

Procedure for entering asset data into MAICS

MAICS is an acronym used in Sydney Water for a Microsoft Access file used for collection of asset data during asset creation work. This file mimics the MAXIMO screens for Location, Equipment and Specification.

This file containing asset numbers issued by Sydney Water will be supplied by Sydney Water to the Service Provider / Developer engaged in related activities.

Task 1: Open up MAICS file containing the Assets requiring Data Collection

Open the received MAICS file using MSACCESS software and the following screen will appear.

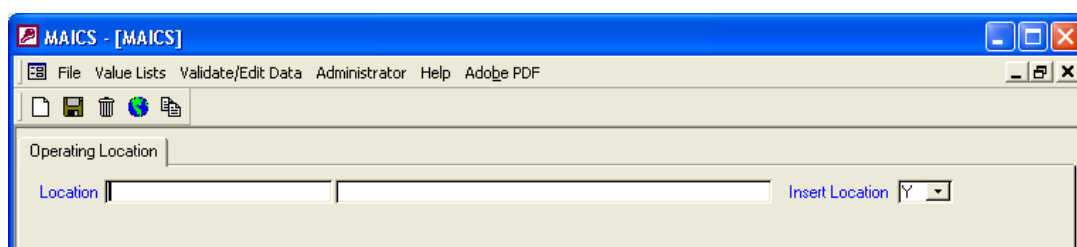
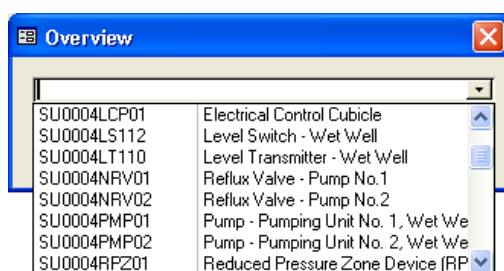


Figure: MAICS File

To select an Asset in the file, select the *Overview* button from the Application bar, as shown below.



The following dialogue box will appear with a pull down list of all the assets located within that file. All of these assets need to have data provided.



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Select any asset in the list and the following screen will appear.

Figure: Operating Locations Tab (example)

This screen has 3 tabs. Sydney Water fills in all data required in “Operating Locations” tab. No entries are required in this section.

Task 2: Input Equipment and Specification Data for each Asset in File

Equipment related information such as Vendor, Manufacturer, Model, Serial No etc are entered in the Equipment screen

Specification screen is meant for inclusion of asset attributes such as Capacity, Speed etc.

Note: All data entered must meet the FMX Data Standards.

Step 1: Input Equipment Tab Information

To enter the Asset’s Equipment information, select the *Equipment* Tab along the top of the screen. The following screen containing the several data fields will be displayed, as shown below.

Figure: Equipment Screen (example)

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1) The information to be input into the data fields and which are the mandatory, are outlined in the following table.

Field	Data Description	Data Input	Requirement
Equipment Description	Engineering description of equipment	Enter Function, Category, Characteristic, Capacity	Mandatory
Vendor	First 4 characters of vendor plus a 2 digit identifier	Select from List Box, If company is not in the list, right click on "Vendor" field and enter details of the new Company *	Mandatory
Manufacturer	First 4 characters of manufacturer plus a 2 digit identifier	Select from List Box, If company is not in the list, right click on "Manufacturer" field and enter details of the new Company *	Mandatory
Serial No	Serial number of equipment	Enter number	Mandatory
Model	Model or Code of Equipment	Enter model	Mandatory
Failure Class	Failure code for equipment	Select from List Box	Mandatory
CMEL Code	Chemical, Mechanical, Electrical, Electronic	Select from List Box	Mandatory
Installation Date	Date Installed/ Commissioned	Click Dialogue Box to bring up calendar and set the date	Mandatory
Warranty Date	Date manufactures warranty expires	Click Dialogue Box to bring up calendar and set the date	Mandatory
Purchase Price	Purchase or capital cost of equipment	Enter dollar value	Mandatory
Replacement Cost	Replacement of identical equipment	Enter dollar value	Mandatory

Note: Where there is a List box available, one of the items in the list must be chosen. Do not enter any other values in the cell as this could cause validation problems during electronic uploading of data.

* When entering a new Company, a temporary Company Code will be generated. This Company Code will be adequate for data entry purposes.

2) Once all Equipment information has been entered save the file by selecting **Save** icon from the application bar.

Step 2: Input Specification Tab Information (Asset attributes)

To enter the Asset's Specification information, select the *Specification* Tab along the top of the screen, the following screen will appear.

Figure: Specification Screen (example)

1) To obtain the list of specification attributes for a particular asset, select the relevant *Classification* from the list box. An example of a pump and its attributes is shown below.

A sub classification is required for a *Classification* of either a Pump or HV Equipment. For pumps, either Submersible or Mobile Pumping Units can be selected in the *Subclassification* field, for other pumping units do not select anything. For the HV Equipment a *Subclassification* must be chosen, this will either be Protection or Switchgear HV Equipment.

Attribute	Description	Type	Value	MeasureUnit	Item
HEAD_DES	Head (m)	ALN			1
FLOW	Flow (L/S)	ALN		L/S	2
DIA_SUCT	Diameter - Suction	ALN		MM	3
DIA_DSCH	Diameter - Discharge	ALN		MM	4
DIA_SPHR	Diameter - Sphere	NUMERIC		MM	5
DIA_IMP	Diameter - Impeller	NUMERIC		MM	6
IMP_CURV	Impellor Curve Number	ALN			7
TYP_SEAL	Seal Type	ALN			8
TYP_FLSH	Flushing Valve Type	ALN			9
RPM	Speed - RPM	ALN		RPM	11
MEDIUM	Medium	ALN			12
WEIGHT	Weight	NUMERIC		KG	13
NO_STAGE	Number of Stages	NUMERIC			14
HEAD_SL	Suction Lift Head Req'd at Site	NUMERIC		M	15
HEAD_ND	No Discharge Head	ALN		M	16
EFF_FIX	Efficiency	ALN		%	17
INIT	Init No	ALN			18

Figure: Specification Attributes (pump example)

The list of attributes will always vary depending on the *Classification* and *Subclassification* selected in the List Box. For entering attribute data, where there is a list box available, it is compulsory to select a value from this list box.

"Value" in the above table must relate to the "MeasureUnit" given in the table.

Refer to Appendix A for a listing of the mandatory attributes for some of SWC common assets. For any assets that are not displayed in this list, assume that all the attribute fields are optional unless specified by Facility Maintenance.

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2) Once all Equipment information has been entered save the file by selecting Save icon from the application bar, shown below.

Step 3: Repeat Tasks 1 and 2 to enter data in respect of other assets)

Go back to Task 1 to select another asset from the file and continue the steps until Equipment and Specification details are entered against all assets in the MAICS file. Then go to Task 3.

Task 3: Return the updated MAICS file back to SWC for uploading to FMX

Once all the assets in the MAICS file have had their Equipment and Specification Information entered the file should be sent back to the SWC Facility Maintenance Team for uploading to FMX.

Appendix A – Asset Attributes

Classification	Subclassification	Attribute		Requirement
ACTUATOR		TYP_ACT	Type of Actuator	Mandatory
Actuator		ACTH01	** PNEUMATIC TYPE **	N/A
		BORE	Bore	Optional
		STROKE	Stroke	Optional
		PRES_WKG	Working Pressure	Optional
		ACTUATIO	Actuation	Optional
		TYPE_PA	Type of Actuation	Optional
		ACTH02	** ELECTRIC TYPE **	N/A
		CUR_FLC	Full Load Current	Mandatory
		PWR_RTG	Power Rating	Mandatory
		VOLTAGE	Voltage	Mandatory
		MAXTORQS	Maximum Torque Setting	Optional
		PROT_ACT	Actuator Protection Type	Optional
		POS_INDC	Position Indicator	Optional
		GEARRAT	Gear Box Ratio	Optional
		RPM_G_IN	Gearbox Input RPM	Optional
		RPM_G_OT	Gearbox Output RPM	Optional
		IPRATING	IP Rating	Optional
AGITATOR		TYP_MIX	Mixer Type	Mandatory
Mixers &		TYP_COUP	Coupling Type	Mandatory
Agitators		RPM_FIX	Rev's Per Minute	Optional
		GEARRAT	Gear Box Ratio	Optional
		RPM_PROP	Propeller RPM	Mandatory
		DIA_PROP	Diameter - Propellor	Optional
		TYP_FIX	Mixer Fixing Method	Mandatory
		WEIGHT	Weight	Optional
		PWR_RTG	Power Rating	Mandatory
AIRCON		DESCRIPT	Description	Mandatory
Air Conditioning				
ALARM		DESCRIPT	Description	Mandatory
Alarm Systems				
BAT_CHGR		LOAD_MAX	Maximum Rated Load	Mandatory
Battery Charger		VOLT_FAC	Incoming Supply Voltage (v)	Mandatory
		CUR_RTD	Rated Current	Mandatory
		VOLTAGE	Voltage	Mandatory
		CUR_OP	Normal Operating Current	Optional
BLOWER		TYP_BLO	Type of Blower	Mandatory
Blowers		CAPACITY	Capacity	Mandatory
		TYP_COOL	Cooling Type	Mandatory
		RPM_FIX	Rev's Per Minute	Mandatory
		GEARRAT	Gear Box Ratio	Mandatory
		RPM_G_OT	Gearbox Output RPM	Mandatory
		WEIGHT	Weight	Optional
		PWR_RTG	Power Rating	Mandatory
CABLE		DESCRIPT	Description	Mandatory
Cables				

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CENTRIFU Dewatering Centrifuges	DESCRIPT	Description	Mandatory
	CAPACITY	Capacity	Mandatory
	TYP_COUP	Coupling Type	Optional
	RPM_FIX	Rev's Per Minute	Mandatory
	WEIGHT	Weight	Optional
	PWR_RTG	Power Rating	Mandatory
CHLORINE Chlorination Equipment	DESCRIPT	Description	Mandatory
	TYP_CHLN	Type of Chlorination Equipment	Optional
	CAPACITY	Capacity	Mandatory
CLASIFIER Dewatering Classifiers	DESCRIPT	Description	Optional
	TYP_CLAS	Type of Classifier	Mandatory
	CAPACITY	Capacity	Mandatory
	TYP_COUP	Coupling Type	Optional
	RPM_FIX	Rev's Per Minute	Mandatory
	WEIGHT	Weight	Optional
	PWR_RTG	Power Rating	Mandatory
COMPRESS Compressors	TYP_CLAS	Type of Classifier	Mandatory
	CAPACITY	Capacity	Mandatory
	TYP_COUP	Coupling Type	Optional
	RPM_FIX	Rev's Per Minute	Mandatory
	WEIGHT	Weight	Mandatory
	PWR_RTG	Power Rating	Optional
	RPM_G_OT	Gearbox Output RPM	Optional
	WEIGHT	Weight	Optional
	PWR_RTG	Power Rating	Mandatory
CONTROL Control Equipment	DESCRIPT	Description	Mandatory
CONVEYOR Conveyors	DESCRIPT	Description	Optional
	TYP_CONV	Type of Conveyor	Mandatory
	CAPACITY	Capacity	Mandatory
	DIM_WTH	Dimension - Width	Mandatory
	DIM_LGTH	Dimension - Length	Mandatory
	DIA_ROLL	Diameter of Rollers	Optional
	NO_ROLL	Number of Rollers	Optional
	RPM_FIX	Rev's Per Minute	Optional
	DIA_SCEW	Diameter of Screw	Optional
	TYP_CHAN	Type of Drive Chain	Optional
	WEIGHT	Weight	Optional
	PWR_RTG	Power Rating	Mandatory
	OF_IMPCT	Impact of O'flow on Environment	Optional
	OF_DEST	Overflow Pathway	Optional
	HERITAGE	Heritage item	Optional
DPS Drainage Pumping Station	NO_UNITS	Number of Pumping Units	Mandatory
	TYP_STRC	Structure Type	Mandatory
	TYP_TLRY	Telemetry Type	Optional
	TYP_CONT	Station Control Type	Optional
	AUTOSEQ	Auto Sequencing	Optional
	AUTRESET	Auto Reset After Power Failure	Optional

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	TYP_LVL	Level Control Type	Mandatory
	GEN_CON	Emergency Generator Connection	Optional
	GEN_CABL	Generator Cable Length (m)	Optional
	GEN_KVA	Generator Capacity Req'd (kva)	Mandatory
	PWR_DUAL	Dual Power Supply to Run Stati	Mandatory
	OF_IMPCT	Impact of O'flow on Environment	Optional
	OF_DEST	Overflow Pathway	Optional
	HERITAGE	Heritage item	Optional
EARTHING	DESCRIPT	Description	Mandatory
Earthing			
F_IICATS	DESCRIPT	Description	Mandatory
IICATS Equipment			
FLOWMETR	FM_TYP	Flowmeter Type	Mandatory
Flowmeter	FM_RANGE	Range of Flowmeter	Mandatory
	BOR_MTR	Meter Bore	Optional
	BOR_THRT	Throat Bore	Optional
	SIG_OUT	Signal Output	Mandatory
	VOLTAGE	Voltage	Mandatory
	FM_LOCAT	Flowmeter Location	Mandatory
	RQSTD_BY	Name & Ph No of Requestor	Optional
	RQSTRLOC	Requestors Section	Optional
	RQSTDATE	Date of Request	Optional
GENERAL	DESCRIPT	Description	Mandatory
General Equipment			
GENERATE	TYP_GENE	Type of Generator	Mandatory
Generators	GEN_LOC	Generator Location On Site	Mandatory
	PWR_RTG	Power Rating	Mandatory
	PWR_SB	Power - Standby kVA	Optional
	VOLTAGE	Voltage	Mandatory
	CUR_FLC	Full Load Current	Mandatory
	RPM_FIX	Rev's Per Minute	Optional
	WEIGHT	Weight	Optional
	FUEL_CAP	Fuel Storage capacity	Mandatory
	TIM_LOWF	Runtime From Low Fuel Alarm	Optional
	LOAD_BNK	Integrated Load Bank	Optional
HEATEXCH	DESCRIPT	Description	Mandatory
Heat Exchangers			
HEATING	DESCRIPT	Description	Mandatory
Heaters & Boilers	TYP_HEAT	Types of Heater or Boiler	Mandatory
	HEAT_RAT	Heat Rating	Optional
	TYP_FUEL	Fuel Type Burnt	Mandatory
	WEIGHT	Weight	Optional
HV_EQUIP	TYP_HVS	High Voltage Switch Function	Mandatory
High Voltage Equipment	TYP_REL	Relay Type	Optional
	HV_NUM	High Voltage Number	Optional
	PROT_CTM	O'current Time Multiplier set	Optional
	PROT_CIS	O'current Instantaneous Set	Optional
	VOLTAGE	Voltage	Mandatory
	CUR_FLC	Full Load Current	Mandatory

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	PROT_FTM	Fault Time Multiplier Set	Optional
	CUR_FLT	Rated Fault Level Current	Optional
	PROT_FIS	Fault Instantaneous Set	Optional
	CASTL_KN	Castel Key Number	Optional
	QUENCH_M	Arc Quenching Medium	Optional
HYDRAUL	DESCRIPT	Description	Mandatory
Hydraulics	CAPACITY	Capacity	Optional
	WEIGHT	Weight	Optional
INSTR	TRANSDUC	Transducer Type	Mandatory
Instrument	MEASUNIT	Measurement Unit	Mandatory
	RANGE	Range	Mandatory
	SPAN	Span	Optional
	SPAN_REV	Span Reverse	Optional
	ACCURACY	Accuracy (+ / - %)	Optional
	VOLTAGE	Voltage	Mandatory
	SIG_OUT	Signal Output	Mandatory
LIFTEQIP	PLANT_NO	Plant Number	Optional
Lifting Equipment	SAFELOAD	Safe Working Load	Mandatory
	TYP_CROS	Cross Travel Type	Optional
	TYP_HST	Hoist Type	Mandatory
	TYP_LONG	Long Travel Type	Optional
	TYP_CHBK	Chainblock Type	Optional
	TYP_GTRY	Girder Trolley Type	Optional
LIGHTING	DESCRIPT	Description	Mandatory
Lighting Equipment			
MACERATR	AUTOSEQ	Auto Sequencing	Optional
Macerator / Muncher	AUTRESET	Auto Reset After Power Failure	Optional
	DIA_DSCH	Diameter - Discharge	Mandatory
	DIA_SUCT	Diameter - Suction	Mandatory
	FLOW	Flow (L/S)	Mandatory
	HEAD_DES	Head (m)	Optional
	MOUNTING	Mounting Orientation	Optional
	PWR_RTG	Power Rating	Mandatory
	RPM	Speed - RPM	Mandatory
	TYP_SUC	Suction Safety Type	Optional
	WEIGHT	Weight	Optional
MOTOR	PWR_RTG	Power Rating	Mandatory
Motor	VOLTAGE	Voltage	Mandatory
	RPM	Speed - RPM	Mandatory
	CURRENT_F	Full Load Current (amps)	Mandatory
	CURRENT_O	Current - Operating	Mandatory
	WEIGHT	Weight	Optional
	MOUNTING	Mounting Orientation	Mandatory
	TYP_COOL	Cooling Type	Mandatory
	TYP_FRAM	Frame Type	Mandatory
	ANTICOND	Anti Condensation Heaters	Optional
	OILPODET	Motor Oil Polluted Detection	Optional
	NO_START	Rated Starts Per Hour	Optional
	INSULCLA	Insulation Class	Mandatory
	TYP_MTR	Motor Type	Mandatory
	WDG	Winding Connection	Optional

