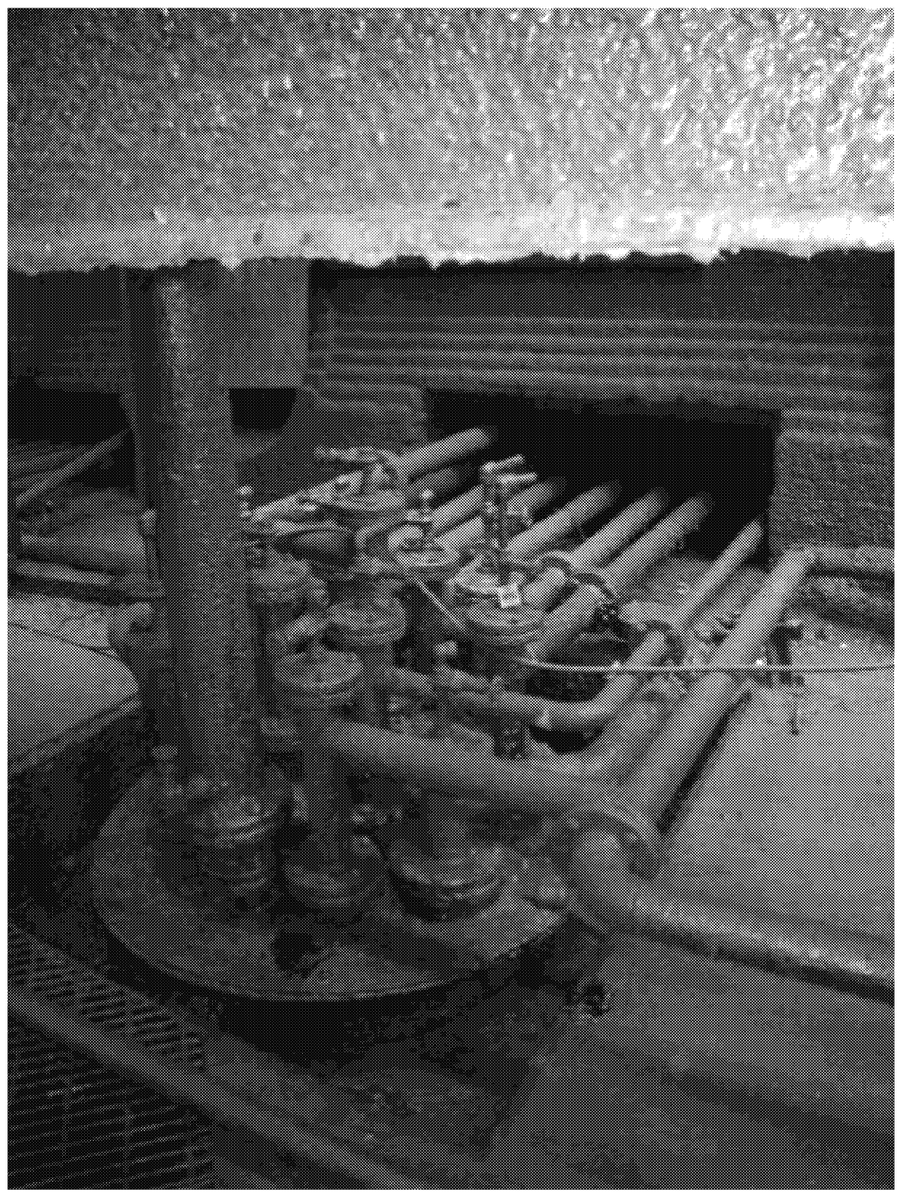

Photo Number: IMGP0079 Photographer: D. Au
Date/Time: 5/9/2011 11:02:20 AM
Description: South exhauster seal pot

Photo Number: IMGP0080 Photographer: D. Au
Date/Time: 5/9/2011 11:06:26 AM
Description: North exhauster seal pot

Photo Number: IMGP0081 Photographer: M. Hamre
Date/Time: 5/9/2011 2:08:06 PM
Description: Thickener - looking west

Photo Number: IMGP0082 Photographer: M. Hamre
Date/Time: 5/9/2011 2:08:26 PM
Description: Thickener - looking east

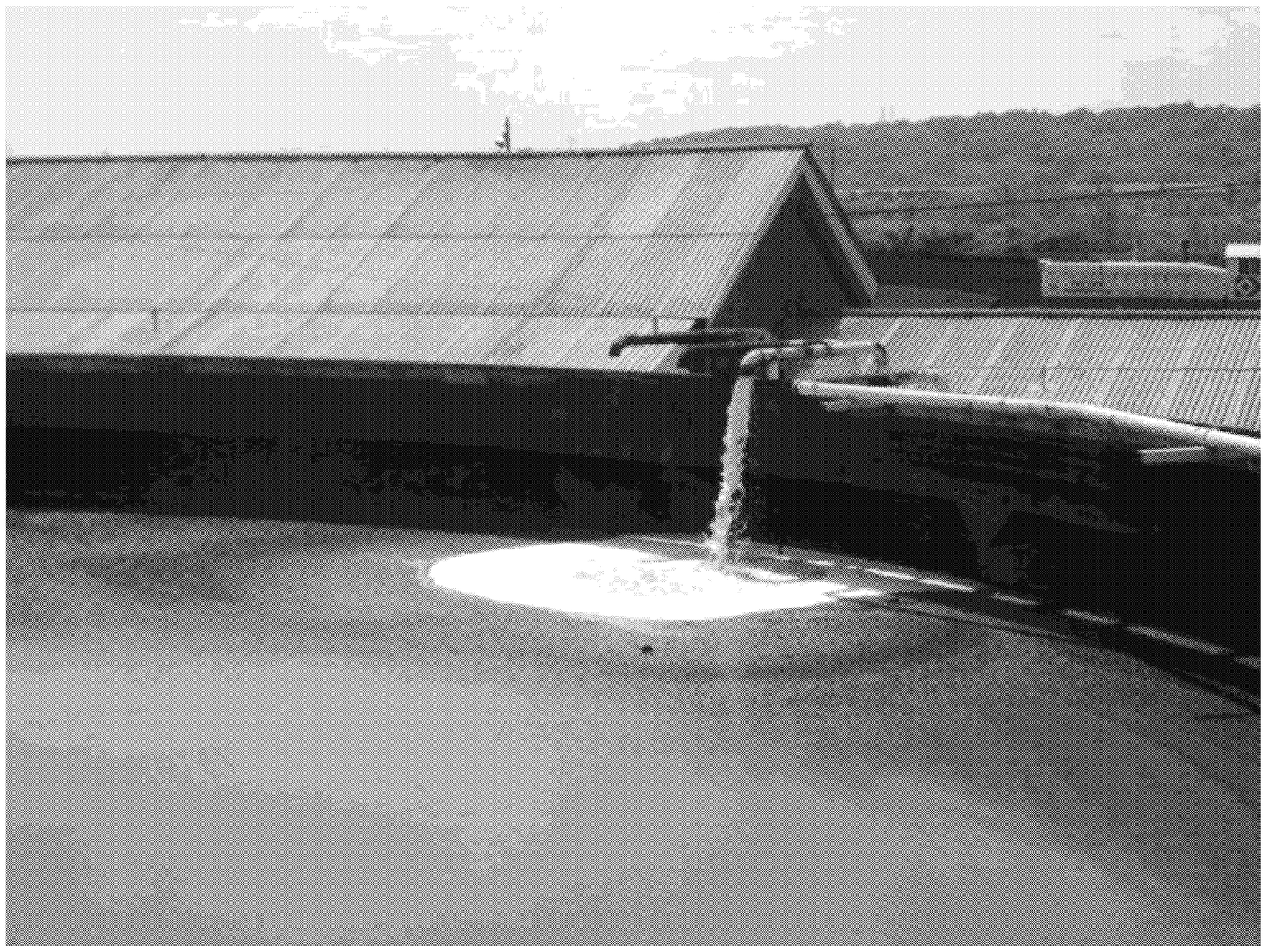

Photo Number: IMGP0083 Photographer: M. Hamre
Date/Time: 5/9/2011 2:10:20 PM
Description: Thickener - input pipes