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	THERMIST	Thermistors	Optional
	FREQUENCY	Frequency	Mandatory
	POLE_NO	No of Poles	Mandatory
	ROTR_TYP	Rotor Type	Mandatory
	RATIO_EM	Elect/Mech Power Ratio	Optional
	RPM_NOM	Nominal Speed	Optional
	INCONTDB	Include in Contingency Database	Optional
PASSLIFT	DESCRIPT	Description	Mandatory
<i>Passenger & Goods Lifts</i>	REG_NO	Registration Number	Optional
	REG_EXP	Registration Expiry Date	Optional
	TYP_LIFT	Type Of Lifting Equipment	Mandatory
	PLANT_NO	Plant Number	Optional
	TYP_DRIV	Drive Type	Optional
	TYP_CON	Control Type	Optional
	TYP_SUSP	Lift Suspension Type	Optional
	LOAD_MAX	Maximum Rated Load	Mandatory
	SPE_MAX	Lift Speed Max (m/s)	Mandatory
	TRAV_MAX	Lift Travel Max	Mandatory
	PASS_MAX	Lift Max No of Passengers	Mandatory
PIPING	DESCRIPT	Description	Mandatory
<i>Pipework</i>			
PMPEMERG	HEAD_DES	Head (m)	Mandatory
<i>Emergency Pumping Unit</i>	FLOW	Flow (L/S)	Mandatory
	PWR_RTG	Power Rating	Mandatory
	DIA_SUCT	Diameter - Suction	Mandatory
	DIA_DSCH	Diameter - Discharge	Mandatory
	WEIGHT	Weight	Optional
	FUEL_CAP	Fuel Storage capacity	Mandatory
	TIM_LOWF	Runtime From Low Fuel Alarm	Optional
POLES	DATE_COM	Date of Commissioning	Optional
<i>Power Poles</i>	NO_POL_T	Total No of Poles on Site	Optional
	NO_POL_S	No of Poles Owned by SWC	Mandatory
	NO_BARG	No of Barge Boards on Site	Optional
	NO_CH	No of Chambers for U/G Supply	Optional
	TYP_SPLY	Type of Supply	Optional
	PWR_DUAL	Dual Power Supply to Run Stati	Optional
	FILE_NO	Electricity Supply File Number	Optional
	FILE_LOC	Electricity Supply File Locati	Optional
	ACC_NO	Energy Account No.	Optional
	PWR_LOCM	Location of Electric Metering	Mandatory
	PWR_RES	Supply Voltage Resp. Point	Mandatory
	PWR_SPLY	Power Supply Authority	Mandatory
	VOLTAGE	Voltage	Mandatory
	MODE_IN	Mode of Incoming Power	Optional
PRES_SW	RANGE_PS	Range - Pressure Switch	Mandatory
<i>Pressure Switch</i>	PMAX_PS	Maximum Pressure - Pressure Sw	Optional
	SETPT_PS	Set Point - Pressure Switch	Optional
PRES_TX	RANGE_PT	Range - Pressure Transmitter	Mandatory
<i>Pressure Transmitter</i>	POWER_PT	Power Supply - Pressure Transm	Mandatory
	OUTPT_PT	Output - Pressure Transmitter	Mandatory

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		PMAX_PT	Maximum Pressure - Pressure Tr	Optional
		SPAN_PT	Span - Pressure Transmitter	Optional
PRESS		TYP_PRES	Type of Press	Mandatory
Presses		WEIGHT	Weight	Optional
		PWR_RTG	Power Rating	Mandatory
PUMP		HEAD_DES	Head (m)	Mandatory
Pump		FLOW	Flow (L/S)	Mandatory
		DIA_SUCT	Diameter - Suction	Mandatory
		DIA_DSCH	Diameter - Discharge	Mandatory
		DIA_SPHR	Diameter - Sphere	Optional
		DIA_IMP	Diameter - Impeller	Mandatory
		IMP_CURV	Impellor Curve Number	Mandatory
		TYP_SEAL	Seal Type	Mandatory
		TYP_FLSH	Flushing Valve Type	Optional
		RPM	Speed - RPM	Mandatory
		MEDIUM	Medium	Mandatory
		WEIGHT	Weight	Optional
		NO_STAGE	Number of Stages	Mandatory
		HEAD_SL	Suction Lift Head Reqd at Site	Optional
		HEAD_ND	No Discharge Head	Optional
		EFF_FIX	Efficiency	Mandatory
		UNIT	Unit No	Optional
		HEAD_ST	Mean Static Head	Optional
		HEAD_GR	Mean Gross Head	Optional
		INCONTDB	Include in Contingency Database	Optional
PUMP	MOBPUMP	HEAD_DES	Head (m)	Mandatory
Mobile Pumping Unit		FLOW	Flow (L/S)	Mandatory
		PWR_RTG	Power Rating	Mandatory
		DIA_SUCT	Diameter - Suction	Mandatory
		DIA_DSCH	Diameter - Discharge	Mandatory
		DIA_IMP	Diameter - Impeller	Mandatory
		IMP_CURV	Impellor Code	Mandatory
		RPM	Speed - RPM	Mandatory
		WEIGHT	Weight	Optional
		FUEL_CAP	Fuel Storage capacity	Optional
		FUEL_TYP	Fuel Type	Optional
		MOUNT_TY	Mounting Type	Optional
PUMP	PUMPUNIT	HEAD_DES	Head (m)	Mandatory
Submersible Pumping Unit		FLOW	Flow (L/S)	Mandatory
		PWR_RTG	Power Rating	Mandatory
		DIA_SUCT	Diameter - Suction	Mandatory
		DIA_DSCH	Diameter - Discharge	Mandatory
		TYP_FLSH	Flushing Valve Type	Optional
		WEIGHT	Weight	Optional
		IMP_CURV	Impellor Curve Number	Mandatory
		DIA_IMP	Diameter - Impeller	Mandatory
		VOLTAGE	Voltage	Mandatory
		UNIT	Unit No	Optional
		CURRENT_F	Full Load Current (amps)	Mandatory
		CURRENT_O	Current - Operating	Mandatory
		INCONTDB	Include in Contingency Database	Optional

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RES <i>Reservoir</i>	TYP_RES	Type Of Reservoir	Mandatory
	CAPACITY	Capacity	Mandatory
	LVL_OF	Overflow Level	Mandatory
	LVL_FSL	Full Service Level	Mandatory
	LVL_RSL	Reserve Service Level	Optional
	LVL_LSL	Lowest Service Level	Optional
	LVL_FLR	Reservoir Floor Level	Mandatory
	CATHPROT	Cathodic Protection	Mandatory
	NO_MIX	Number of Mixers	Mandatory
	TYP_MIX	Mixer Type	Mandatory
	COAT_EXT	Exterior Coating	Optional
	COAT_INT	Interior Coating	Mandatory
	MAT_FLWL	Const Material - Floor/Wall	Mandatory
	MAT_ROOF	Construction Material - Roof	Mandatory
	TYP_LVL	Level Control Type	Optional
	WQM	Water Quality Monitoring	Optional
	WTR_DEL	Water Delivery System	Optional
	WTR_DEST	Water Destination	Optional
	WTR_DIS	Water Distribution System	Optional
	WTR_SRCE	Water Source	Optional
	WTR_ZONE	Water Reservoir Zone	Optional
	XSECAREA	Cross Sectional Area	Optional
	OF_IMPCT	Impact of O'flow on Environmen	Optional
	OF_DEST	Overflow Pathway	Mandatory
	OF_LOC	Overflow Location	Mandatory
	HERITAGE	Heritage Item	Optional
	DEPTH	Depth	Mandatory
	DIA	Diameter	Mandatory
	AREA_FLR	Area - Floor	Optional
	AREA_WAL	Area - Wall	Optional
	MAT_FLR	Material - Floor	Optional
	MAT_WAL	Material - Wall	Optional
	STRUCTUR	Structure	Optional
SAFETY <i>Safety Equipment</i>	DESCRIPT	Description	Mandatory
SCRAPER <i>Scrapers</i>	TYP_TRAV	Direction of Travel	Mandatory
	TYP_COUP	Coupling Type	Optional
	CHAN_DRV	Type of Drive Chain	Mandatory
	CHAN_MAN	Type of Main Chain	Mandatory
	MAT_BOD	Body Material	Optional
	RPM_FIX	Rev's Per Minute	Optional
	GEARRAT	Gear Box Ratio	Optional
	RPM_G_OT	Gearbox Output RPM	Optional
	WEIGHT	Weight	Optional
	PWR_RTG	Power Rating	Mandatory
SCREEN <i>Screening Equipment</i>	TYP_SCRN	Type of Screen	Mandatory
	DIM_SIZE	Size of Mesh or Bar Spacing	Mandatory
	DIM_WTH	Dimension - Width	Mandatory
	DIM_OD	Dimension - Outside Diameter	Optional
	TYP_COUP	Coupling Type	Optional
	RPM_FIX	Rev's Per Minute	Optional
	GEARRAT	Gear Box Ratio	Mandatory
	RPM_G_OT	Gearbox Output RPM	Mandatory
	PWR_RTG	Power Rating	Mandatory

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	WEIGHT	Weight	Optional
SPS Sewage Pumping Station	SPSH01	** SPS CHARACTERISTICS **	
	TYP_SPS	Station Type	Mandatory
	SPS_PRVT	SWC or Private SPS	Mandatory
	SYS_NAM	SWC Sewer System Name	Optional
	SPSH04	** DESIGN CHARACTERISTICS **	Optional
	EP_DESGN	Design Equivalent Population	Mandatory
	EP_ULT	Ultimate Equivalent Population	Mandatory
	ADWF_ULT	Ultimate Design ADWF	Optional
	PDWF_ULT	Ultimate Design PDWF	Optional
	WWF_DES	Design Wet Weather Flow	Mandatory
	PDWF_DES	Design PDWF	Mandatory
	PDWF_DDT	Date Design PDWF	Optional
	PDWF_MES	Measured PDWF	Optional
	PDWF_MDT	Date Measured PDWF	Optional
	NO_UNITS	Number of Pumping Units	Mandatory
	NO_COMP	Number of Compressor Units	Optional
	NO_MIX	Number of Mixers	Optional
	NO_VAC	Number of Vacuum Units	Optional
	NO_MAC	Number of Macerators	Optional
	NO_WETW	Number of Wet Wells	Optional
	DIA_WW	Wet Well Diameter	Mandatory
	XSECAREA	Cross Sectional Area	Optional
	CAP_WW1	Storage - Wet Well (s)	Mandatory
	CAP_EST	Storage - Emergency Storage Ty	Optional
	CAP_ES	Storage - Emergency Storage	Mandatory
	CAP_IS	Storage in Incoming Sewer	Mandatory
	CAP_TOT	Total Storage Capacity	Mandatory
	RM_NMBR	Number of Rising Mains	Optional
	RM_SIZE	Size of Rising Main (mm)	Mandatory
	RM_LNGTH	Length of Rising Main (m)	Optional
	RM_MAT	Rising Main Pipe Material	Mandatory
	RM_DISCH	Rising Main Discharge Point	Mandatory
	RM_LHP	RM Length to Highest Pt	Mandatory
	OF_TYPE	Overflow Type	Mandatory
	OF_SIZE	Overflow Size	Mandatory
	OF_LOC	Overflow Location	Mandatory
	OF_UBD	Overflow UBD Map Reference	Mandatory
	OF_DEST	Overflow Pathway	Optional
	OF_PLOC	Overflow Probe Location	Optional
	OF_RECV	Overflow Receiving Waters	Mandatory
	RW_CLASS	Receiving Water Classification	Optional
	RW_SENS	Receiving Water Sensitivity	Optional
	SPSH07	** PUMP / VALVE INFORMATION **	
	TYP_SUC	Suction Safety Type	Mandatory
	TYP_PMP	Pump Speed Type	Mandatory
	HEAD_ST	Mean Static Head	Mandatory
	HEAD_GR	Mean Gross Head	Optional
	FOOTSTEP	Footstep Bend	Optional
	SPSH06	** CONTROL CHARACTERISTICS **	
	TYP_TLRY	Telemetry Type	Optional
	TYP_CONT	Station Control Type	Optional
	AUTOSEQ	Auto Sequencing	Optional
	RESETREM	Remote Reset Capability	Optional
	AUTRESET	Auto Reset After Power Failure	Optional
	PSERTUNM	PSE & RTU Name	Optional

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RTMRADNO	RTM & Radial Line No.	Optional
DAISPOS	Daisy Chain Position	Optional
DAISUPST	Daisy Chain Upstream SPS's	Optional
SPSH03	** LEVEL INFORMATION **	
SVY_MARK	Survey Mark Description	Mandatory
LVL_SITE	Station Datum AHD	Mandatory
OF_WEIR	Overflow Weir Crest Level (AHD)	Mandatory
LVL_WWT	Wet Well 1 Top Level AHD	Optional
LVL_WWF	Wet Well 1 Floor Level AHD	Optional
LVL_WWT2	Wet Well 2 Top Level AHD	Optional
LVL_WWF2	Wet Well 2 Floor Level AHD	Optional
LVL_MWF	Machinery Well Floor Level AHD	Optional
LVL_DIVW	Top Dividing Wall Level AHD	Optional
LVL_FLOD	Flood Level AHD	Optional
LVL_IN	Invert Level of Wet Well 1 Inl	Optional
LVL_IN2	Invert Level of Wet Well 2 Inl	Optional
LVL_CACI	Invert Level - Collecting M/H	Optional
LVL_CACS	Surface Level - Collecting M/H	Optional
LVL_RMR	Level - RM Receiving Pt AHD	Optional
LVL_RMH	Level - RM Highest Pt AHD	Optional
LVL_OACS	Surface Level of O/F M/H	Optional
LVL_OACI	Invert Level of O/F M/H AHD	Optional
LVL_GACS	Surface Level of Gascheck M/H	Optional
LVL_GACI	Invert Level of Gascheck M/H	Optional
LVL_SCT	Level - Strg Chmber at Top	Optional
LVL_SCB	Level - Strg Chmber at Bottom	Optional
SPSH05	** ELECTRICAL INFORMATION **	
PWR_SPLY	Power Supply Authority	Mandatory
VOLT_FAC	Incoming Supply Voltage (v)	Mandatory
PWR_RES	Supply Voltage Resp. Point	Mandatory
SUB_NAM	Substation Name	Optional
SUB_NO	Substation Number	Optional
ACC_NO	Energy Account No.	Optional
PWR_LOCB	Location Boxed	Optional
PWR_MOD	Mode of Incoming Power	Optional
SPSH02	** CONTINGENCY INFORMATION **	
RANK_SWC	SWC Rank	Optional
ASETCON	Asset Condition	Optional
CIV_MTCE	Civil Maintenance Area	Optional
ACES_SPS	Access Conditions	Optional
ACES_SP1	Access to SPS	Optional
OF_TIME	Detention Time	Mandatory
OF_DATE	Date Last Tested (Detention Ti	Optional
CAP_DET	Detention Capacity (capacity b	Mandatory
OF_TIME9	Where SPS Not O/F To Environme	Optional
NO_STP	STP Name	Optional
STP_TIM	Sewage Travel Time to STP (Hrs	Optional
SPS_UPST	Upstream SPS	Optional
SPS_DNST	Downstream (parent) SPS	Optional
INSP_NH	Visual Inspections Normal Hrs	Optional
INSP_AF	Visual Inspections After Hrs	Optional
FLOOD	Flood Prone	Optional
HERITAGE	Heritage Item	Optional
TYP_STRC	Structure Type	Mandatory
MEMO_1	Signage (Safety, Access)	Optional
MEMO_2	Access Lighting	Optional
MEMO_3	Comments - line 1	Optional

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MEMO_4	Comments - line 2	Optional
MEMO_5	Comments - line 3	Optional
SPSH09	** TANKER CONTINGENCY INFORMAT	
TKR_SUIT	Tanker Suitability	Mandatory
TKR_SIZE	Tanker Size	Mandatory
TKR_NHR	No. of Tankers Req. per hour	Mandatory
TKR_PO1	Tanker Collection Point (prima	Mandatory
TKR_PO2	Tanker Collection Point (secon	Optional
TKR_DSC1	Tanker Discharge Location (pri	Optional
TKR_DSC2	Tanker Discharge Location (sec	Optional
TKR_DLA	Discharge Location Access	Optional
TKT_TURN	Tanker Turn Around Time (hrs :	Mandatory
TKR_MEMO	Comments - Tanker	Optional
TKR_WTST	Tanker - Date of Wet Test	Optional
TKR_RSLT	Outcome of Tanker Wet Test	Optional
SPSH10	** GENERATOR CONTINGENCY INFOR	
PWR_DUAL	Dual Power Supply to Run Stati	Mandatory
GEN_SITE	Permanent Generator Installed	Mandatory
GEN_LOC	Generator Location On Site	Optional
GEN_SUIT	Site suitable for generator us	Optional
GEN_STOR	Generator From Store	Optional
GEN_KVA	Generator Capacity Req'd (kva)	Mandatory
GEN_CABL	Generator Cable Length (m)	Optional
GEN_CBL1	Generator Cable Size (mm2)	Optional
GEN_TYP	Generator Connection Type	Optional
GEN_CON	Generator Emergency Connection	Optional
GEN_MEMO	Comments - Generator	Optional
GEN_WTST	Generator - Date of Wet Test	Optional
GEN_RSLT	Outcome of Generator Wet Test	Optional
SPSH11	** BY PASS CONTINGENCY INFORMA	
PMP_SITE	Emergency Pump Installed on Si	Optional
ROT_SUIT	Rotable Spare Pump Suitability	Optional
BPP_SUIT	By-Pass Pumping Suitability t	Optional
BPP_CONN	By-Pass Connection Size and Ty	Optional
BPP_PMPC	By-Pass Pump Pipe Connection	Optional
BPP_PREF	Pump - Store	Optional
BPP_ALTD	Pump - Depot	Optional
BPP_OTHR	Pump - Other	Optional
BPP_ELEC	By-Pass Pump Elect Connection	Optional
HEAD_SL	Suction Lift Head Req'd at Site	Optional
BPP_NMBR	Number of By-Pass Connections	Optional
BPP_HOSE	Discharge Hose Length (m)	Optional
BPP_HEAD	By-Pass Pump Head (m)	Optional
BPP_FLOW	By-Pass Pump Flow (L/S)	Optional
BPP_PLAC	Pump out Location - elect	Optional
BPP_MAKE	By-Pass Pump Manufacturer - el	Optional
BPP_MODL	By-Pass Pump Model - elect	Optional
BPP_MAKD	By-Pass Pump Manufacturer - di	Optional
BPP_MODAL	By-Pass Pump Model - diesel	Optional
BPP_HDS1	Suction Hose Length (m)	Optional
BPP_HSD2	Discharge Hose Length (m)	Optional
BPP_PLD1	Pump Out Location - diesel	Optional
BPP_FTGS	Fittings Required	Optional
CURRENT_F	Full Load Current (amps)	Optional
BPP_MEMO	Comments - By-Pass Pumping	Optional
BPP_WTST	By-pass Pump - Date of Wet Tes	Optional
BPP_RSLT	Outcome of ByPass Pump Wet Tes	Optional

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	SPSH12	** OTHER CONTAINMENT INFORMATI	
	SB_SUIT	Sandbag Suitability Y/N	Optional
	SB_LOC	Location of Sandbags	Optional
	SB_ACC	Access For Installing Sandbags	Optional
	SB_REQ	Number of Sandbags Req'd	Optional
	BM_SUIT	Boom Suitability Y/N	Optional
	BM_LOC	Location of Booms	Optional
	BM_ACC	Access For Installing Booms	Optional
	BM_REQ	Numbers of Booms Req'd	Optional
	OF_CONT	Possible O'flow Contain. Loc.	Optional
	SPSH08	** NO LONGER REQUIRED **	
	SOLP_RNK	SOLP Rank	Optional
	SOLP_GA	SOLP EIS Geographic Area	Optional
	SOLP_TIM	SOLP Containment Time (Hrs)	Optional
	SOLP_DAT	SOLP Last Update	Optional
	DIM_WWD	Wet Well Depth	Optional
	TKR_SIZP	Tanker Size Peak Time 6-10 am	Optional
	TKR_SIZO	Tanker Size Off Peak Time	Optional
	TKR_QTYP	No Tanker Req/Hr Peak 6-10 am	Optional
	TKR_QTYO	No Tanker Req/hr Off Peak	Optional
	PWR_LOCM	Location of Electric Metering	Optional
	TYP_SWG	Sewage Type	Optional
	LVL_SCI	Level - Strg Chmber at Inflow	Optional
	LVL_SCO	Level - Strg Chmber at Outflow	Optional
	UNIT	Unit No	Optional
	DIA_SUCT	Diameter - Suction	Optional
	DIA_DSCH	Diameter - Discharge	Optional
	FLOW	Flow (L/S)	Optional
	VOLTAGE	Voltage	Optional
	HEAD_DES	Head (m)	Optional
	IMP_CURV	Impellor Code	Optional
	PWR_RTG	Power Rating	Optional
	CURRENT_O	Current - Operating	Optional
	TYP_FLSH	Flushing Valve Type	Optional
	LVL_SS	Level - Suction Safety AHD	Optional
	LVL_MWL	Level - Mean Water Level AHD	Optional
	LVL_ATWL	Level - ATWL Alarm AHD	Optional
	LVL_BBWL	Level - BBWL AHD	Optional
	DIA_IMP	Diameter - Impeller	Optional
	WEIGHT	Weight	Optional
	OF_DRY_W	No Dry Weather Overflow SPS	Optional
STARTER	PWR_RTG	Power Rating	Mandatory
<i>Starter</i>	VOLTAGE	Voltage	Mandatory
	VOLT_CON	Control Voltage	Mandatory
	TYP_STTR	Starter Type	Mandatory
	NO_START	Rated Starts Per Hour	Optional
	TOL_SET	Thermal Overload Setting	Optional
	TYP_COOL	Cooling Type	Optional
STRUCTUR	TYP_STRC	Structure Type	Mandatory
<i>Structure</i>			
SWITCHBD	FREQUENCY	Frequency	Optional
<i>Switchboard</i>	CURRENT_O	Current - Operating	Mandatory
	VOLTAGE	Voltage	Mandatory
	VOLT_CON	Control Voltage	Mandatory

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	VOLT_INS	Instrument Voltage	Optional
	PROT_DEG	Degree of Protection	Optional
	AS_IPRAT	IP Rating to AS:	Mandatory
	DIM_LGTH	Dimension - Length	Optional
	DIM_WTH	Dimension - Width	Optional
	DIM_HGHT	Dimension Height	Optional
	WEIGHT	Weight	Optional
	AS_MANUF	Manufactured to AS: IP:	Optional
	INSULCLA	Insulation Class	Mandatory
	WS_SHORT	Short Time Withstand	Optional
	WS_DURAT	Withstand Duration	Optional
	WS_PEAK	Peak Withstand	Optional
TELMETRY <i>Telemetry Equipment</i>	DESCRIPT	Description	Mandatory
TRANSFORM <i>Transformer</i>	HV_NUM	High Voltage Number	Optional
	WDG_PRI	Primary Winding Connection	Optional
	WDG_SEC	Secondary Winding Connection	Optional
	NO_W_SEC	Number of Secondary Windings	Optional
	VOLT_PRI	Primary Voltage	Mandatory
	VOLT_SEC	Secondary Voltage	Mandatory
	VLT_SEC1	Secondary Voltage Winding 1	Optional
	VLT_SEC2	Secondary Voltage Winding 2	Optional
	CUR_PRI	Primary Current	Mandatory
	CUR_SEC	Secondary Current	Mandatory
	CUR_SEC1	Secondary Current Winding 1	Optional
	CUR_SEC2	Secondary Current Winding 2	Optional
	LOAD_MAX	Maximum Rated Load	Mandatory
	LOAD_MX1	Max Rated Load - Sec Winding 1	Optional
	LOAD_MX2	Max Rated Load - Sec Winding 2	Optional
	TYP_TAP	Tapping Selector Type	Optional
	NO_TAP	Number of Tapping Points	Optional
	NEUTRAL	Neutral Connection	Optional
	CONSERV	Conservator Fitted	Optional
	BUCHOLZ	Buchholz Relay Fitted	Mandatory
	EX_VENT	Explosion Vent Fitted	Mandatory
	SILC_GEL	Silica Gel Fitted	Mandatory
	OIL_SAMP	Oil Sample Cock Fitted	Mandatory
	WEIGHT	Weight	Optional
	WGHT_WO	Weight Without Oil	Optional
	OIL_QNTY	Oil Quantity	Mandatory
	TYP_COOL	Cooling Type	Mandatory
	PHASE	Phase	Mandatory
	IMP_PRI	Primary Impedance	Mandatory
	IMP_SEC	Secondary Impedance	Mandatory
	VOLT_75C	Volts 75 degrees C	Optional
	VECT_SYM	Vector Symbol	Mandatory
	T_RIS_MX	Maximum Temperature Rise	Optional
	VOLT_OIL	Oil Voltage	Optional
	WGHT_COR	Weight of Core	Optional
	BUCH_CON	Buchholz Relay Connected	Mandatory
TRANSMIS <i>Transmission</i>	GEARRAT	Gear Box Ratio	Mandatory
	MAXTORQS	Maximum Torque Setting	Optional
	PWR_RTG	Power Rating	Mandatory
	RPM_G_IN	Gearbox Input RPM	Mandatory

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	RPM_G_OT	Gearbox Output RPM	Mandatory
	WEIGHT	Weight	Optional
	TYP_COUP	Coupling Type	Optional
UPS	DESCRIPT	Description	Mandatory
UPS Equipment	VOLT_FAC	Incoming Supply Voltage (v)	Mandatory
	CUR_RTD	Rated Current	Mandatory
	FREQUENCY	Frequency	Optional
	PWR_FACT	Power Factor	Optional
	PWR_RTG	Power Rating	Mandatory
	DIM_HGHT	Dimension Height	Optional
	DIM_WTH	Dimension - Width	Optional
	DIM_LGTH	Dimension - Length	Optional
	WEIGHT	Weight	Optional
	BATT_RAT	Battery Rating	Mandatory
	BATT_QUA	Battery Quantity	Mandatory
	BATT_TIM	Battery Backup Time (Full Load)	Mandatory
	BATT_RT	Battery Recharge Time	Optional
	TYP_BATT	Type of Battery	Mandatory
UTILITY	DESCRIPT	Description	Mandatory
Utilities			
VALVE	MEDIUM	Medium	Optional
Valve - Major (450mm or greater)	POS_INDC	Position Indicator	Mandatory
	TYP_TLRY	Telemetry Type	Mandatory
	WEIGHT	Weight	Optional
	TYP_VLV	Type Of Valve	Mandatory
	VLV_FNCT	Valve Function	Mandatory
	VLV_ENDS	Valve Body End Connection	Mandatory
	TYP_ACT	Type of Actuator	Mandatory
	PRES_RTD	Rated Pressure	Mandatory
	PRES_WKG	Working Pressure	Optional
	PRES_US	Upstream Pressure	Optional
	PRES_DS	Downstream Pressure	Optional
	PRES_SFT	Safety Pressure	Optional
	DIA	Diameter	Mandatory
	VLV_DIR	Direction to Open	Mandatory
	VLV_TIM	Time to Close	Optional
	VLV_TRNS	Number of Turns to Close	Mandatory
	MAT_BOD	Body Material	Mandatory
	MAT_SEAT	Seat Material	Mandatory
	VLV_LGTH	Length - Face to Face	Mandatory
	COEF_HL	Head Loss Coefficient (K) @ 10	Optional
	PRES_SET	Pressure Setting	Optional
VALVE_MN	MEDIUM	Medium	Optional
Valve - Minor (100mm to 450mm)	WEIGHT	Weight	Optional
	TYP_VLV	Type Of Valve	Mandatory
	VLV_FNCT	Valve Function	Mandatory
	VLV_ENDS	Valve Body End Connection	Mandatory
	TYP_ACT	Type of Actuator	Mandatory
	DIA	Diameter	Mandatory
	VLV_DIR	Direction to Open	Mandatory
	VLV_TRNS	Number of Turns to Close	Mandatory
	COEF_HL	Head Loss Coefficient (K) @ 10	Optional
	PRES_SET	Pressure Setting	Optional

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VENTILAT <i>Ventilation</i>	AIR_C_HR	<i>Air Changes Per Hour</i>	Mandatory
	TYP_FAN	<i>Type of Fan</i>	Mandatory
	PWR_RTG	<i>Power Rating</i>	Mandatory
	VOLTAGE	<i>Voltage</i>	Mandatory
	CUR_OP	<i>Normal Operating Current</i>	Optional
	CUR_FLC	<i>Full Load Current</i>	Mandatory
	FLAME_PF	<i>Flame Proof</i>	Mandatory
VESSEL <i>Vessel</i>	CAPACITY	<i>Capacity</i>	Mandatory
	MAT_FLWL	<i>Const Material - Floor/Wall</i>	Mandatory
	MAT_ROOF	<i>Construction Material - Roof</i>	Mandatory
	MEDIUM	<i>Medium</i>	Mandatory
	TYP_MIX	<i>Mixer Type</i>	Optional
	DIM_LGTH	<i>Dimension - Length</i>	Optional
	DIM_WTH	<i>Dimension - Width</i>	Optional
	DIM_HGHT	<i>Dimension Height</i>	Optional
	DIM_OD	<i>Dimension - Outside Diameter</i>	Optional
	DIM_ID	<i>Dimension - Inside Diameter</i>	Optional
	PRES_WKG	<i>Working Pressure</i>	Optional
	PRES_RTD	<i>Rated Pressure</i>	Mandatory
	RELIEF	<i>Relief Valve Fitted</i>	Mandatory
	PV_INSP	<i>Pressure Vessel Inspection Req</i>	Optional
	PV_ID	<i>Pressure Vessel ID Number</i>	Optional
	TYP_VESL	<i>Type Of Vessel</i>	Mandatory
WPS <i>Water Pumping Station</i>	AUTO	<i>Auto Operation</i>	Optional
	AUTOSEQ	<i>Auto Sequencing</i>	Optional
	AUTRESET	<i>Auto Reset After Power Failure</i>	Optional
	CONASSET	<i>Controlling Asset</i>	Optional
	NO_UNITS	<i>Number of Pumping Units</i>	Mandatory
	PWR_DUAL	<i>Dual Power Supply to Run Stati</i>	Mandatory
	TYP_CONT	<i>Station Control Type</i>	Optional
	TYP_LVL	<i>Level Control Type</i>	Optional
	TYP_STRC	<i>Structure Type</i>	Mandatory
	TYP_SUC	<i>Suction Safety Type</i>	Optional
	TYP_TLRY	<i>Telemetry Type</i>	Optional
	WTR_DEST	<i>Water Destination</i>	Mandatory
	WTR_SRCE	<i>Water Source</i>	Mandatory
	TYP_WPS	<i>Type of WPS</i>	Optional
	TYP_DEL	<i>Delivery Safety Type</i>	Optional
	GEN_CON	<i>Generator Emergency Connection</i>	Mandatory
	GEN_LOC	<i>Generator Location On Site</i>	Optional
	GEN_ACC	<i>Trans.. Access for Generator</i>	Mandatory
	GEN_KVA	<i>Generator Capacity Reqd (kva)</i>	Optional
	GEN_CABL	<i>Generator Cable Length (m)</i>	Optional
	GEN_TAIL	<i>Generator Cable Tails Required</i>	Optional
	GEN_SITE	<i>Permanent Generator Installed</i>	Mandatory
	HERITAGE	<i>Heritage Item</i>	Optional
	PWR_MOD	<i>Mode of Incoming Power</i>	Mandatory
	RM_MAT	<i>Rising Main Pipe Material</i>	Mandatory
	RM_NMBR	<i>Number of Rising Mains</i>	Optional
	RM_SIZE	<i>Size of Rising Main (mm)</i>	Mandatory
	SUB_NAM	<i>Substation Name</i>	Mandatory
	TYP_PMP	<i>Pump Speed Type</i>	Mandatory
	VOLT_FAC	<i>Incoming Supply Voltage (v)</i>	Mandatory

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Appendix B – Data Collection Sheets

(For Optional Use)

These data collection sheets have been prepared to assist Service Providers in data collection work. Use of these sheets for data collection is optional. Service Providers may use their own formats.