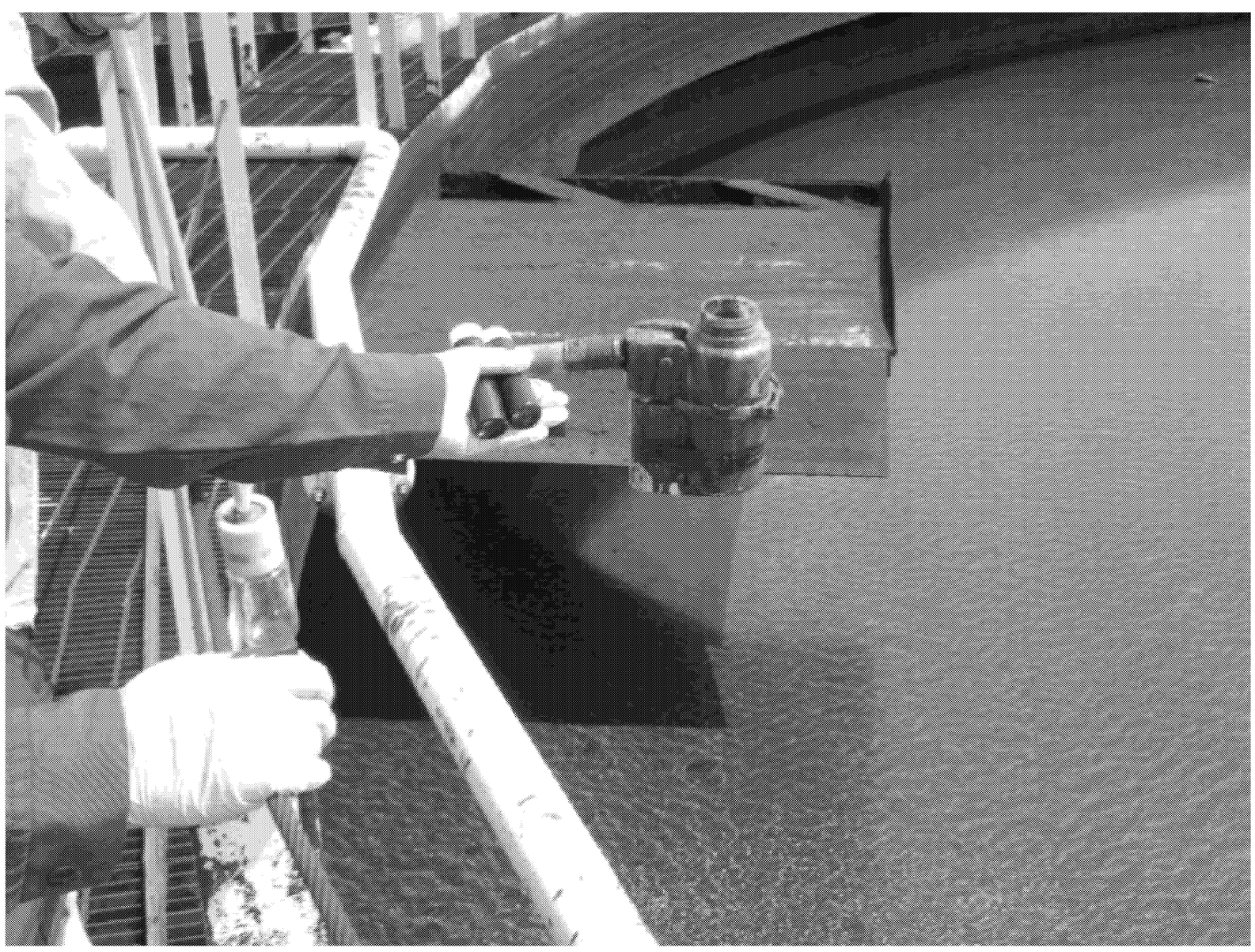

Photo Number: IMGP0084 Photographer: M. Hamre
Date/Time: 5/9/2011 2:28:41 PM
Description: Thickener - top layer samples - Station 8

Photo Number: IMGP0085 Photographer: M. Hamre
Date/Time: 5/9/2011 2:44:28 PM
Description: Thickener - lower layer samples - Station 9

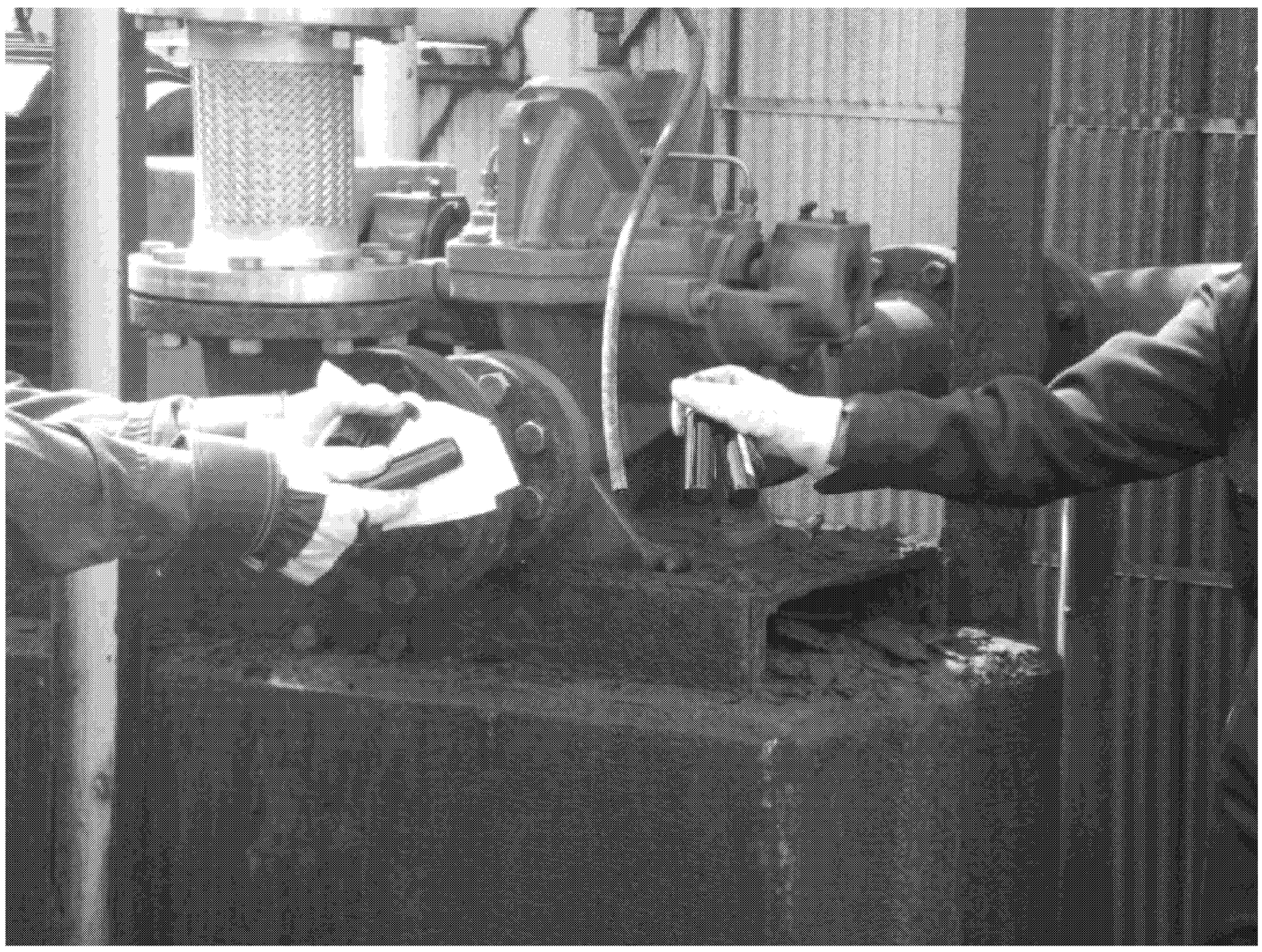

Photo Number: IMGP0086 Photographer: M. Hamre
Date/Time: 5/9/2011 3:11:40 PM
Description: West dirty liquor storage tank samples - Station 1