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Appendix B1 – Data Collection Sheet (For optional use)

Classification: *Actuator*

Equipment Tab Information

Field	Data Description	Data Entry	Value
Equipment Description **	Engineering description of equipment	Enter Function, Category, Characteristic, Capacity	
Vendor **	First 4 characters of vendor plus a 2 digit identifier	Select from List Box, If company is not in the list, right click on "Vendor" field and enter details of the new Company *	
Manufacturer **	First 4 characters of manufacturer plus a 2 digit identifier	Select from List Box, If company is not in the list, right click on "Manufacturer" field and enter details of the new Company *	
Serial No **	Serial number of equipment	Enter number	
Model **	Model or Code of Equipment	Enter model	
Failure Class **	Failure code for equipment	Select from List Box	
CMEL Code **	Chemical, Mechanical, Electrical, Electronic	Select from List Box	
Installation Date **	Date Installed/ Commissioned	Click Dialogue Box to bring up calendar and set the date	
Warranty Date **	Date manufactures warranty expires	Click Dialogue Box to bring up calendar and set the date	
Purchase Price **	Purchase or capital cost of equipment	Enter dollar value	
Replacement Cost **	Replacement of identical equipment	Enter dollar value	

* More details in page 3

** Mandatory

Specification Tab Information

Attribute	Attribute Description	Attribute Value	Measure Unit	Requirement
TYP_ACT	<i>Type of Actuator</i>			Mandatory
ACTH01	** PNEUMATIC TYPE **			N/A
BORE	<i>Bore</i>		MM	Optional
STROKE	<i>Stroke</i>		MM	Optional
PRES_WKG	<i>Working Pressure</i>		KPA	Optional
ACTUATIO	<i>Actuation</i>			Optional
TYPE_PA	<i>Type of Actuation</i>			Optional
ACTH02	** ELECTRIC TYPE **			N/A
CUR_FLC	<i>Full Load Current</i>		AMPS	Mandatory
PWR_RTG	<i>Power Rating</i>		KW	Mandatory
VOLTAGE	<i>Voltage</i>		VOLTS	Mandatory
MAXTORQS	<i>Maximum Torque Setting</i>		NM	Optional

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PROT_ACT	Actuator Protection Type			Optional
POS_INDC	Position Indicator			Optional
GEARRAT	Gear Box Ratio			Optional
RPM_G_IN	Gearbox Input RPM		RPM	Optional
RPM_G_OT	Gearbox Output RPM		RPM	Optional
IPRATING	IP Rating			Optional

Appendix B2 – Data Collection Sheet (For optional use)

Classification: Mixers & Agitators

Equipment Tab Information

Field	Data Description	Data Entry	Value
Equipment Description **	Engineering description of equipment	Enter Function, Category, Characteristic, Capacity	
Vendor **	First 4 characters of vendor plus a 2 digit identifier	Select from List Box, If company is not in the list, right click on "Vendor" field and enter details of the new Company *	
Manufacturer **	First 4 characters of manufacturer plus a 2 digit identifier	Select from List Box, If company is not in the list, right click on "Manufacturer" field and enter details of the new Company *	
Serial No **	Serial number of equipment	Enter number	
Model **	Model or Code of Equipment	Enter model	
Failure Class **	Failure code for equipment	Select from List Box	
CMEL Code **	Chemical, Mechanical, Electrical, Electronic	Select from List Box	
Installation Date **	Date Installed/ Commissioned	Click Dialogue Box to bring up calendar and set the date	
Warranty Date **	Date manufactures warranty expires	Click Dialogue Box to bring up calendar and set the date	
Purchase Price **	Purchase or capital cost of equipment	Enter dollar value	
Replacement Cost **	Replacement of identical equipment	Enter dollar value	

* More details in page 3

** Mandatory

Specification Tab Information

Attribute	Attribute Description	Attribute Value	Measure Unit	Requirement
TYP_MIX	Mixer Type			Mandatory
TYP_COUP	Coupling Type			Mandatory
RPM_FIX	Rev's Per Minute		RPM	Optional
GEARRAT	Gear Box Ratio			Optional
RPM_PROP	Propeller RPM		RPM	Mandatory
DIA_PROP	Diameter - Propeller		MM	Optional
TYP_FIX	Mixer Fixing Method			Mandatory
WEIGHT	Weight		KG	Optional
PWR_RTG	Power Rating		KW	Mandatory

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Appendix B3 – Data Collection Sheet (For optional use)

Classification: *Air Conditioning*

Equipment Tab Information

Field	Data Description	Data Entry	Value
Equipment Description **	Engineering description of equipment	Enter Function, Category, Characteristic, Capacity	
Vendor **	First 4 characters of vendor plus a 2 digit identifier	Select from List Box, If company is not in the list, right click on "Vendor" field and enter details of the new Company *	
Manufacturer **	First 4 characters of manufacturer plus a 2 digit identifier	Select from List Box, If company is not in the list, right click on "Manufacturer" field and enter details of the new Company *	
Serial No **	Serial number of equipment	Enter number	
Model **	Model or Code of Equipment	Enter model	
Failure Class **	Failure code for equipment	Select from List Box	
CMEL Code **	Chemical, Mechanical, Electrical, Electronic	Select from List Box	
Installation Date **	Date Installed/ Commissioned	Click Dialogue Box to bring up calendar and set the date	
Warranty Date **	Date manufactures warranty expires	Click Dialogue Box to bring up calendar and set the date	
Purchase Price **	Purchase or capital cost of equipment	Enter dollar value	
Replacement Cost **	Replacement of identical equipment	Enter dollar value	

* More details in page 3

** Mandatory

Specification Tab Information

Attribute	Attribute Description	Attribute Value	Measure Unit	Requirement
DESCRIPT	Description			Mandatory

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Appendix B4 – Data Collection Sheet (For optional use)

Classification: Alarm Systems

Equipment Tab Information

Field	Data Description	Data Entry	Value
Equipment Description **	Engineering description of equipment	Enter Function, Category, Characteristic, Capacity	
Vendor **	First 4 characters of vendor plus a 2 digit identifier	Select from List Box, If company is not in the list, right click on "Vendor" field and enter details of the new Company *	
Manufacturer **	First 4 characters of manufacturer plus a 2 digit identifier	Select from List Box, If company is not in the list, right click on "Manufacturer" field and enter details of the new Company *	
Serial No **	Serial number of equipment	Enter number	
Model **	Model or Code of Equipment	Enter model	
Failure Class **	Failure code for equipment	Select from List Box	
CMEL Code **	Chemical, Mechanical, Electrical, Electronic	Select from List Box	
Installation Date **	Date Installed/ Commissioned	Click Dialogue Box to bring up calendar and set the date	
Warranty Date **	Date manufactures warranty expires	Click Dialogue Box to bring up calendar and set the date	
Purchase Price **	Purchase or capital cost of equipment	Enter dollar value	
Replacement Cost **	Replacement of identical equipment	Enter dollar value	

* More details in page 3

** Mandatory

Specification Tab Information

Attribute	Attribute Description	Attribute Value	Measure Unit	Requirement
DESCRIPT	Description			Mandatory

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Appendix B5 – Data Collection Sheet (For optional use)

Classification: *Battery Charger*

Equipment Tab Information

Field	Data Description	Data Entry	Value
Equipment Description **	Engineering description of equipment	Enter Function, Category, Characteristic, Capacity	
Vendor **	First 4 characters of vendor plus a 2 digit identifier	Select from List Box, If company is not in the list, right click on "Vendor" field and enter details of the new Company *	
Manufacturer **	First 4 characters of manufacturer plus a 2 digit identifier	Select from List Box, If company is not in the list, right click on "Manufacturer" field and enter details of the new Company *	
Serial No **	Serial number of equipment	Enter number	
Model **	Model or Code of Equipment	Enter model	
Failure Class **	Failure code for equipment	Select from List Box	
CMEL Code **	Chemical, Mechanical, Electrical, Electronic	Select from List Box	
Installation Date **	Date Installed/ Commissioned	Click Dialogue Box to bring up calendar and set the date	
Warranty Date **	Date manufactures warranty expires	Click Dialogue Box to bring up calendar and set the date	
Purchase Price **	Purchase or capital cost of equipment	Enter dollar value	
Replacement Cost **	Replacement of identical equipment	Enter dollar value	

* More details in page 3

** Mandatory

Specification Tab Information

Attribute	Attribute Description	Attribute Value	Measure Unit	Requirement
LOAD_MAX	<i>Maximum Rated Load</i>		KVA	Mandatory
VOLT_FAC	<i>Incoming Supply Voltage (v)</i>			Mandatory
CUR_RTD	<i>Rated Current</i>		AMPS	Mandatory
VOLTAGE	<i>Voltage</i>		VOLTS	Mandatory
CUR_OP	<i>Normal Operating Current</i>		AMPS	Optional

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Appendix B6 – Data Collection Sheet (For optional use)

Classification: *Blowers*

Equipment Tab Information

Field	Data Description	Data Entry	Value
Equipment Description **	Engineering description of equipment	Enter Function, Category, Characteristic, Capacity	
Vendor **	First 4 characters of vendor plus a 2 digit identifier	Select from List Box, If company is not in the list, right click on "Vendor" field and enter details of the new Company *	
Manufacturer **	First 4 characters of manufacturer plus a 2 digit identifier	Select from List Box, If company is not in the list, right click on "Manufacturer" field and enter details of the new Company *	
Serial No **	Serial number of equipment	Enter number	
Model **	Model or Code of Equipment	Enter model	
Failure Class **	Failure code for equipment	Select from List Box	
CMEL Code **	Chemical, Mechanical, Electrical, Electronic	Select from List Box	
Installation Date **	Date Installed/ Commissioned	Click Dialogue Box to bring up calendar and set the date	
Warranty Date **	Date manufactures warranty expires	Click Dialogue Box to bring up calendar and set the date	
Purchase Price **	Purchase or capital cost of equipment	Enter dollar value	
Replacement Cost **	Replacement of identical equipment	Enter dollar value	

* More details in page 3

** Mandatory

Specification Tab Information

Attribute	Attribute Description	Attribute Value	Measure Unit	Requirement
TYP_BLO	Type of Blower			Mandatory
CAPACITY	Capacity			Mandatory
TYP_COOL	Cooling Type			Mandatory
RPM_FIX	Rev's Per Minute		RPM	Mandatory
GEARRAT	Gear Box Ratio			Mandatory
RPM_G_OT	Gearbox Output RPM		RPM	Mandatory
WEIGHT	Weight		KG	Optional
PWR_RTG	Power Rating		KW	Mandatory

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Appendix B7 – Data Collection Sheet (For optional use)

Classification: Cables

Equipment Tab Information

Field	Data Description	Data Entry	Value
Equipment Description **	Engineering description of equipment	Enter Function, Category, Characteristic, Capacity	
Vendor **	First 4 characters of vendor plus a 2 digit identifier	Select from List Box, If company is not in the list, right click on "Vendor" field and enter details of the new Company *	
Manufacturer **	First 4 characters of manufacturer plus a 2 digit identifier	Select from List Box, If company is not in the list, right click on "Manufacturer" field and enter details of the new Company *	
Serial No **	Serial number of equipment	Enter number	
Model **	Model or Code of Equipment	Enter model	
Failure Class **	Failure code for equipment	Select from List Box	
CMEL Code **	Chemical, Mechanical, Electrical, Electronic	Select from List Box	
Installation Date **	Date Installed/ Commissioned	Click Dialogue Box to bring up calendar and set the date	
Warranty Date **	Date manufactures warranty expires	Click Dialogue Box to bring up calendar and set the date	
Purchase Price **	Purchase or capital cost of equipment	Enter dollar value	
Replacement Cost **	Replacement of identical equipment	Enter dollar value	

* More details in page 3

** Mandatory

Specification Tab Information

Attribute	Attribute Description	Attribute Value	Measure Unit	Requirement
DESCRIPT	Description			Mandatory

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Appendix B8 – Data Collection Sheet (For optional use)

Classification: *Dewatering Centrifuges*

Equipment Tab Information

Field	Data Description	Data Entry	Value
Equipment Description **	Engineering description of equipment	Enter Function, Category, Characteristic, Capacity	
Vendor **	First 4 characters of vendor plus a 2 digit identifier	Select from List Box, If company is not in the list, right click on "Vendor" field and enter details of the new Company *	
Manufacturer **	First 4 characters of manufacturer plus a 2 digit identifier	Select from List Box, If company is not in the list, right click on "Manufacturer" field and enter details of the new Company *	
Serial No **	Serial number of equipment	Enter number	
Model **	Model or Code of Equipment	Enter model	
Failure Class **	Failure code for equipment	Select from List Box	
CMEL Code **	Chemical, Mechanical, Electrical, Electronic	Select from List Box	
Installation Date **	Date Installed/ Commissioned	Click Dialogue Box to bring up calendar and set the date	
Warranty Date **	Date manufactures warranty expires	Click Dialogue Box to bring up calendar and set the date	
Purchase Price **	Purchase or capital cost of equipment	Enter dollar value	
Replacement Cost **	Replacement of identical equipment	Enter dollar value	

* More details in page 3

** Mandatory

Specification Tab Information

Attribute	Attribute Description	Attribute Value	Measure Unit	Requirement
DESCRIPT	<i>Description</i>			Mandatory
CAPACITY	<i>Capacity</i>			Mandatory
TYP_COUP	<i>Coupling Type</i>			Optional
RPM_FIX	<i>Rev's Per Minute</i>		RPM	Mandatory
WEIGHT	<i>Weight</i>		KG	Optional
PWR_RTG	<i>Power Rating</i>		KW	Mandatory

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Appendix B9 – Data Collection Sheet (For optional use)
Classification: Chlorination Equipment

Equipment Tab Information

Field	Data Description	Data Entry	Value
Equipment Description **	Engineering description of equipment	Enter Function, Category, Characteristic, Capacity	
Vendor **	First 4 characters of vendor plus a 2 digit identifier	Select from List Box, If company is not in the list, right click on "Vendor" field and enter details of the new Company *	
Manufacturer **	First 4 characters of manufacturer plus a 2 digit identifier	Select from List Box, If company is not in the list, right click on Manufacturer" field and enter details of the new Company *	
Serial No **	Serial number of equipment	Enter number	
Model **	Model or Code of Equipment	Enter model	
Failure Class **	Failure code for equipment	Select from List Box	
CMEL Code **	Chemical, Mechanical, Electrical, Electronic	Select from List Box	
Installation Date **	Date Installed/ Commissioned	Click Dialogue Box to bring up calendar and set the date	
Warranty Date **	Date manufactures warranty expires	Click Dialogue Box to bring up calendar and set the date	
Purchase Price **	Purchase or capital cost of equipment	Enter dollar value	
Replacement Cost **	Replacement of identical equipment	Enter dollar value	

* More details in page 3

** Mandatory

Specification Tab Information

Attribute	Attribute Description	Attribute Value	Measure Unit	Requirement
DESCRIPT	Description			Mandatory
TYP_CHLN	Type of Chlorination Equipment			Optional
CAPACITY	Capacity			Mandatory

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Appendix B10 – Data Collection Sheet (For optional use)
Classification: *Dewatering Classifiers*

Equipment Tab Information

Field	Data Description	Data Entry	Value
Equipment Description **	Engineering description of equipment	Enter Function, Category, Characteristic, Capacity	
Vendor **	First 4 characters of vendor plus a 2 digit identifier	Select from List Box, If company is not in the list, right click on "Vendor" field and enter details of the new Company *	
Manufacturer **	First 4 characters of manufacturer plus a 2 digit identifier	Select from List Box, If company is not in the list, right click on "Manufacturer" field and enter details of the new Company *	
Serial No **	Serial number of equipment	Enter number	
Model **	Model or Code of Equipment	Enter model	
Failure Class **	Failure code for equipment	Select from List Box	
CMEL Code **	Chemical, Mechanical, Electrical, Electronic	Select from List Box	
Installation Date **	Date Installed/ Commissioned	Click Dialogue Box to bring up calendar and set the date	
Warranty Date **	Date manufactures warranty expires	Click Dialogue Box to bring up calendar and set the date	
Purchase Price **	Purchase or capital cost of equipment	Enter dollar value	
Replacement Cost **	Replacement of identical equipment	Enter dollar value	

* More details in page 3

** Mandatory

Specification Tab Information

Attribute	Attribute Description	Attribute Value	Measure Unit	Requirement
DESCRIPT	<i>Description</i>			Optional
TYP_CLAS	<i>Type of Classifier</i>			Mandatory
CAPACITY	<i>Capacity</i>			Mandatory
TYP_COUP	<i>Coupling Type</i>			Optional
RPM_FIX	<i>Rev's Per Minute</i>		RPM	Mandatory
WEIGHT	<i>Weight</i>		KG	Optional
PWR_RTG	<i>Power Rating</i>		KW	Mandatory

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Appendix B11 – Data Collection Sheet (For optional use)

Classification: *Compressors*

Equipment Tab Information

Field	Data Description	Data Entry	Value
Equipment Description **	Engineering description of equipment	Enter Function, Category, Characteristic, Capacity	
Vendor **	First 4 characters of vendor plus a 2 digit identifier	Select from List Box, If company is not in the list, right click on "Vendor" field and enter details of the new Company *	
Manufacturer **	First 4 characters of manufacturer plus a 2 digit identifier	Select from List Box, If company is not in the list, right click on "Manufacturer" field and enter details of the new Company *	
Serial No **	Serial number of equipment	Enter number	
Model **	Model or Code of Equipment	Enter model	
Failure Class **	Failure code for equipment	Select from List Box	
CMEL Code **	Chemical, Mechanical, Electrical, Electronic	Select from List Box	
Installation Date **	Date Installed/ Commissioned	Click Dialogue Box to bring up calendar and set the date	
Warranty Date **	Date manufactures warranty expires	Click Dialogue Box to bring up calendar and set the date	
Purchase Price **	Purchase or capital cost of equipment	Enter dollar value	
Replacement Cost **	Replacement of identical equipment	Enter dollar value	

* More details in page 3

** Mandatory

Specification Tab Information

Attribute	Attribute Description	Attribute Value	Measure Unit	Requirement
TYP_CLAS	Type of Compressor			Mandatory
CAPACITY	Capacity			Mandatory
TYP_SEAL	Seal Type			Optional
TYP_COOL	Cooling Type			Mandatory
RPM_FIX	Rev's Per Minute		RPM	Mandatory
GEARRAT	Gear Box Ratio			Optional
RPM_G_OT	Gearbox Output RPM		RPM	Optional
WEIGHT	Weight		KG	Optional
PWR_RTG	Power Rating		KW	Mandatory

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Appendix B12 – Data Collection Sheet (For optional use)
Classification: Control Equipment

Equipment Tab Information

Field	Data Description	Data Entry	Value
Equipment Description **	Engineering description of equipment	Enter Function, Category, Characteristic, Capacity	
Vendor **	First 4 characters of vendor plus a 2 digit identifier	Select from List Box, If company is not in the list, right click on "Vendor" field and enter details of the new Company *	
Manufacturer **	First 4 characters of manufacturer plus a 2 digit identifier	Select from List Box, If company is not in the list, right click on "Manufacturer" field and enter details of the new Company *	
Serial No **	Serial number of equipment	Enter number	
Model **	Model or Code of Equipment	Enter model	
Failure Class **	Failure code for equipment	Select from List Box	
CMEL Code **	Chemical, Mechanical, Electrical, Electronic	Select from List Box	
Installation Date **	Date Installed/ Commissioned	Click Dialogue Box to bring up calendar and set the date	
Warranty Date **	Date manufactures warranty expires	Click Dialogue Box to bring up calendar and set the date	
Purchase Price **	Purchase or capital cost of equipment	Enter dollar value	
Replacement Cost **	Replacement of identical equipment	Enter dollar value	

* More details in page 3

** Mandatory

Specification Tab Information

Attribute	Attribute Description	Attribute Value	Measure Unit	Requirement
DESCRIPT	Description			Mandatory

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Appendix B13 – Data Collection Sheet (For optional use)

Classification: *Conveyors*

Equipment Tab Information

Field	Data Description	Data Entry	Value
Equipment Description **	Engineering description of equipment	Enter Function, Category, Characteristic, Capacity	
Vendor **	First 4 characters of vendor plus a 2 digit identifier	Select from List Box, If company is not in the list, right click on "Vendor" field and enter details of the new Company *	
Manufacturer **	First 4 characters of manufacturer plus a 2 digit identifier	Select from List Box, If company is not in the list, right click on "Manufacturer" field and enter details of the new Company *	
Serial No **	Serial number of equipment	Enter number	
Model **	Model or Code of Equipment	Enter model	
Failure Class **	Failure code for equipment	Select from List Box	
CMEL Code **	Chemical, Mechanical, Electrical, Electronic	Select from List Box	
Installation Date **	Date Installed/ Commissioned	Click Dialogue Box to bring up calendar and set the date	
Warranty Date **	Date manufactures warranty expires	Click Dialogue Box to bring up calendar and set the date	
Purchase Price **	Purchase or capital cost of equipment	Enter dollar value	
Replacement Cost **	Replacement of identical equipment	Enter dollar value	

* More details in page 3

** Mandatory

Specification Tab Information

Attribute	Attribute Description	Attribute Value	Measure Unit	Requirement
DESCRIPT	<i>Description</i>			Optional
TYP_CONV	<i>Type of Conveyor</i>			Mandatory
CAPACITY	<i>Capacity</i>			Mandatory
DIM_WTH	<i>Dimension – Width</i>		M	Mandatory
DIM_LGTH	<i>Dimension – Length</i>		M	Mandatory
DIA_ROLL	<i>Diameter of Rollers</i>		M	Optional
NO_ROLL	<i>Number of Rollers</i>			Optional
RPM_FIX	<i>Rev's Per Minute</i>		RPM	Optional

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DIA_SCEW	<i>Diameter of Screw</i>		M	Optional
TYP_CHAN	<i>Type of Drive Chain</i>			Optional
WEIGHT	<i>Weight</i>		KG	Optional
PWR_RTG	<i>Power Rating</i>		KW	Mandatory

Appendix B14 – Data Collection Sheet (For optional use)
Classification: Drainage Pumping Station

Equipment Tab Information

Field	Data Description	Data Entry	Value
Equipment Description **	Engineering description of equipment	Enter Function, Category, Characteristic, Capacity	
Vendor **	First 4 characters of vendor plus a 2 digit identifier	Select from List Box, If company is not in the list, right click on "Vendor" field and enter details of the new Company *	
Manufacturer **	First 4 characters of manufacturer plus a 2 digit identifier	Select from List Box, If company is not in the list, right click on "Manufacturer" field and enter details of the new Company *	
Serial No **	Serial number of equipment	Enter number	
Model **	Model or Code of Equipment	Enter model	
Failure Class **	Failure code for equipment	Select from List Box	
CMEL Code **	Chemical, Mechanical, Electrical, Electronic	Select from List Box	
Installation Date **	Date Installed/ Commissioned	Click Dialogue Box to bring up calendar and set the date	
Warranty Date **	Date manufactures warranty expires	Click Dialogue Box to bring up calendar and set the date	
Purchase Price **	Purchase or capital cost of equipment	Enter dollar value	
Replacement Cost **	Replacement of identical equipment	Enter dollar value	

* More details in page 3

** Mandatory

Specification Tab Information

Attribute	Attribute Description	Attribute Value	Measure Unit	Requirement
NO_UNITS	<i>Number of Pumping Units</i>			Mandatory
TYP_STRC	<i>Structure Type</i>			Mandatory
TYP_TLRY	<i>Telemetry Type</i>			Optional
TYP_CONT	<i>Station Control Type</i>			Optional
AUTOSEQ	<i>Auto Sequencing</i>			Optional
AUTRESET	<i>Auto Reset After Power Failure</i>			Optional
TYP_LVL	<i>Level Control Type</i>			Mandatory
GEN_CON	<i>Emergency Generator Connection</i>			Optional

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GEN_CABL	Generator Cable Length (m)		M	Optional
GEN_KVA	Generator Capacity Req'd (kva)		KVA	Mandatory
PWR_DUAL	Dual Power Supply to Run Stati			Mandatory
OF_IMPCT	Impact of O'flow on Environment			Optional
OF_DEST	Overflow Pathway			Optional
HERITAGE	Heritage item			Optional

Appendix B15 – Data Collection Sheet (For optional use)

Classification: *Earthing*

Equipment Tab Information

Field	Data Description	Data Entry	Value
Equipment Description **	Engineering description of equipment	Enter Function, Category, Characteristic, Capacity	
Vendor **	First 4 characters of vendor plus a 2 digit identifier	Select from List Box, If company is not in the list, right click on "Vendor" field and enter details of the new Company *	
Manufacturer **	First 4 characters of manufacturer plus a 2 digit identifier	Select from List Box, If company is not in the list, right click on "Manufacturer" field and enter details of the new Company *	
Serial No **	Serial number of equipment	Enter number	
Model **	Model or Code of Equipment	Enter model	
Failure Class **	Failure code for equipment	Select from List Box	
CMEL Code **	Chemical, Mechanical, Electrical, Electronic	Select from List Box	
Installation Date **	Date Installed/ Commissioned	Click Dialogue Box to bring up calendar and set the date	
Warranty Date **	Date manufactures warranty expires	Click Dialogue Box to bring up calendar and set the date	
Purchase Price **	Purchase or capital cost of equipment	Enter dollar value	
Replacement Cost **	Replacement of identical equipment	Enter dollar value	

* More details in page 3

** Mandatory

Specification Tab Information

Attribute	Attribute Description	Attribute Value	Measure Unit	Requirement
DESCRIPT	Description			Mandatory

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Appendix B16 – Data Collection Sheet (For optional use)
Classification: IICATS Equipment

Equipment Tab Information

Field	Data Description	Data Entry	Value
Equipment Description **	Engineering description of equipment	Enter Function, Category, Characteristic, Capacity	
Vendor **	First 4 characters of vendor plus a 2 digit identifier	Select from List Box, If company is not in the list, right click on "Vendor" field and enter details of the new Company *	
Manufacturer **	First 4 characters of manufacturer plus a 2 digit identifier	Select from List Box, If company is not in the list, right click on "Manufacturer" field and enter details of the new Company *	
Serial No **	Serial number of equipment	Enter number	
Model **	Model or Code of Equipment	Enter model	
Failure Class **	Failure code for equipment	Select from List Box	
C MEL Code **	Chemical, Mechanical, Electrical, Electronic	Select from List Box	
Installation Date **	Date Installed/ Commissioned	Click Dialogue Box to bring up calendar and set the date	
Warranty Date **	Date manufactures warranty expires	Click Dialogue Box to bring up calendar and set the date	
Purchase Price **	Purchase or capital cost of equipment	Enter dollar value	
Replacement Cost **	Replacement of identical equipment	Enter dollar value	

* More details in page 3

** Mandatory

Specification Tab Information

Attribute	Attribute Description	Attribute Value	Measure Unit	Requirement
DESCRIPT	Description			Mandatory

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Appendix B17 – Data Collection Sheet (For optional use)
Classification: *Flowmeter*

Equipment Tab Information

Field	Data Description	Data Entry	Value
Equipment Description **	Engineering description of equipment	Enter Function, Category, Characteristic, Capacity	
Vendor **	First 4 characters of vendor plus a 2 digit identifier	Select from List Box, If company is not in the list, right click on "Vendor" field and enter details of the new Company *	
Manufacturer **	First 4 characters of manufacturer plus a 2 digit identifier	Select from List Box, If company is not in the list, right click on "Manufacturer" field and enter details of the new Company *	
Serial No **	Serial number of equipment	Enter number	
Model **	Model or Code of Equipment	Enter model	
Failure Class **	Failure code for equipment	Select from List Box	
CMEL Code **	Chemical, Mechanical, Electrical, Electronic	Select from List Box	
Installation Date **	Date Installed/ Commissioned	Click Dialogue Box to bring up calendar and set the date	
Warranty Date **	Date manufactures warranty expires	Click Dialogue Box to bring up calendar and set the date	
Purchase Price **	Purchase or capital cost of equipment	Enter dollar value	
Replacement Cost **	Replacement of identical equipment	Enter dollar value	

* More details in page 3

** Mandatory

Specification Tab Information

Attribute	Attribute Description	Attribute Value	Measure Unit	Requirement
FM_TYP	<i>Flowmeter Type</i>			Mandatory
FM_RANGE	<i>Range of Flowmeter</i>		ML / DAY	Mandatory
BOR_MTR	<i>Meter Bore</i>		MM	Optional
BOR_THRT	Throat Bore			Optional
SIG_OUT	<i>Signal Output</i>			Mandatory

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VOLTAGE	<i>Voltage</i>		VOLTS	Mandatory
FM_LOCAT	<i>Flowmeter Location</i>			Mandatory
RQSTD_BY	<i>Name & Ph No of Requestor</i>			Optional
RQSTRLOC	<i>Requestors Section</i>			Optional
RQSTDATE	<i>Date of Request</i>			Optional

Appendix B18 – Data Collection Sheet (For optional use)
Classification: General Equipment

Equipment Tab Information

Field	Data Description	Data Entry	Value
Equipment Description **	Engineering description of equipment	Enter Function, Category, Characteristic, Capacity	
Vendor **	First 4 characters of vendor plus a 2 digit identifier	Select from List Box, If company is not in the list, right click on "Vendor" field and enter details of the new Company *	
Manufacturer **	First 4 characters of manufacturer plus a 2 digit identifier	Select from List Box, If company is not in the list, right click on "Manufacturer" field and enter details of the new Company *	
Serial No **	Serial number of equipment	Enter number	
Model **	Model or Code of Equipment	Enter model	
Failure Class **	Failure code for equipment	Select from List Box	
CMEL Code **	Chemical, Mechanical, Electrical, Electronic	Select from List Box	
Installation Date **	Date Installed/ Commissioned	Click Dialogue Box to bring up calendar and set the date	
Warranty Date **	Date manufactures warranty expires	Click Dialogue Box to bring up calendar and set the date	
Purchase Price **	Purchase or capital cost of equipment	Enter dollar value	
Replacement Cost **	Replacement of identical equipment	Enter dollar value	

* More details in page 3

** Mandatory

Specification Tab Information

Attribute	Attribute Description	Attribute Value	Measure Unit	Requirement
DESCRIPT	<i>Description</i>			Mandatory

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Appendix B19 – Data Collection Sheet (For optional use)

Classification: *Generators*

Equipment Tab Information

Field	Data Description	Data Entry	Value
Equipment Description **	Engineering description of equipment	Enter Function, Category, Characteristic, Capacity	
Vendor **	First 4 characters of vendor plus a 2 digit identifier	Select from List Box, If company is not in the list, right click on "Vendor" field and enter details of the new Company *	
Manufacturer **	First 4 characters of manufacturer plus a 2 digit identifier	Select from List Box, If company is not in the list, right click on "Manufacturer" field and enter details of the new Company *	
Serial No **	Serial number of equipment	Enter number	
Model **	Model or Code of Equipment	Enter model	
Failure Class **	Failure code for equipment	Select from List Box	
CMEL Code **	Chemical, Mechanical, Electrical, Electronic	Select from List Box	
Installation Date **	Date Installed/ Commissioned	Click Dialogue Box to bring up calendar and set the date	
Warranty Date **	Date manufactures warranty expires	Click Dialogue Box to bring up calendar and set the date	
Purchase Price **	Purchase or capital cost of equipment	Enter dollar value	
Replacement Cost **	Replacement of identical equipment	Enter dollar value	

* More details in page 3

** Mandatory

Specification Tab Information

Attribute	Attribute Description	Attribute Value	Measure Unit	Requirement
TYP_GENE	Type of Generator			Mandatory
GEN_LOC	Generator Location On Site			Mandatory
PWR_RTG	Power Rating		KW	Mandatory
PWR_SB	Power - Standby kVA		KVA	Optional