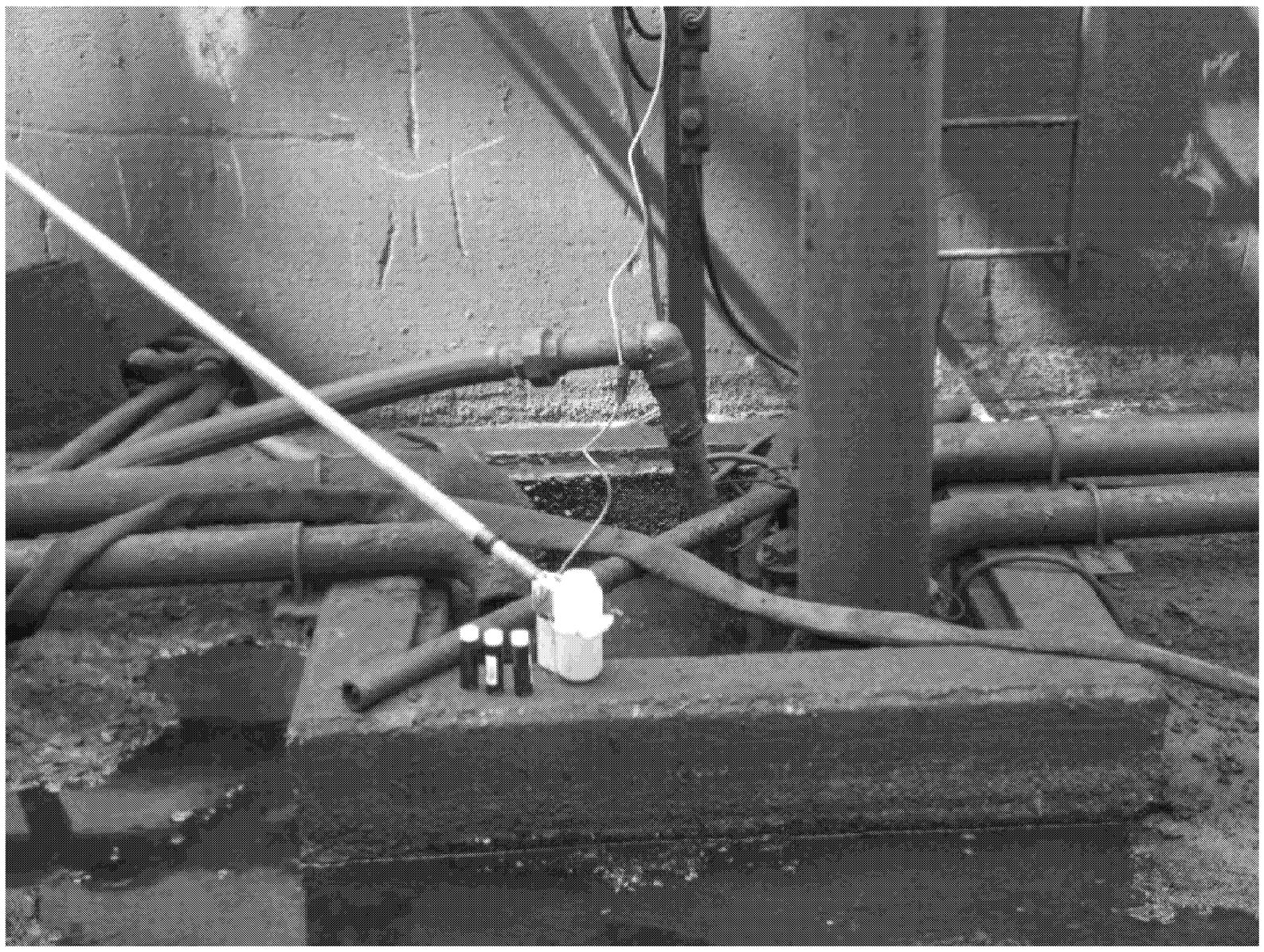

Photo Number: IMGP0087 Photographer: M. Hamre
Date/Time: 5/9/2011 3:20:18 PM
Description: Liquor storage containment sump - Station 10

Photo Number: IMGP0088 Photographer: M. Hamre
Date/Time: 5/9/2011 3:37:29 PM
Description: Ammonia still effluent sample - Station 2

Photo Number: IMGP0089 Photographer: M. Hamre
Date/Time: 5/9/2011 3:51:37 PM
Description: Tar decanter sludge sample - Station 3

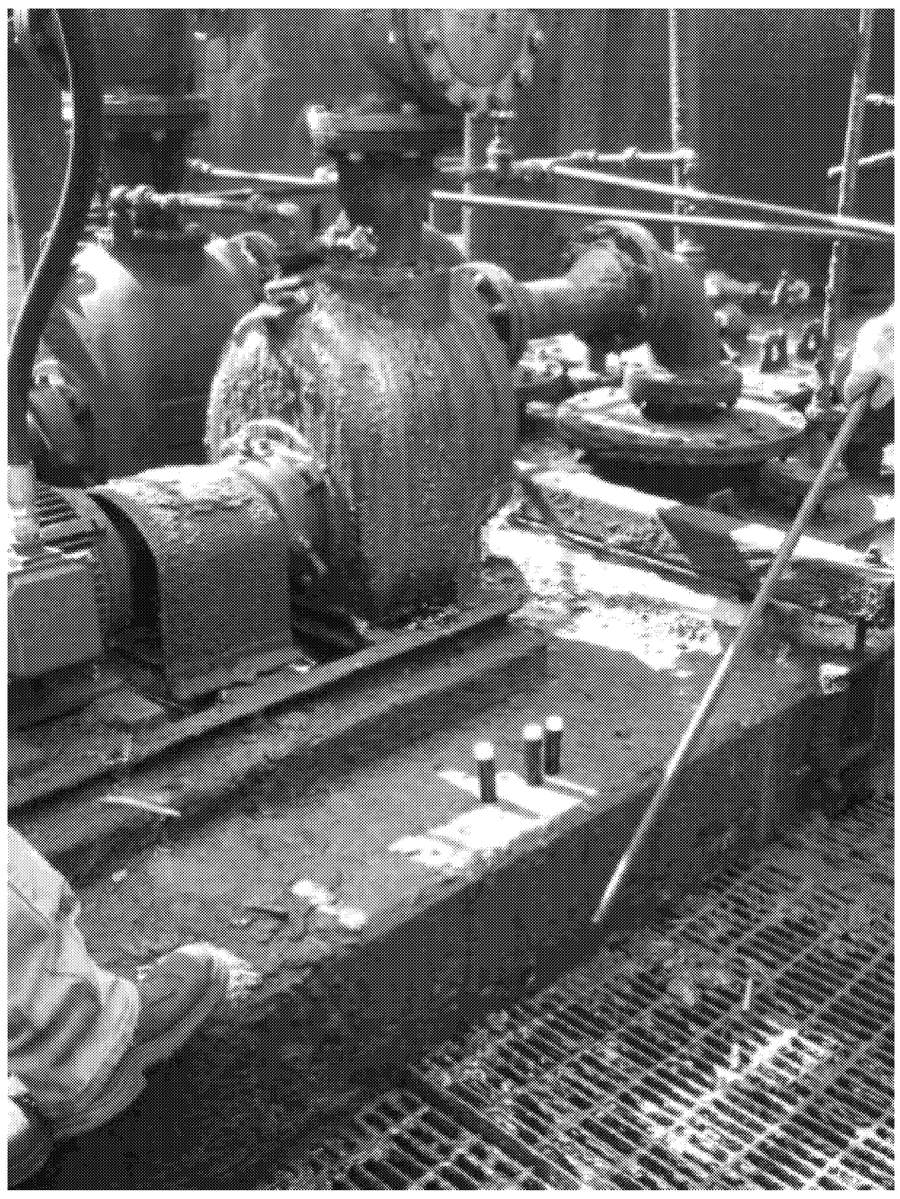

Photo Number: IMGP0090 Photographer: M. Hamre
Date/Time: 5/9/2011 4:04:34 PM
Description: Primary cooler sump - Station 4