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VOLTAGE	<i>Voltage</i>		VOLTS	Mandatory
CUR_FLC	<i>Full Load Current</i>		AMPS	Mandatory
RPM_FIX	<i>Rev's Per Minute</i>		RPM	Optional
WEIGHT	<i>Weight</i>		KG	Optional
FUEL_CAP	<i>Fuel Storage capacity</i>		LITRES	Mandatory
TIM_LOWF	<i>Runtime From Low Fuel Alarm</i>			Optional
LOAD_BNK	<i>Integrated Load Bank</i>			Optional

Appendix B20 – Data Collection Sheet (For optional use)

Classification: *Heat Exchangers*

Equipment Tab Information

Field	Data Description	Data Entry	Value
Equipment Description **	Engineering description of equipment	Enter Function, Category, Characteristic, Capacity	
Vendor **	First 4 characters of vendor plus a 2 digit identifier	Select from List Box, If company is not in the list, right click on "Vendor" field and enter details of the new Company *	
Manufacturer **	First 4 characters of manufacturer plus a 2 digit identifier	Select from List Box, If company is not in the list, right click on "Manufacturer" field and enter details of the new Company *	
Serial No **	Serial number of equipment	Enter number	
Model **	Model or Code of Equipment	Enter model	
Failure Class **	Failure code for equipment	Select from List Box	
CMEL Code **	Chemical, Mechanical, Electrical, Electronic	Select from List Box	
Installation Date **	Date Installed/ Commissioned	Click Dialogue Box to bring up calendar and set the date	
Warranty Date **	Date manufactures warranty expires	Click Dialogue Box to bring up calendar and set the date	
Purchase Price **	Purchase or capital cost of equipment	Enter dollar value	
Replacement Cost **	Replacement of identical equipment	Enter dollar value	

* More details in page 3

** Mandatory

Specification Tab Information

Attribute	Attribute Description	Attribute Value	Measure Unit	Requirement
DESCRIPT	<i>Description</i>			Mandatory

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Appendix B21 – Data Collection Sheet (For optional use)

Classification: *Heaters & Boilers*

Equipment Tab Information

Field	Data Description	Data Entry	Value
Equipment Description **	Engineering description of equipment	Enter Function, Category, Characteristic, Capacity	
Vendor **	First 4 characters of vendor plus a 2 digit identifier	Select from List Box, If company is not in the list, right click on "Vendor" field and enter details of the new Company *	
Manufacturer **	First 4 characters of manufacturer plus a 2 digit identifier	Select from List Box, If company is not in the list, right click on "Manufacturer" field and enter details of the new Company *	
Serial No **	Serial number of equipment	Enter number	
Model **	Model or Code of Equipment	Enter model	
Failure Class **	Failure code for equipment	Select from List Box	
CMEL Code **	Chemical, Mechanical, Electrical, Electronic	Select from List Box	
Installation Date **	Date Installed/ Commissioned	Click Dialogue Box to bring up calendar and set the date	
Warranty Date **	Date manufactures warranty expires	Click Dialogue Box to bring up calendar and set the date	
Purchase Price **	Purchase or capital cost of equipment	Enter dollar value	
Replacement Cost **	Replacement of identical equipment	Enter dollar value	

* More details in page 3

** Mandatory

Specification Tab Information

Attribute	Attribute Description	Attribute Value	Measure Unit	Requirement
DESCRIPT	<i>Description</i>			Mandatory
TYP_HEAT	<i>Types of Heater or Boiler</i>			Mandatory
HEAT_RAT	<i>Heat Rating</i>		KJ	Optional
TYP_FUEL	<i>Fuel Type Burnt</i>			Mandatory
WEIGHT	<i>Weight</i>		KG	Optional

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Appendix B22 – Data Collection Sheet (For optional use)

Classification: *High Voltage Equipment*

Equipment Tab Information

Field	Data Description	Data Entry	Value
Equipment Description **	Engineering description of equipment	Enter Function, Category, Characteristic, Capacity	
Vendor **	First 4 characters of vendor plus a 2 digit identifier	Select from List Box, If company is not in the list, right click on "Vendor" field and enter details of the new Company *	
Manufacturer **	First 4 characters of manufacturer plus a 2 digit identifier	Select from List Box, If company is not in the list, right click on "Manufacturer" field and enter details of the new Company *	
Serial No **	Serial number of equipment	Enter number	
Model **	Model or Code of Equipment	Enter model	
Failure Class **	Failure code for equipment	Select from List Box	
C MEL Code **	Chemical, Mechanical, Electrical, Electronic	Select from List Box	
Installation Date **	Date Installed/ Commissioned	Click Dialogue Box to bring up calendar and set the date	
Warranty Date **	Date manufactures warranty expires	Click Dialogue Box to bring up calendar and set the date	
Purchase Price **	Purchase or capital cost of equipment	Enter dollar value	
Replacement Cost **	Replacement of identical equipment	Enter dollar value	

* More details in page 3

** Mandatory

Specification Tab Information

Attribute	Attribute Description	Attribute Value	Measure Unit	Requirement
TYP_HVS	High Voltage Switch Function			Mandatory
TYP_REL	Relay Type			Optional
HV_NUM	High Voltage Number			Optional

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PROT_CTM	<i>O'current Time Multiplier set</i>			Optional
PROT_CIS	<i>O'current Instantaneous Set</i>			Optional
VOLTAGE	<i>Voltage</i>		VOLTS	Mandatory
CUR_FLC	<i>Full Load Current</i>		AMPS	Mandatory
PROT_FTM	<i>Fault Time Multiplier Set</i>			Optional
CUR_FLT	<i>Rated Fault Level Current</i>		AMPS	Optional
PROT_FIS	<i>Fault Instantaneous Set</i>			Optional
CASTL_KN	<i>Castel Key Number</i>			Optional
QUENCH_M	<i>Arc Quenching Medium</i>			Optional

Appendix 23 – Data Collection Sheet (For optional use)

Classification: *Hydraulics*

Equipment Tab Information

Field	Data Description	Data Entry	Value
Equipment Description **	Engineering description of equipment	Enter Function, Category, Characteristic, Capacity	
Vendor **	First 4 characters of vendor plus a 2 digit identifier	Select from List Box, If company is not in the list, right click on "Vendor" field and enter details of the new Company *	
Manufacturer **	First 4 characters of manufacturer plus a 2 digit identifier	Select from List Box, If company is not in the list, right click on "Manufacturer" field and enter details of the new Company *	
Serial No **	Serial number of equipment	Enter number	
Model **	Model or Code of Equipment	Enter model	
Failure Class **	Failure code for equipment	Select from List Box	
C MEL Code **	Chemical, Mechanical, Electrical, Electronic	Select from List Box	
Installation Date **	Date Installed/ Commissioned	Click Dialogue Box to bring up calendar and set the date	
Warranty Date **	Date manufactures warranty expires	Click Dialogue Box to bring up calendar and set the date	
Purchase Price **	Purchase or capital cost of equipment	Enter dollar value	
Replacement Cost **	Replacement of identical equipment	Enter dollar value	

* More details in page 3

** Mandatory

Specification Tab Information

Attribute	Attribute Description	Attribute Value	Measure Unit	Requirement
DESCRIPT	<i>Description</i>			Mandatory
CAPACITY	<i>Capacity</i>			Optional
WEIGHT	<i>Weight</i>		KG	Optional

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Appendix B24 – Data Collection Sheet (For optional use)

Classification: *Instruments*

Equipment Tab Information

Field	Data Description	Data Entry	Value
Equipment Description **	Engineering description of equipment	Enter Function, Category, Characteristic, Capacity	
Vendor **	First 4 characters of vendor plus a 2 digit identifier	Select from List Box, If company is not in the list, right click on "Vendor" field and enter details of the new Company *	
Manufacturer **	First 4 characters of manufacturer plus a 2 digit identifier	Select from List Box, If company is not in the list, right click on "Manufacturer" field and enter details of the new Company *	
Serial No **	Serial number of equipment	Enter number	
Model **	Model or Code of Equipment	Enter model	
Failure Class **	Failure code for equipment	Select from List Box	
C MEL Code **	Chemical, Mechanical, Electrical, Electronic	Select from List Box	
Installation Date **	Date Installed/ Commissioned	Click Dialogue Box to bring up calendar and set the date	
Warranty Date **	Date manufactures warranty expires	Click Dialogue Box to bring up calendar and set the date	
Purchase Price **	Purchase or capital cost of equipment	Enter dollar value	
Replacement Cost **	Replacement of identical equipment	Enter dollar value	

* More details in page 3

** Mandatory

Specification Tab Information

Attribute	Attribute Description	Attribute Value	Measure Unit	Requirement
TRANSDUC	<i>Transducer Type</i>			Mandatory
MEASUNIT	<i>Measurement Unit</i>			Mandatory
RANGE	<i>Range</i>			Mandatory

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SPAN	<i>Span</i>			Optional
SPAN_REV	<i>Span Reverse</i>			Optional
ACCURACY	<i>Accuracy (+ / - %)</i>			Optional
VOLTAGE	<i>Voltage</i>		VOLTS	Mandatory
SIG_OUT	<i>Signal Output</i>			Mandatory

Appendix B25 – Data Collection Sheet (For optional use)

Classification: *Lifting Equipment*

Equipment Tab Information

Field	Data Description	Data Entry	Value
Equipment Description **	Engineering description of equipment	Enter Function, Category, Characteristic, Capacity	
Vendor **	First 4 characters of vendor plus a 2 digit identifier	Select from List Box, If company is not in the list, right click on "Vendor" field and enter details of the new Company *	
Manufacturer **	First 4 characters of manufacturer plus a 2 digit identifier	Select from List Box, If company is not in the list, right click on "Manufacturer" field and enter details of the new Company *	
Serial No **	Serial number of equipment	Enter number	
Model **	Model or Code of Equipment	Enter model	
Failure Class **	Failure code for equipment	Select from List Box	
CMEL Code **	Chemical, Mechanical, Electrical, Electronic	Select from List Box	
Installation Date **	Date Installed/ Commissioned	Click Dialogue Box to bring up calendar and set the date	
Warranty Date **	Date manufactures warranty expires	Click Dialogue Box to bring up calendar and set the date	
Purchase Price **	Purchase or capital cost of equipment	Enter dollar value	
Replacement Cost **	Replacement of identical equipment	Enter dollar value	

* More details in page 3

** Mandatory

Specification Tab Information

Attribute	Attribute Description	Attribute Value	Measure Unit	Requirement
PLANT_NO	<i>Plant Number</i>			Optional
SAFELoad	<i>Safe Working Load</i>		TONNE	Mandatory
TYP_CROS	<i>Cross Travel Type</i>			Optional

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TYP_HST	Hoist Type			Mandatory
TYP_LONG	Long Travel Type			Optional
TYP_CHBK	Chainblock Type			Optional
TYP_GTRY	Girder Trolley Type			Optional

Appendix B26 – Data Collection Sheet (For optional use)

Classification: *Lighting Equipment*

Equipment Tab Information

Field	Data Description	Data Entry	Value
Equipment Description **	Engineering description of equipment	Enter Function, Category, Characteristic, Capacity	
Vendor **	First 4 characters of vendor plus a 2 digit identifier	Select from List Box, If company is not in the list, right click on "Vendor" field and enter details of the new Company *	
Manufacturer **	First 4 characters of manufacturer plus a 2 digit identifier	Select from List Box, If company is not in the list, right click on "Manufacturer" field and enter details of the new Company *	
Serial No **	Serial number of equipment	Enter number	
Model **	Model or Code of Equipment	Enter model	
Failure Class **	Failure code for equipment	Select from List Box	
CMEL Code **	Chemical, Mechanical, Electrical, Electronic	Select from List Box	
Installation Date **	Date Installed/ Commissioned	Click Dialogue Box to bring up calendar and set the date	
Warranty Date **	Date manufactures warranty expires	Click Dialogue Box to bring up calendar and set the date	
Purchase Price **	Purchase or capital cost of equipment	Enter dollar value	
Replacement Cost **	Replacement of identical equipment	Enter dollar value	

* More details in page 3

** Mandatory

Specification Tab Information

Attribute	Attribute Description	Attribute Value	Measure Unit	Requirement
DESCRIPT	Description			Mandatory

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Appendix B27 – Data Collection Sheet (For optional use)

Classification: *Macerator / Muncher*

Equipment Tab Information

Field	Data Description	Data Entry	Value
Equipment Description **	Engineering description of equipment	Enter Function, Category, Characteristic, Capacity	
Vendor **	First 4 characters of vendor plus a 2 digit identifier	Select from List Box, If company is not in the list, right click on "Vendor" field and enter details of the new Company *	
Manufacturer **	First 4 characters of manufacturer plus a 2 digit identifier	Select from List Box, If company is not in the list, right click on "Manufacturer" field and enter details of the new Company *	
Serial No **	Serial number of equipment	Enter number	
Model **	Model or Code of Equipment	Enter model	
Failure Class **	Failure code for equipment	Select from List Box	
CMEL Code **	Chemical, Mechanical, Electrical, Electronic	Select from List Box	
Installation Date **	Date Installed/ Commissioned	Click Dialogue Box to bring up calendar and set the date	
Warranty Date **	Date manufactures warranty expires	Click Dialogue Box to bring up calendar and set the date	
Purchase Price **	Purchase or capital cost of equipment	Enter dollar value	
Replacement Cost **	Replacement of identical equipment	Enter dollar value	

* More details in page 3

** Mandatory

Specification Tab Information

Attribute	Attribute Description	Attribute Value	Measure Unit	Requirement
AUTOSEQ	<i>Auto Sequencing</i>			Optional
AUTRESET	<i>Auto Reset After Power Failure</i>			Optional

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DIA_DSCH	<i>Diameter - Discharge</i>		MM	Mandatory
DIA_SUCT	<i>Diameter - Suction</i>		MM	Mandatory
FLOW	<i>Flow (L/S)</i>		L/S	Mandatory
HEAD_DES	<i>Head (m)</i>			Optional
MOUNTING	<i>Mounting Orientation</i>			Optional
PWR_RTG	<i>Power Rating</i>		KW	Mandatory
RPM	<i>Speed - RPM</i>		RPM	Mandatory
TYP_SUC	<i>Suction Safety Type</i>			Optional
WEIGHT	<i>Weight</i>		KG	Optional

Appendix B28 – Data Collection Sheet (For optional use)

Classification: *Motor*

Equipment Tab Information

Field	Data Description	Data Entry	Value
Equipment Description **	Engineering description of equipment	Enter Function, Category, Characteristic, Capacity	
Vendor **	First 4 characters of vendor plus a 2 digit identifier	Select from List Box, If company is not in the list, right click on "Vendor" field and enter details of the new Company *	
Manufacturer **	First 4 characters of manufacturer plus a 2 digit identifier	Select from List Box, If company is not in the list, right click on "Manufacturer" field and enter details of the new Company *	
Serial No **	Serial number of equipment	Enter number	
Model **	Model or Code of Equipment	Enter model	
Failure Class **	Failure code for equipment	Select from List Box	
CMEL Code **	Chemical, Mechanical, Electrical, Electronic	Select from List Box	
Installation Date **	Date Installed/ Commissioned	Click Dialogue Box to bring up calendar and set the date	
Warranty Date **	Date manufactures warranty expires	Click Dialogue Box to bring up calendar and set the date	
Purchase Price **	Purchase or capital cost of equipment	Enter dollar value	
Replacement Cost **	Replacement of identical equipment	Enter dollar value	

* More details in page 3

** Mandatory

Specification Tab Information

Attribute	Attribute Description	Attribute Value	Measure Unit	Requirement
PWR_RTG	<i>Power Rating</i>		KW	Mandatory
VOLTAGE	<i>Voltage</i>		VOLTS	Mandatory
RPM	<i>Speed – RPM</i>		RPM	Mandatory
CURRENT_F	<i>Full Load Current (amps)</i>		AMPS	Mandatory
CURRENT_O	<i>Current – Operating</i>		AMPS	Mandatory
WEIGHT	<i>Weight</i>		KG	Optional
MOUNTING	<i>Mounting Orientation</i>			Mandatory
TYP_COOL	<i>Cooling Type</i>			Mandatory

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TYP_FRAM	Frame Type			Mandatory
ANTICOND	Anti Condensation Heaters			Optional
OILPODET	Motor Oil Polluted Detection			Optional
NO_START	Rated Starts Per Hour			Optional
INSULCLA	Insulation Class			Mandatory
TYP_MTR	Motor Type			Mandatory
WDG	Winding Connection			Optional
THERMIST	Thermistors			Optional
FREQUENCY	Frequency		HZ	Mandatory
POLE_NO	No of Poles			Mandatory
ROTR_TYP	Rotor Type			Mandatory
RATIO_EM	Elect/Mech Power Ratio			Optional
RPM_NOM	Nominal Speed			Optional
INCONTDB	Include in Contingency Database			Optional

Appendix B29 – Data Collection Sheet (For optional use)
Classification: Passenger & Goods Lifts

Equipment Tab Information

Field	Data Description	Data Entry	Value
Equipment Description **	Engineering description of equipment	Enter Function, Category, Characteristic, Capacity	
Vendor **	First 4 characters of vendor plus a 2 digit identifier	Select from List Box, If company is not in the list, right click on "Vendor" field and enter details of the new Company *	
Manufacturer **	First 4 characters of manufacturer plus a 2 digit identifier	Select from List Box, If company is not in the list, right click on "Manufacturer" field and enter details of the new Company *	
Serial No **	Serial number of equipment	Enter number	
Model **	Model or Code of Equipment	Enter model	
Failure Class **	Failure code for equipment	Select from List Box	
CMEL Code **	Chemical, Mechanical, Electrical, Electronic	Select from List Box	
Installation Date **	Date Installed/ Commissioned	Click Dialogue Box to bring up calendar and set the date	
Warranty Date **	Date manufactures warranty expires	Click Dialogue Box to bring up calendar and set the date	
Purchase Price **	Purchase or capital cost of equipment	Enter dollar value	
Replacement Cost **	Replacement of identical equipment	Enter dollar value	

* More details in page 3

** Mandatory

Specification Tab Information

Attribute	Attribute Description	Attribute Value	Measure Unit	Requirement
DESCRIPT	Description			Mandatory

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REG_NO	Registration Number			Optional
REG_EXP	Registration Expiry Date			Optional
TYP_LIFT	Type Of Lifting Equipment			Mandatory
PLANT_NO	Plant Number			Optional
TYP_DRIV	Drive Type			Optional
TYP_CON	Control Type			Optional
TYP_SUSP	Lift Suspension Type			Optional
LOAD_MAX	Maximum Rated Load		KG	Mandatory
SPE_MAX	Lift Speed Max (m/s)			Mandatory
TRAV_MAX	Lift Travel Max		M	Mandatory
PASS_MAX	Lift Max No of Passengers			Mandatory

Appendix B30 – Data Collection Sheet (For optional use)

Classification: *Pipework*

Equipment Tab Information

Field	Data Description	Data Entry	Value
Equipment Description **	Engineering description of equipment	Enter Function, Category, Characteristic, Capacity	
Vendor **	First 4 characters of vendor plus a 2 digit identifier	Select from List Box, If company is not in the list, right click on “Vendor” field and enter details of the new Company *	
Manufacturer **	First 4 characters of manufacturer plus a 2 digit identifier	Select from List Box, If company is not in the list, right click on “Manufacturer” field and enter details of the new Company *	
Serial No **	Serial number of equipment	Enter number	
Model **	Model or Code of Equipment	Enter model	
Failure Class **	Failure code for equipment	Select from List Box	
CMEL Code **	Chemical, Mechanical, Electrical, Electronic	Select from List Box	
Installation Date **	Date Installed/ Commissioned	Click Dialogue Box to bring up calendar and set the date	
Warranty Date **	Date manufactures warranty expires	Click Dialogue Box to bring up calendar and set the date	
Purchase Price **	Purchase or capital cost of equipment	Enter dollar value	
Replacement Cost **	Replacement of identical equipment	Enter dollar value	

* More details in page 3

** Mandatory

Specification Tab Information

Attribute	Attribute Description	Attribute Value	Measure Unit	Requirement
DESCRIPT	Description			Mandatory

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Appendix B31 – Data Collection Sheet (For optional use)
Classification: *Emergency Pumping Unit*

Equipment Tab Information

Field	Data Description	Data Entry	Value
Equipment Description **	Engineering description of equipment	Enter Function, Category, Characteristic, Capacity	
Vendor **	First 4 characters of vendor plus a 2 digit identifier	Select from List Box, If company is not in the list, right click on "Vendor" field and enter details of the new Company *	
Manufacturer **	First 4 characters of manufacturer plus a 2 digit identifier	Select from List Box, If company is not in the list, right click on "Manufacturer" field and enter details of the new Company *	
Serial No **	Serial number of equipment	Enter number	
Model **	Model or Code of Equipment	Enter model	
Failure Class **	Failure code for equipment	Select from List Box	
CMEL Code **	Chemical, Mechanical, Electrical, Electronic	Select from List Box	
Installation Date **	Date Installed/ Commissioned	Click Dialogue Box to bring up calendar and set the date	
Warranty Date **	Date manufactures warranty expires	Click Dialogue Box to bring up calendar and set the date	
Purchase Price **	Purchase or capital cost of equipment	Enter dollar value	
Replacement Cost **	Replacement of identical equipment	Enter dollar value	

* More details in page 3

** Mandatory

Specification Tab Information

Attribute	Attribute Description	Attribute Value	Measure Unit	Requirement
HEAD_DES	Head (m)			Mandatory

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FLOW	Flow (L/S)		L/S	Mandatory
PWR_RTG	Power Rating		KW	Mandatory
DIA_SUCT	Diameter - Suction		MM	Mandatory
DIA_DSCH	Diameter - Discharge		MM	Mandatory
WEIGHT	Weight		KG	Optional
FUEL_CAP	Fuel Storage capacity		LITRES	Mandatory
TIM_LOWF	Runtime From Low Fuel Alarm			Optional

Appendix B32 – Data Collection Sheet (For optional use)

Classification: Power Poles

Equipment Tab Information

Field	Data Description	Data Entry	Value
Equipment Description **	Engineering description of equipment	Enter Function, Category, Characteristic, Capacity	
Vendor **	First 4 characters of vendor plus a 2 digit identifier	Select from List Box, If company is not in the list, right click on "Vendor" field and enter details of the new Company *	
Manufacturer **	First 4 characters of manufacturer plus a 2 digit identifier	Select from List Box, If company is not in the list, right click on "Manufacturer" field and enter details of the new Company *	
Serial No **	Serial number of equipment	Enter number	
Model **	Model or Code of Equipment	Enter model	
Failure Class **	Failure code for equipment	Select from List Box	
CMEL Code **	Chemical, Mechanical, Electrical, Electronic	Select from List Box	
Installation Date **	Date Installed/ Commissioned	Click Dialogue Box to bring up calendar and set the date	
Warranty Date **	Date manufactures warranty expires	Click Dialogue Box to bring up calendar and set the date	
Purchase Price **	Purchase or capital cost of equipment	Enter dollar value	
Replacement Cost **	Replacement of identical equipment	Enter dollar value	

* More details in page 3

** Mandatory

Specification Tab Information

Attribute	Attribute Description	Attribute Value	Measure Unit	Requirement
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DATE_COM	Date of Commissioning			Optional
NO_POL_T	Total No of Poles on Site			Optional
NO_POL_S	No of Poles Owned by SWC			Mandatory
NO_BARG	No of Barge Boards on Site			Optional
NO_CH	No of Chambers for U/G Supply			Optional
TYP_SPLY	Type of Supply			Optional
PWR_DUAL	Dual Power Supply to Run Stati			Optional
FILE_NO	Electricity Supply File Number			Optional
FILE_LOC	Electricity Supply File Locati			Optional
ACC_NO	Energy Account No.			Optional
PWR_LOCM	Location of Electric Metering			Mandatory
PWR_RES	Supply Voltage Resp. Point			Mandatory
PWR_SPLY	Power Supply Authority			Mandatory
VOLTAGE	Voltage		VOLTS	Mandatory
MODE_IN	Mode of Incoming Power			Optional

Appendix 33 – Data Collection Sheet (For optional use)

Classification: Pressure Switch

Equipment Tab Information

Field	Data Description	Data Entry	Value
Equipment Description **	Engineering description of equipment	Enter Function, Category, Characteristic, Capacity	
Vendor **	First 4 characters of vendor plus a 2 digit identifier	Select from List Box, If company is not in the list, right click on "Vendor" field and enter details of the new Company *	
Manufacturer **	First 4 characters of manufacturer plus a 2 digit identifier	Select from List Box, If company is not in the list, right click on "Manufacturer" field and enter details of the new Company *	
Serial No **	Serial number of equipment	Enter number	
Model **	Model or Code of Equipment	Enter model	
Failure Class **	Failure code for equipment	Select from List Box	
CMEL Code **	Chemical, Mechanical, Electrical, Electronic	Select from List Box	
Installation Date **	Date Installed/ Commissioned	Click Dialogue Box to bring up calendar and set the date	
Warranty Date **	Date manufactures warranty expires	Click Dialogue Box to bring up calendar and set the date	
Purchase Price **	Purchase or capital cost of equipment	Enter dollar value	
Replacement Cost **	Replacement of identical equipment	Enter dollar value	

* More details in page 3

** Mandatory

Specification Tab Information

Attribute	Attribute Description	Attribute Value	Measure Unit	Requirement
RANGE_PS	Range - Pressure Switch		BAR	Mandatory
PMAX_PS	Maximum Pressure - Pressure Sw		BAR	Optional

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SETPT_PS	Set Point - Pressure Switch		BAR	Optional
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Appendix B34 – Data Collection Sheet (For optional use)
Classification: Pressure Transmitter

Equipment Tab Information

Field	Data Description	Data Entry	Value
Equipment Description **	Engineering description of equipment	Enter Function, Category, Characteristic, Capacity	
Vendor **	First 4 characters of vendor plus a 2 digit identifier	Select from List Box, If company is not in the list, right click on "Vendor" field and enter details of the new Company *	
Manufacturer **	First 4 characters of manufacturer plus a 2 digit identifier	Select from List Box, If company is not in the list, right click on "Manufacturer" field and enter details of the new Company *	
Serial No **	Serial number of equipment	Enter number	
Model **	Model or Code of Equipment	Enter model	
Failure Class **	Failure code for equipment	Select from List Box	
CMEL Code **	Chemical, Mechanical, Electrical, Electronic	Select from List Box	
Installation Date **	Date Installed/ Commissioned	Click Dialogue Box to bring up calendar and set the date	
Warranty Date **	Date manufactures warranty expires	Click Dialogue Box to bring up calendar and set the date	
Purchase Price **	Purchase or capital cost of equipment	Enter dollar value	
Replacement Cost **	Replacement of identical equipment	Enter dollar value	

* More details in page 3

** Mandatory

Specification Tab Information

Attribute	Attribute Description	Attribute Value	Measure Unit	Requirement
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RANGE_PT	Range - Pressure Transmitter		M H20	Mandatory
POWER_PT	Power Supply - Pressure Transm		VDC	Mandatory
OUTPT_PT	Output - Pressure Transmitter		MADC	Mandatory
PMAX_PT	Maximum Pressure - Pressure Tr		KPA	Optional
SPAN_PT	Span - Pressure Transmitter		M H20	Optional

Appendix 35 – Data Collection Sheet (For optional use)

Classification: Presses

Equipment Tab Information

Field	Data Description	Data Entry	Value
Equipment Description **	Engineering description of equipment	Enter Function, Category, Characteristic, Capacity	
Vendor **	First 4 characters of vendor plus a 2 digit identifier	Select from List Box, If company is not in the list, right click on "Vendor" field and enter details of the new Company *	
Manufacturer **	First 4 characters of manufacturer plus a 2 digit identifier	Select from List Box, If company is not in the list, right click on "Manufacturer" field and enter details of the new Company *	
Serial No **	Serial number of equipment	Enter number	
Model **	Model or Code of Equipment	Enter model	
Failure Class **	Failure code for equipment	Select from List Box	
CMEL Code **	Chemical, Mechanical, Electrical, Electronic	Select from List Box	
Installation Date **	Date Installed/ Commissioned	Click Dialogue Box to bring up calendar and set the date	
Warranty Date **	Date manufactures warranty expires	Click Dialogue Box to bring up calendar and set the date	
Purchase Price **	Purchase or capital cost of equipment	Enter dollar value	
Replacement Cost **	Replacement of identical equipment	Enter dollar value	

* More details in page 3

** Mandatory

Specification Tab Information

Attribute	Attribute Description	Attribute Value	Measure Unit	Requirement
TYP_PRES	Type of Press			Mandatory
WEIGHT	Weight		KG	Optional

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PWR_RTG	Power Rating		KW	Mandatory
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Appendix B36 – Data Collection Sheet (For optional use)

Classification: *Pump*

Equipment Tab Information

Field	Data Description	Data Entry	Value
Equipment Description **	Engineering description of equipment	Enter Function, Category, Characteristic, Capacity	
Vendor **	First 4 characters of vendor plus a 2 digit identifier	Select from List Box, If company is not in the list, right click on "Vendor" field and enter details of the new Company *	
Manufacturer **	First 4 characters of manufacturer plus a 2 digit identifier	Select from List Box, If company is not in the list, right click on "Manufacturer" field and enter details of the new Company *	
Serial No **	Serial number of equipment	Enter number	
Model **	Model or Code of Equipment	Enter model	
Failure Class **	Failure code for equipment	Select from List Box	
CMEL Code **	Chemical, Mechanical, Electrical, Electronic	Select from List Box	
Installation Date **	Date Installed/ Commissioned	Click Dialogue Box to bring up calendar and set the date	
Warranty Date **	Date manufactures warranty expires	Click Dialogue Box to bring up calendar and set the date	
Purchase Price **	Purchase or capital cost of equipment	Enter dollar value	
Replacement Cost **	Replacement of identical equipment	Enter dollar value	

* More details in page 3

** Mandatory

Specification Tab Information

Attribute	Attribute Description	Attribute Value	Measure Unit	Requirement
HEAD_DES	Head (m)			Mandatory
FLOW	Flow (L/S)		L/S	Mandatory
DIA_SUCT	Diameter – Suction		MM	Mandatory
DIA_DSCH	Diameter – Discharge		MM	Mandatory
DIA_SPHR	Diameter – Sphere		MM	Optional

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DIA_IMP	Diameter – Impeller		MM	Mandatory
IMP_CURV	Impellor Curve Number			Mandatory
TYP_SEAL	Seal Type			Mandatory
TYP_FLSH	Flushing Valve Type			Optional
RPM	Speed – RPM		RPM	Mandatory
MEDIUM	Medium			Mandatory
WEIGHT	Weight		KG	Optional
NO_STAGE	Number of Stages			Mandatory
HEAD_SL	Suction Lift Head Req'd at Site		M	Optional
HEAD_ND	No Discharge Head		M	Optional
EFF_FIX	Efficiency		%	Mandatory
UNIT	Unit No			Optional
HEAD_ST	Mean Static Head		M	Optional
HEAD_GR	Mean Gross Head		M	Optional
INCONTDB	Include in Contingency Database			Optional

Appendix B37 – Data Collection Sheet (For optional use)

Classification: *Pump*

Sub-Classification: *Mobile Pumping Unit*

Equipment Tab Information

Field	Data Description	Data Entry	Value
Equipment Description **	Engineering description of equipment	Enter Function, Category, Characteristic, Capacity	
Vendor **	First 4 characters of vendor plus a 2 digit identifier	Select from List Box, If company is not in the list, right click on "Vendor" field and enter details of the new Company *	
Manufacturer **	First 4 characters of manufacturer plus a 2 digit identifier	Select from List Box, If company is not in the list, right click on "Manufacturer" field and enter details of the new Company *	
Serial No **	Serial number of equipment	Enter number	
Model **	Model or Code of Equipment	Enter model	
Failure Class **	Failure code for equipment	Select from List Box	
CMEL Code **	Chemical, Mechanical, Electrical, Electronic	Select from List Box	
Installation Date **	Date Installed/ Commissioned	Click Dialogue Box to bring up calendar and set the date	
Warranty Date **	Date manufactures warranty expires	Click Dialogue Box to bring up calendar and set the date	
Purchase Price **	Purchase or capital cost of equipment	Enter dollar value	
Replacement Cost **	Replacement of identical equipment	Enter dollar value	

* More details in page 3

** Mandatory

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Specification Tab Information