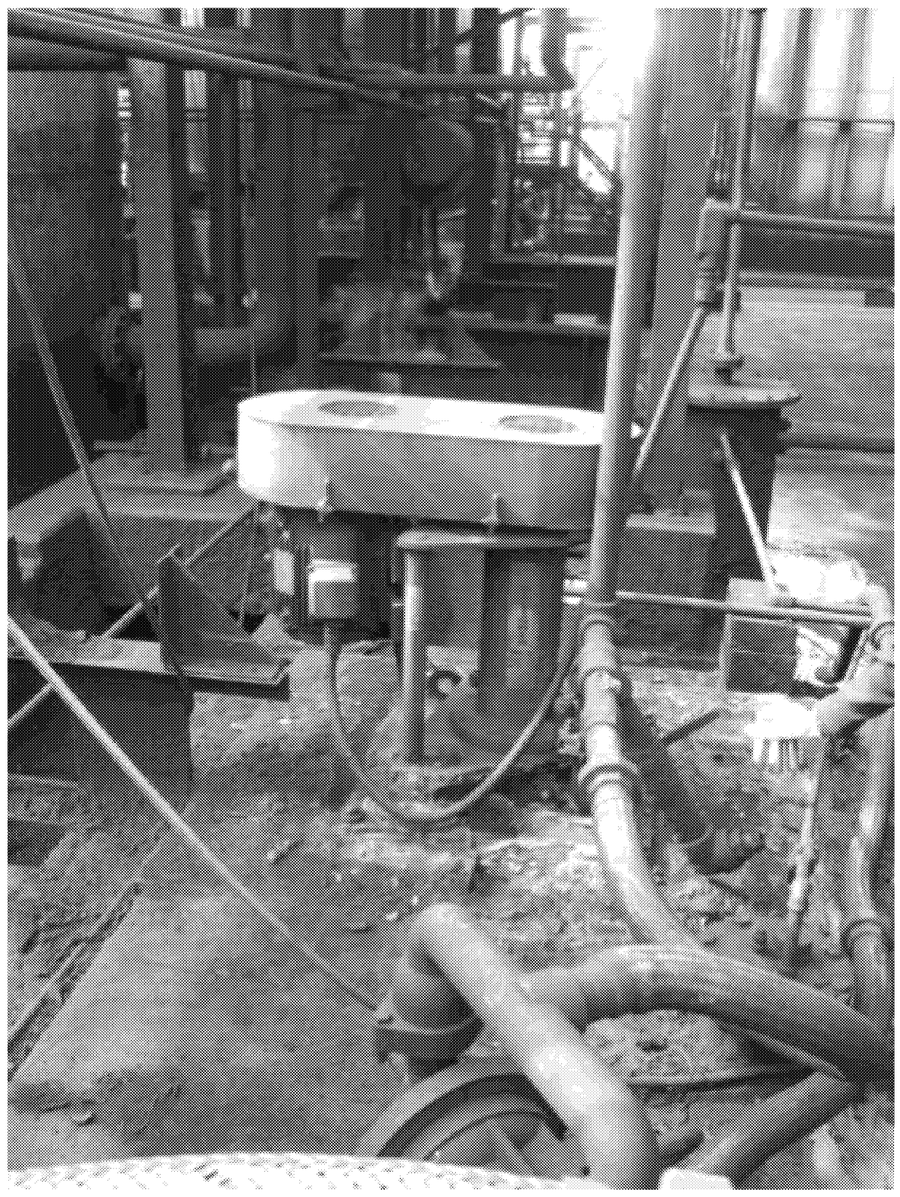

Photo Number: IMGP0091 Photographer: M. Hamre
Date/Time: 5/9/2011 4:19:17 PM
Description: Dirty water sump samples - Station 5

Photo Number: IMGP0092 Photographer: M. Hamre
Date/Time: 5/9/2011 4:24:23 PM
Description: Cast drip pot - Station 7 samples

Photo Number: IMGP0093 Photographer: M. Hamre
Date/Time: 5/9/2011 4:24:42 PM
Description: Overview of cast drip pot - Station 7

Photo Number: IMGP0094 Photographer: M. Hamre
Date/Time: 5/9/2011 4:34:00 PM
Description: Naphthalene sump samples - Station 6

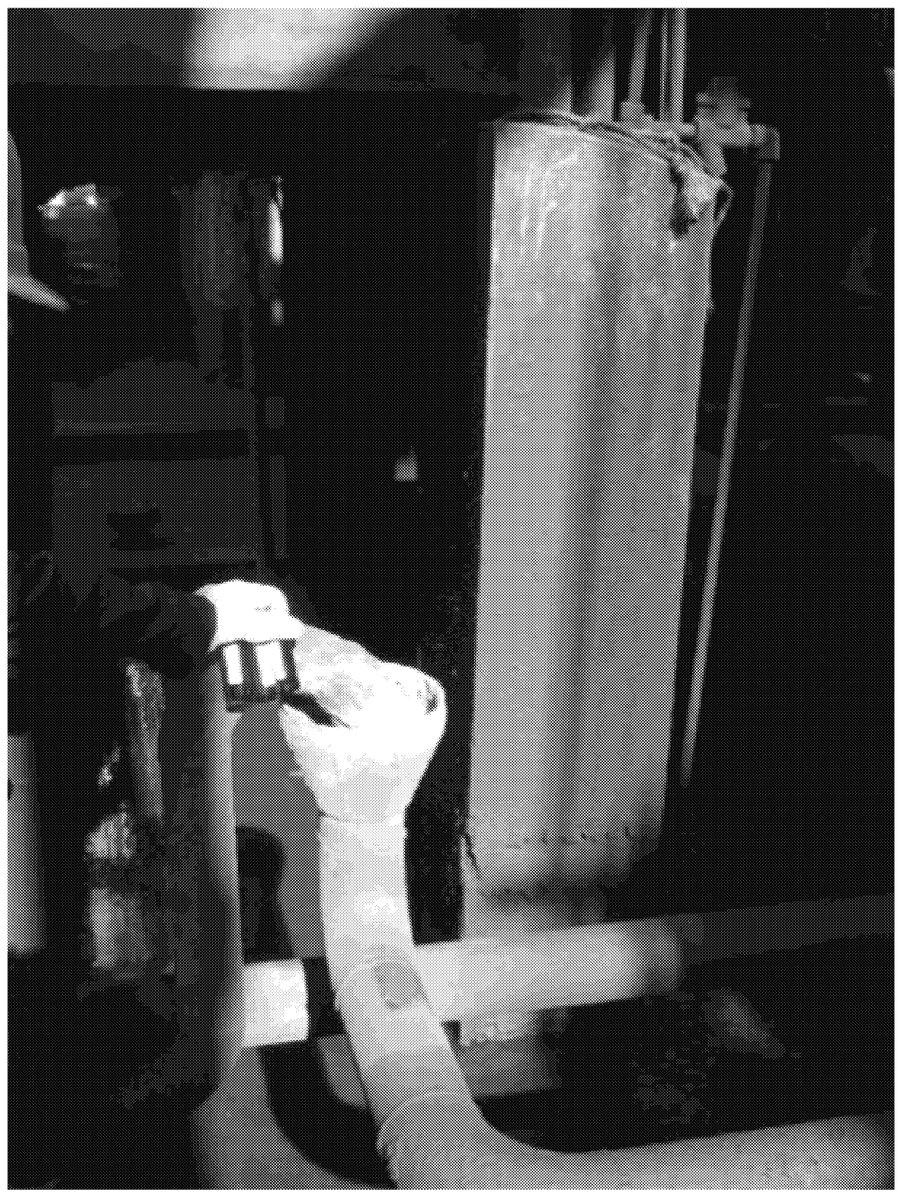

Photo Number: IMGP0095 Photographer: M. Hamre
Date/Time: 5/9/2011 4:42:09 PM
Description: BTX tank overflow samples - Station 11

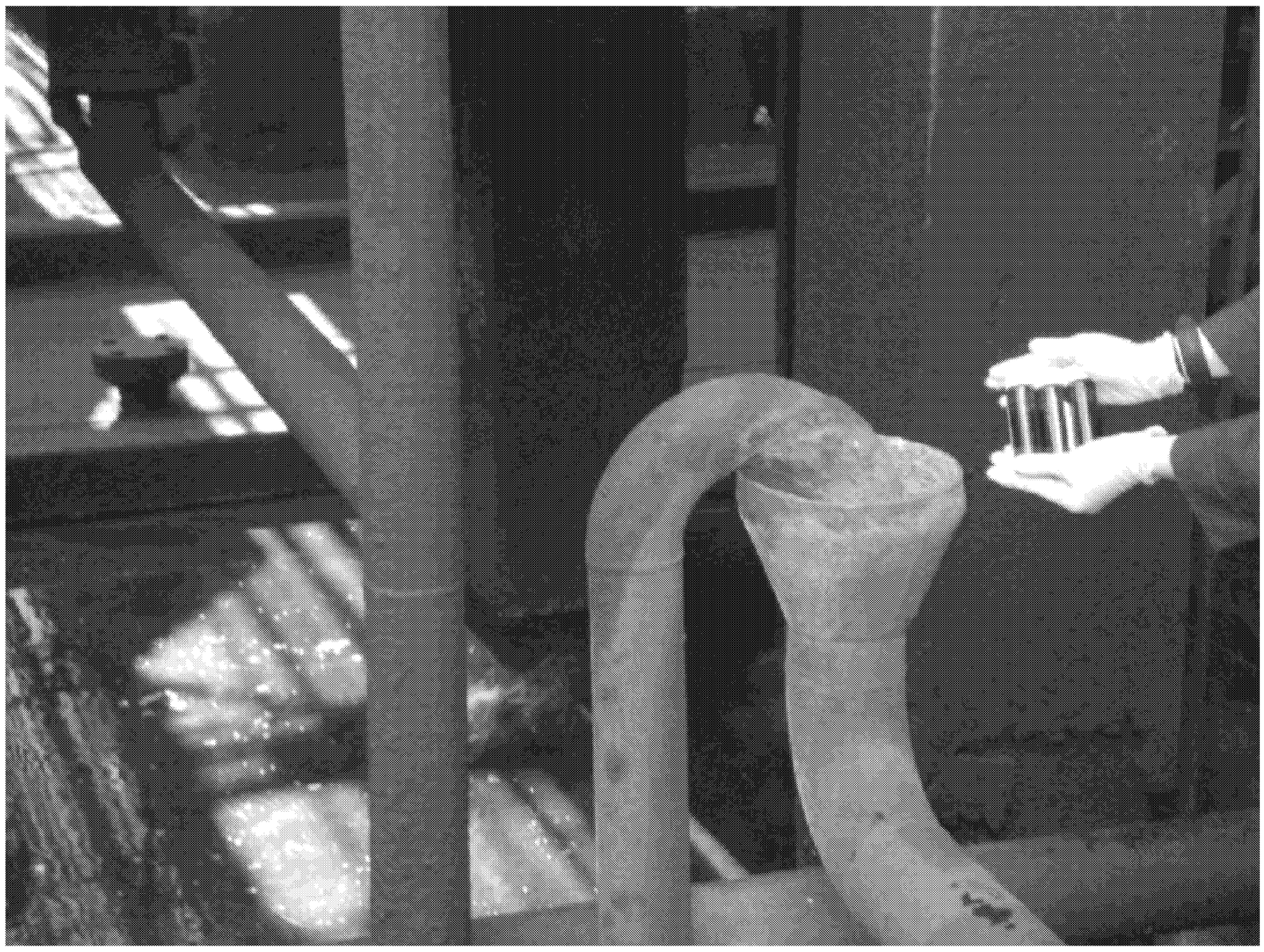

Photo Number: IMGP0096 Photographer: M. Hamre
Date/Time: 5/10/2011 8:32:29 AM
Description: BTX tank overflow - Station 11

Photo Number: IMGP0097 Photographer: M. Hamre
Date/Time: 5/10/2011 8:32:47 AM
Description: BTX tank overview

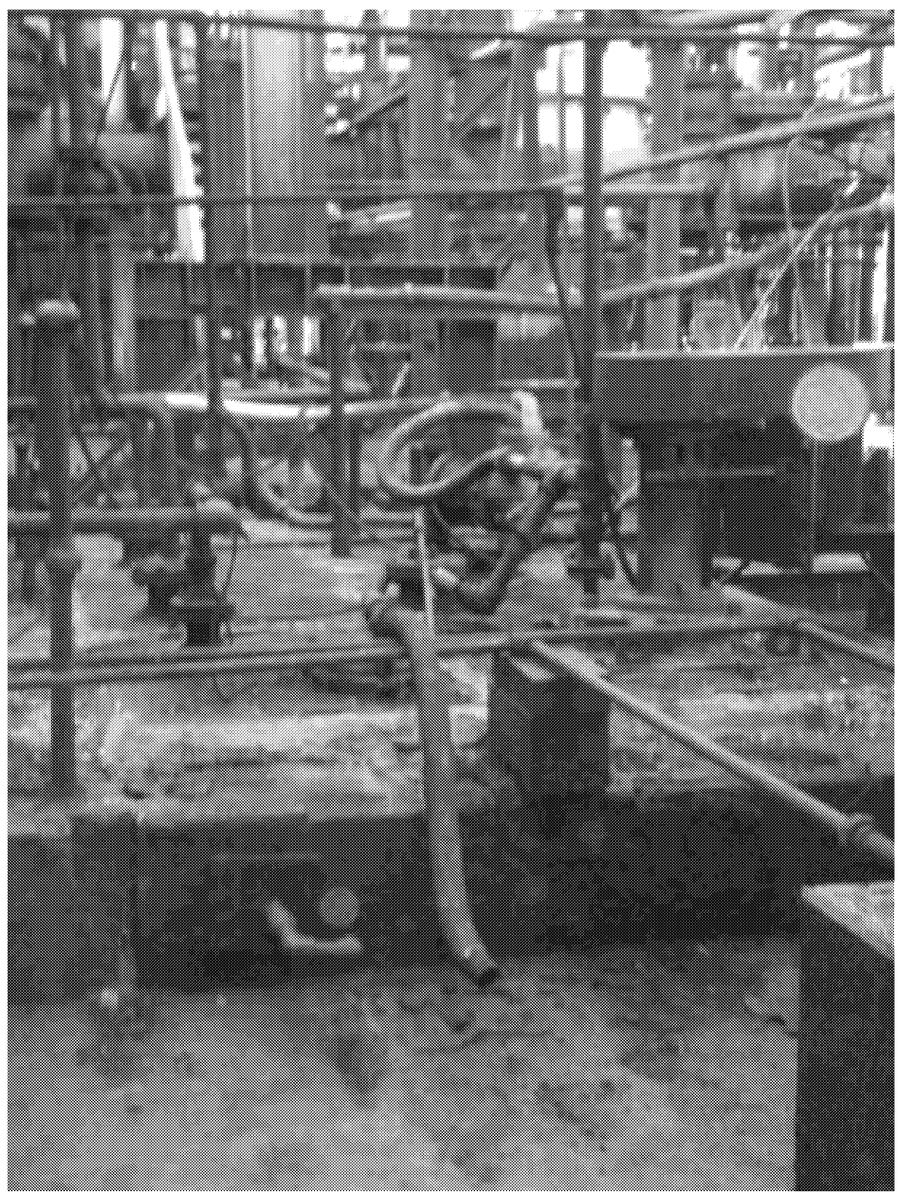

Photo Number: IMGP0098 Photographer: M. Hamre
Date/Time: 5/10/2011 9:00:06 AM
Description: Overview of dirty water sump

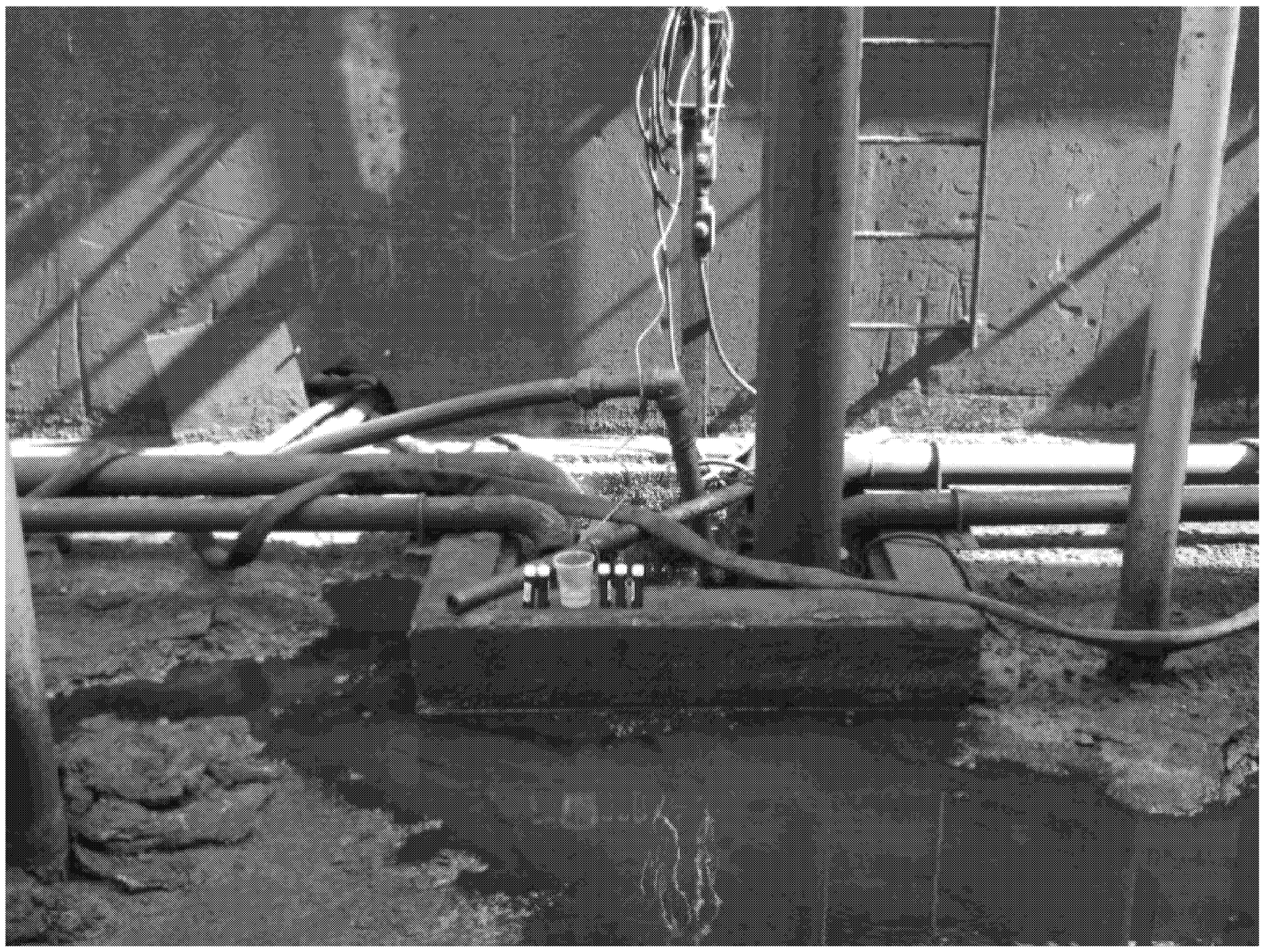

Photo Number: IMGP0099 Photographer: M. Hamre
Date/Time: 5/10/2011 9:14:43 AM
Description: Liquor storage containment sump samples - Station 10

Photo Number: IMGP0100 Photographer: M. Hamre
Date/Time: 5/10/2011 9:24:52 AM
Description: West dirty liquor storage tank samples -Station 1

Photo Number: IMGP0101 Photographer: M. Hamre
Date/Time: 5/10/2011 9:45:32 AM
Description: Thickener - lower layer samples - Station 9

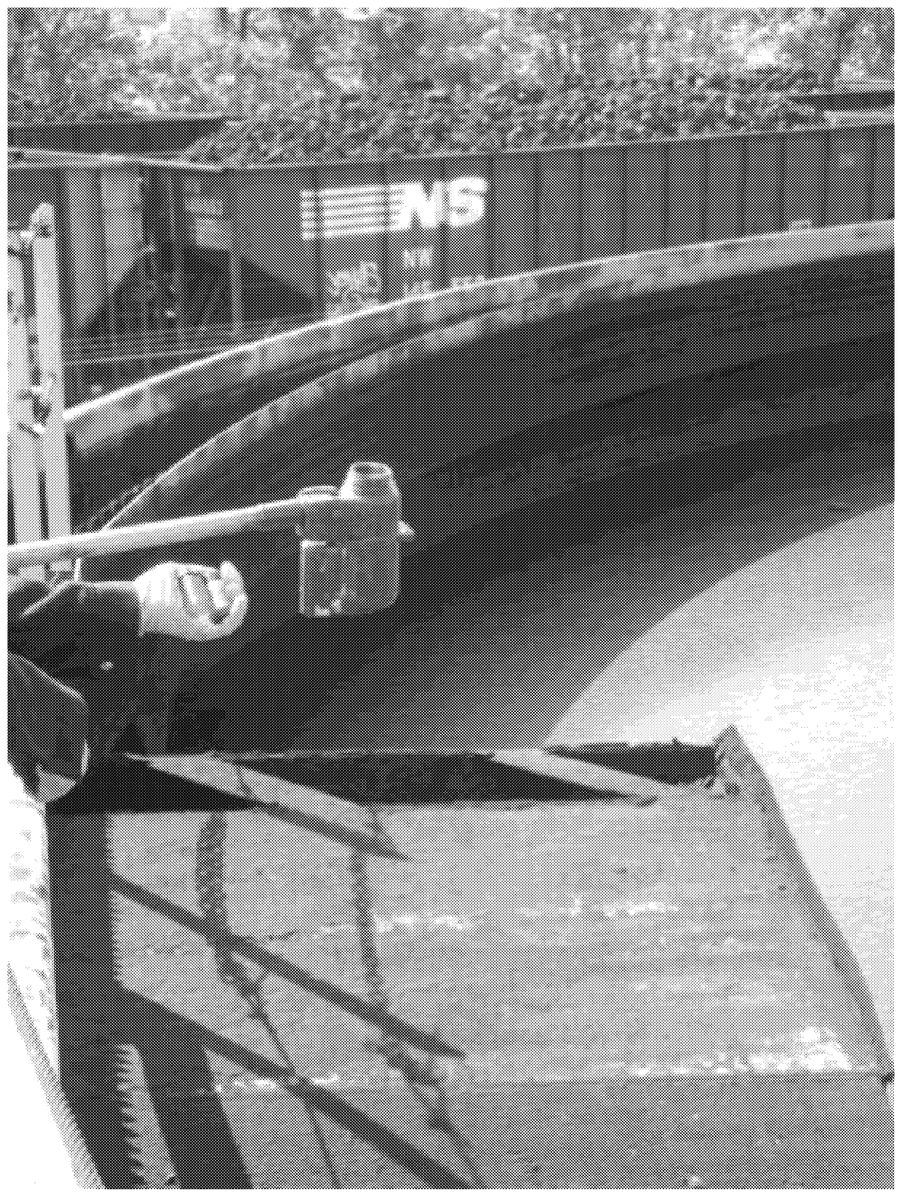

Photo Number: IMGP0102 Photographer: M. Hamre
Date/Time: 5/10/2011 9:56:07 AM
Description: Thickener - top layer samples -Station 8

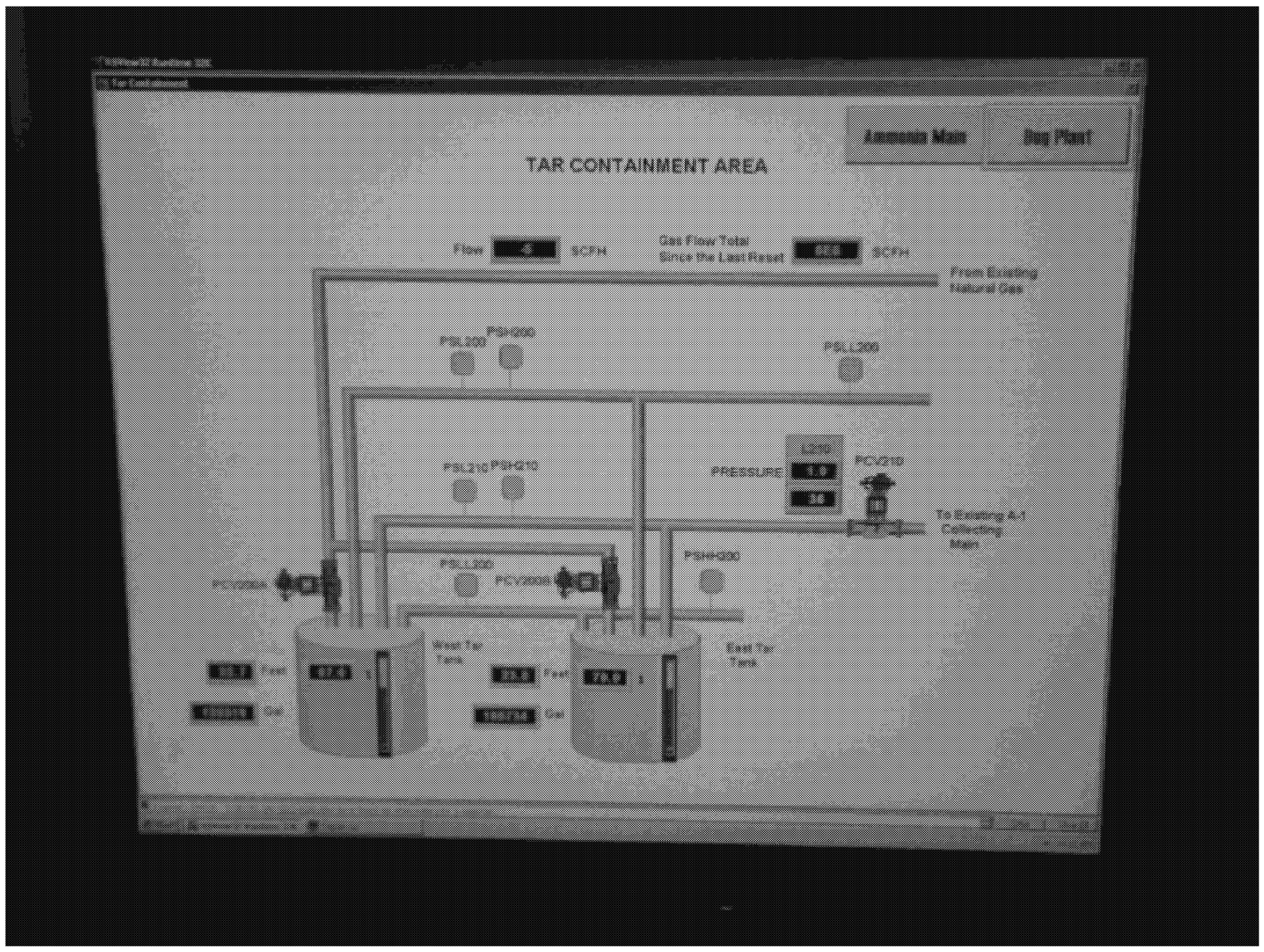

Photo Number: IMGP0103 Photographer: K. Pordesimo
Date/Time: 5/10/2011 10:23:11 AM
Description: Screen shot - tar containment area

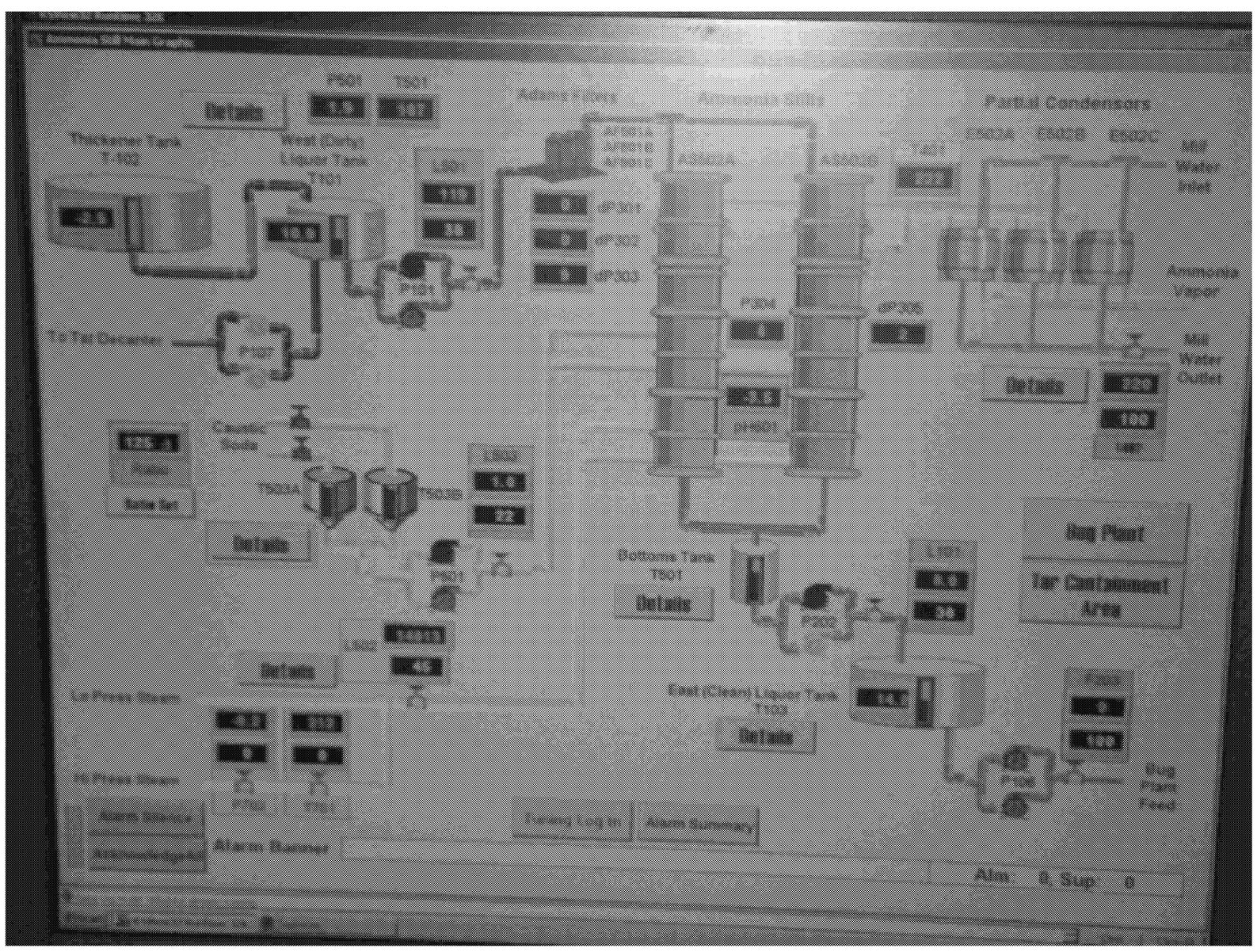

Photo Number: IMGP0104 Photographer: K. Pordesimo
Date/Time: 5/10/2011 10:24:29 AM
Description: Screen shot - ammonia pump and still area

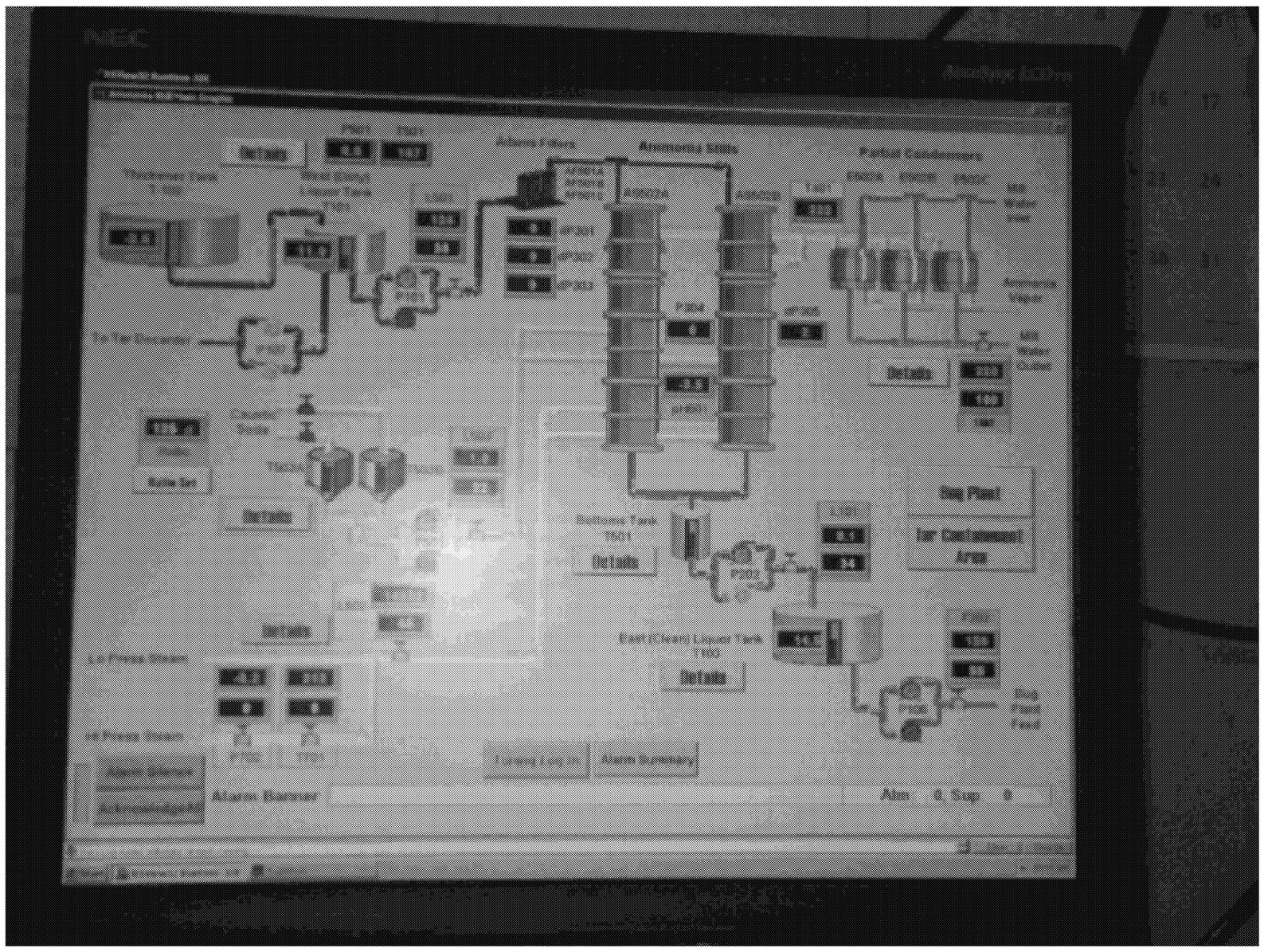

Photo Number: IMGP0105 Photographer: K. Pordesimo
Date/Time: 5/10/2011 10:52:34 AM
Description: Screen shot - ammonia pump and still graphic

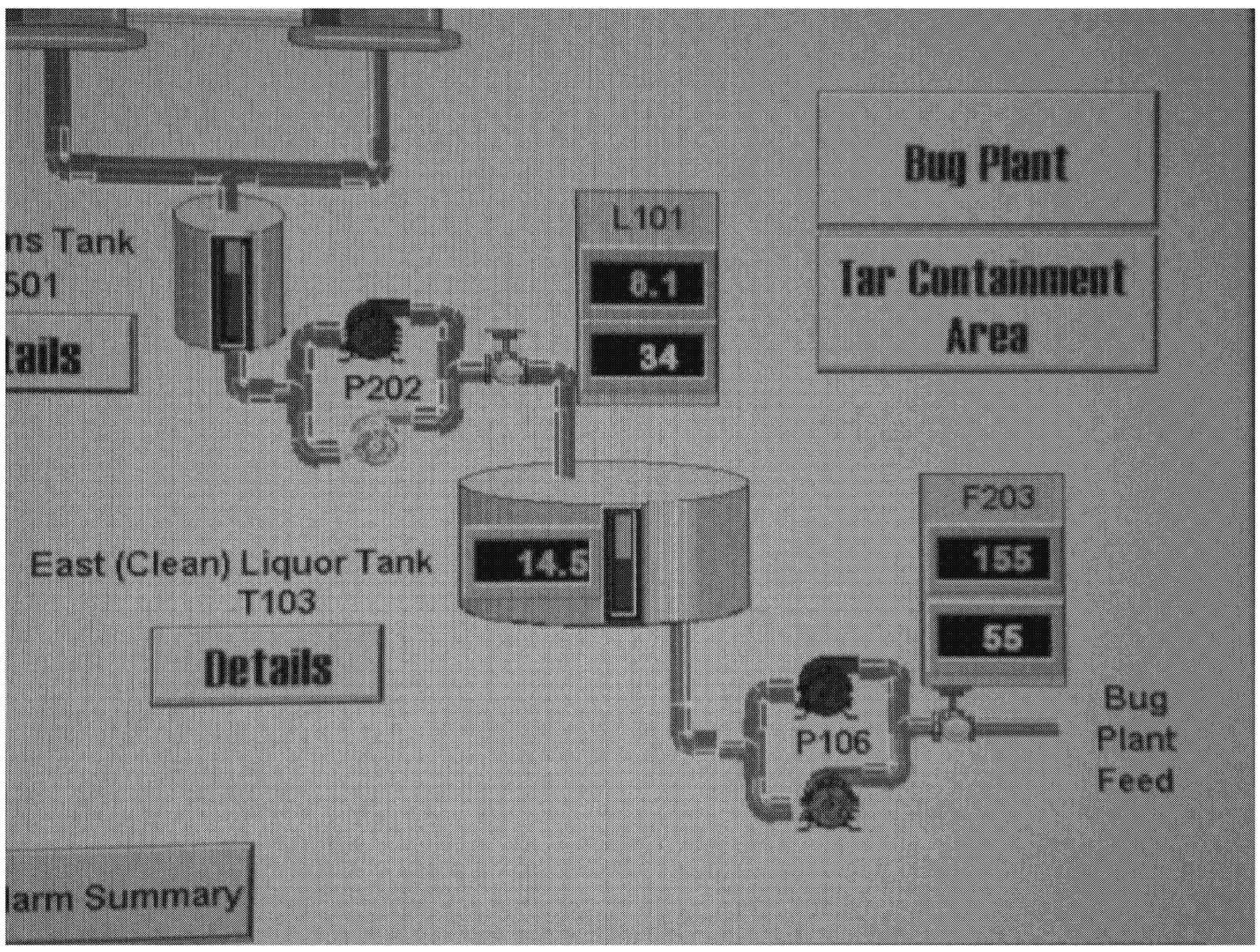

Photo Number: IMGP0106 Photographer: K. Pordesimo
Date/Time: 5/10/2011 10:53:00 AM
Description: Close up of ammonia pump and still graphic (155 gpm)