Attribute	Attribute Description	Attribute Value	Measure Unit	Requirement
HEAD_DES	Head (m)			Mandatory
FLOW	Flow (L/S)		L/S	Mandatory
PWR_RTG	Power Rating		KW	Mandatory
DIA_SUCT	Diameter - Suction		MM	Mandatory
DIA_DSCH	Diameter - Discharge		MM	Mandatory
DIA_IMP	Diameter - Impeller		MM	Mandatory
IMP_CURV	Impellor Code			Mandatory
RPM	Speed - RPM		RPM	Mandatory
WEIGHT	Weight		KG	Optional
FUEL_CAP	Fuel Storage capacity		LITRES	Optional
FUEL_TYP	Fuel Type			Optional
MOUNT_TY	Mounting Type			Optional

Appendix B38 – Data Collection Sheet (For optional use)

Classification: *Pump*

Sub-classification: *Submersible Pumping Unit*

Equipment Tab Information

Field	Data Description	Data Entry	Value
Equipment Description **	Engineering description of equipment	Enter Function, Category, Characteristic, Capacity	
Vendor **	First 4 characters of vendor plus a 2 digit identifier	Select from List Box, If company is not in the list, right click on "Vendor" field and enter details of the new Company *	
Manufacturer **	First 4 characters of manufacturer plus a 2 digit identifier	Select from List Box, If company is not in the list, right click on "Manufacturer" field and enter details of the new Company *	
Serial No **	Serial number of equipment	Enter number	
Model **	Model or Code of Equipment	Enter model	
Failure Class **	Failure code for equipment	Select from List Box	
CMEL Code **	Chemical, Mechanical, Electrical, Electronic	Select from List Box	
Installation Date **	Date Installed/ Commissioned	Click Dialogue Box to bring up calendar and set the date	
Warranty Date **	Date manufactures warranty expires	Click Dialogue Box to bring up calendar and set the date	
Purchase Price **	Purchase or capital cost of equipment	Enter dollar value	
Replacement Cost **	Replacement of identical equipment	Enter dollar value	

* More details in page 3

** Mandatory

Specification Tab Information

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Attribute	Attribute Description	Attribute Value	Measure Unit	Requirement
HEAD_DES	Head (m)			Mandatory
FLOW	Flow (L/S)		L/S	Mandatory
PWR_RTG	Power Rating		KW	Mandatory
RPM	Speed - RPM		RPM	Mandatory
DIA_SUCT	Diameter – Suction		MM	Mandatory
DIA_DSCH	Diameter – Discharge		MM	Mandatory
TYP_FLSH	Flushing Valve Type			Optional
WEIGHT	Weight		KG	Optional
IMP_CURV	Impellor Curve Number			Mandatory
DIA_IMP	Diameter – Impeller		MM	Mandatory
VOLTAGE	Voltage		VOLTS	Mandatory
UNIT	Unit No			Optional
CURRENT_F	Full Load Current (amps)		AMPS	Mandatory
CURRENT_O	Current – Operating		AMPS	Mandatory
INCONTDB	Include in Contingency Database			Optional

Appendix B39 – Data Collection Sheet (For optional use)

Classification: *Reservoir*

Equipment Tab Information

Field	Data Description	Data Entry	Value
Equipment Description **	Engineering description of equipment	Enter Function, Category, Characteristic, Capacity	
Vendor **	First 4 characters of vendor plus a 2 digit identifier	Select from List Box, If company is not in the list, right click on “Vendor” field and enter details of the new Company *	
Manufacturer **	First 4 characters of manufacturer plus a 2 digit identifier	Select from List Box, If company is not in the list, right click on “Manufacturer” field and enter details of the new Company *	
Serial No **	Serial number of equipment	Enter number	
Model **	Model or Code of Equipment	Enter model	
Failure Class **	Failure code for equipment	Select from List Box	
CMEL Code **	Chemical, Mechanical, Electrical, Electronic	Select from List Box	
Installation Date **	Date Installed/ Commissioned	Click Dialogue Box to bring up calendar and set the date	
Warranty Date **	Date manufactures warranty expires	Click Dialogue Box to bring up calendar and set the date	
Purchase Price **	Purchase or capital cost of equipment	Enter dollar value	
Replacement Cost **	Replacement of identical equipment	Enter dollar value	

* More details in page 3

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(Continue) Appendix B39 – Data Collection Sheet (For optional use)
Classification: Reservoir

Specification Tab Information

Attribute	Attribute Description	Attribute Value	Measure Unit	Requirement
TYP_RES	Type Of Reservoir			Mandatory
CAPACITY	Capacity			Mandatory
LVL_OF	Overflow Level			Mandatory
LVL_FSL	Full Service Level			Mandatory
LVL_RSL	Reserve Service Level			Optional
LVL_LSL	Lowest Service Level			Optional
LVL_FLR	Reservoir Floor Level			Mandatory
CATHPROT	Cathodic Protection			Mandatory
NO_MIX	Number of Mixers			Mandatory
TYP_MIX	Mixer Type			Mandatory
COAT_EXT	Exterior Coating			Optional
COAT_INT	Interior Coating			Mandatory
MAT_FLWL	Const Material - Floor/Wall			Mandatory
MAT_ROOF	Construction Material - Roof			Mandatory
TYP_LVL	Level Control Type			Optional
WQM	Water Quality Monitoring			Optional
WTR_DEL	Water Delivery System			Optional
WTR_DEST	Water Destination			Optional
WTR_DIS	Water Distribution System			Optional
WTR_SRCE	Water Source			Optional
WTR_ZONE	Water Reservoir Zone			Optional
XSECAREA	Cross Sectional Area		M2	Optional
OF_IMPCT	Impact of O'flow on Environmen			Optional
OF_DEST	Overflow Pathway			Mandatory
OF_LOC	Overflow Location			Mandatory
HERITAGE	Heritage Item			Optional
DEPTH	Depth			Mandatory
DIA	Diameter		MM	Mandatory
AREA_FLR	Area - Floor		M2	Optional
AREA_WAL	Area - Wall		M2	Optional
MAT_FLR	Material - Floor			Optional

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MAT_WAL	Material - Wall			Optional
STRUCTUR	Structure			Optional

Appendix B40 – Data Collection Sheet (For optional use)
Classification: Safety Equipment

Equipment Tab Information

Field	Data Description	Data Entry	Value
Equipment Description **	Engineering description of equipment	Enter Function, Category, Characteristic, Capacity	
Vendor **	First 4 characters of vendor plus a 2 digit identifier	Select from List Box, If company is not in the list, right click on "Vendor" field and enter details of the new Company *	
Manufacturer **	First 4 characters of manufacturer plus a 2 digit identifier	Select from List Box, If company is not in the list, right click on "Manufacturer" field and enter details of the new Company *	
Serial No **	Serial number of equipment	Enter number	
Model **	Model or Code of Equipment	Enter model	
Failure Class **	Failure code for equipment	Select from List Box	
CMEL Code **	Chemical, Mechanical, Electrical, Electronic	Select from List Box	
Installation Date **	Date Installed/ Commissioned	Click Dialogue Box to bring up calendar and set the date	
Warranty Date **	Date manufactures warranty expires	Click Dialogue Box to bring up calendar and set the date	
Purchase Price **	Purchase or capital cost of equipment	Enter dollar value	
Replacement Cost **	Replacement of identical equipment	Enter dollar value	

* More details in page 3

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Specification Tab Information

Attribute	Attribute Description	Attribute Value	Measure Unit	Requirement
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DESCRIPT	Description			Mandatory
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Appendix B41 – Data Collection Sheet (For optional use)
Classification: Scrapers

Equipment Tab Information

Field	Data Description	Data Entry	Value
Equipment Description **	Engineering description of equipment	Enter Function, Category, Characteristic, Capacity	
Vendor **	First 4 characters of vendor plus a 2 digit identifier	Select from List Box, If company is not in the list, right click on "Vendor" field and enter details of the new Company *	
Manufacturer **	First 4 characters of manufacturer plus a 2 digit identifier	Select from List Box, If company is not in the list, right click on "Manufacturer" field and enter details of the new Company *	
Serial No **	Serial number of equipment	Enter number	
Model **	Model or Code of Equipment	Enter model	
Failure Class **	Failure code for equipment	Select from List Box	
CMEL Code **	Chemical, Mechanical, Electrical, Electronic	Select from List Box	
Installation Date **	Date Installed/ Commissioned	Click Dialogue Box to bring up calendar and set the date	
Warranty Date **	Date manufactures warranty expires	Click Dialogue Box to bring up calendar and set the date	
Purchase Price **	Purchase or capital cost of equipment	Enter dollar value	
Replacement Cost **	Replacement of identical equipment	Enter dollar value	

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Specification Tab Information

Attribute	Attribute Description	Attribute Value	Measure Unit	Requirement
TYP_TRAV	Direction of Travel			Mandatory
TYP_COUP	Coupling Type			Optional
CHAN_DRV	Type of Drive Chain			Mandatory
CHAN_MAN	Type of Main Chain			Mandatory
MAT_BOD	Body Material			Optional
RPM_FIX	Rev's Per Minute		RPM	Optional
GEARRAT	Gear Box Ratio			Optional
RPM_G_OT	Gearbox Output RPM		RPM	Optional
WEIGHT	Weight		KG	Optional
PWR_RTG	Power Rating		KW	Mandatory

Appendix B42 – Data Collection Sheet (For optional use) Classification: Screening Equipment

Equipment Tab Information

Field	Data Description	Data Entry	Value
Equipment Description **	Engineering description of equipment	Enter Function, Category, Characteristic, Capacity	
Vendor **	First 4 characters of vendor plus a 2 digit identifier	Select from List Box, If company is not in the list, right click on "Vendor" field and enter details of the new Company *	
Manufacturer **	First 4 characters of manufacturer plus a 2 digit identifier	Select from List Box, If company is not in the list, right click on "Manufacturer" field and enter details of the new Company *	
Serial No **	Serial number of equipment	Enter number	
Model **	Model or Code of Equipment	Enter model	
Failure Class **	Failure code for equipment	Select from List Box	
CMEL Code **	Chemical, Mechanical, Electrical, Electronic	Select from List Box	
Installation Date **	Date Installed/ Commissioned	Click Dialogue Box to bring up calendar and set the date	
Warranty Date **	Date manufactures warranty expires	Click Dialogue Box to bring up calendar and set the date	
Purchase Price **	Purchase or capital cost of equipment	Enter dollar value	
Replacement Cost **	Replacement of identical equipment	Enter dollar value	

* More details in page 3

** Mandatory

Specification Tab Information

Attribute	Attribute Description	Attribute Value	Measure Unit	Requirement
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TYP_SCRN	Type of Screen			Mandatory
DIM_SIZE	Size of Mesh or Bar Spacing		MM	Mandatory
DIM_WTH	Dimension – Width		M	Mandatory
DIM_OD	Dimension - Outside Diameter			Optional
TYP_COUP	Coupling Type			Optional
RPM_FIX	Rev's Per Minute		RPM	Optional
GEARRAT	Gear Box Ratio			Mandatory
RPM_G_OT	Gearbox Output RPM		RPM	Mandatory
PWR_RTG	Power Rating		KW	Mandatory
WEIGHT	Weight		KG	Optional

Appendix B43 – Data Collection Sheet (For optional use)
Classification: Sewage Pumping Station

Equipment Tab Information

Field	Data Description	Data Entry	Value
Equipment Description **	Engineering description of equipment	Enter Function, Category, Characteristic, Capacity	
Vendor **	First 4 characters of vendor plus a 2 digit identifier	Select from List Box, If company is not in the list, right click on "Vendor" field and enter details of the new Company *	
Manufacturer **	First 4 characters of manufacturer plus a 2 digit identifier	Select from List Box, If company is not in the list, right click on "Manufacturer" field and enter details of the new Company *	
Serial No **	Serial number of equipment	Enter number	
Model **	Model or Code of Equipment	Enter model	
Failure Class **	Failure code for equipment	Select from List Box	
CMEL Code **	Chemical, Mechanical, Electrical, Electronic	Select from List Box	
Installation Date **	Date Installed/ Commissioned	Click Dialogue Box to bring up calendar and set the date	
Warranty Date **	Date manufactures warranty expires	Click Dialogue Box to bring up calendar and set the date	
Purchase Price **	Purchase or capital cost of equipment	Enter dollar value	
Replacement Cost **	Replacement of identical equipment	Enter dollar value	

* More details in page 3

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(Continue) Appendix B43 – Data Collection Sheet (For optional use)
Classification: Sewage Pumping Station

Specification Tab Information

Attribute	Attribute Description	Attribute Value	Measure Unit	Requirement
SPSH01	** SPS CHARACTERISTICS **			
TYP_SPS	Station Type			Mandatory
SPS_PRVT	SWC or Private SPS			Mandatory
SYS_NAM	SWC Sewer System Name			Optional
SPSH04	** DESIGN CHARACTERISTICS **			Optional
EP_DESGN	Design Equivalent Population			Mandatory
EP_ULT	Ultimate Equivalent Population			Mandatory
ADWF_ULT	Ultimate Design ADWF		L/S	Optional
PDWF_ULT	Ultimate Design PDWF		L/S	Optional
WWF_DES	Design Wet Weather Flow		L/S	Mandatory
PDWF_DES	Design PDWF		L/S	Mandatory
PDWF_DDT	Date Design PDWF			Optional
PDWF_MES	Measured PDWF			Optional
PDWF_MDT	Date Measured PDWF			Optional
NO_UNITS	Number of Pumping Units			Mandatory
NO_COMP	Number of Compressor Units			Optional
NO_MIX	Number of Mixers			Optional
NO_VAC	Number of Vacuum Units			Optional
NO_MAC	Number of Macerators			Optional
NO_WETW	Number of Wet Wells			Optional
DIA_WW	Wet Well Diameter		M	Mandatory
XSECAREA	Cross Sectional Area		M2	Optional
CAP_WW1	Storage - Wet Well (s)		LITRES	Mandatory
CAP_EST	Storage - Emergency Storage Ty			Optional
CAP_ES	Storage - Emergency Storage		LITRES	Mandatory
CAP_IS	Storage in Incoming Sewer		LITRES	Mandatory

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CAP_TOT	Total Storage Capacity		LITRES	Mandatory
RM_NMBR	Number of Rising Mains			Optional
RM_SIZE	Size of Rising Main (mm)		MM	Mandatory
RM_LNGTH	Length of Rising Main (m)		M	Optional
RM_MAT	Rising Main Pipe Material			Mandatory
RM_DISCH	Rising Main Discharge Point			Mandatory
RM_LHP	RM Length to Highest Pt		M	Mandatory
OF_TYPE	Overflow Type			Mandatory
OF_SIZE	Overflow Size			Mandatory
OF_LOC	Overflow Location			Mandatory
OF_UBD	Overflow UBD Map Reference			Mandatory
OF_DEST	Overflow Pathway			Optional
OF_PLOC	Overflow Probe Location			Optional
OF_RECV	Overflow Receiving Waters			Mandatory
RW_CLASS	Receiving Water Classification			Optional
RW_SENS	Receiving Water Sensitivity			Optional

(Continue) Appendix B43 – Data Collection Sheet (For optional use)
Classification: Sewage Pumping Station

Specification Tab Information

Attribute	Attribute Description	Attribute Value	Measure Unit	Requirement
SPSH07	** PUMP / VALVE INFORMATION **			
TYP_SUC	Suction Safety Type			Mandatory
TYP_PMP	Pump Speed Type			Mandatory
HEAD_ST	Mean Static Head		M	Mandatory
HEAD_GR	Mean Gross Head		M	Optional
FOOTSTEP	Footstep Bend			Optional
SPSH06	** CONTROL CHARACTERISTICS **			
TYP_TLRY	Telemetry Type			Optional
TYP_CONT	Station Control Type			Optional
AUTOSEQ	Auto Sequencing			Optional
RESETREM	Remote Reset Capability			Optional
AUTRESET	Auto Reset After Power Failure			Optional
PSERTUNM	PSE & RTU Name			Optional
RTMRADNO	RTM & Radial Line No.			Optional
DAISPOS	Daisy Chain Position			Optional
DAISUPST	Daisy Chain Upstream SPS's			Optional
SPSH03	** LEVEL INFORMATION **			
SVY_MARK	Survey Mark Description			Mandatory
LVL_SITE	Station Datum AHD			Mandatory
OF_WEIR	Overflow WeirCrest Level (AHD)			Mandatory
LVL_WWT	Wet Well 1 Top Level AHD			Optional
LVL_WWF	Wet Well 1 Floor Level AHD			Optional
LVL_WWT2	Wet Well 2 Top Level AHD			Optional
LVL_WWF2	Wet Well 2 Floor Level AHD			Optional
LVL_MWF	Machinery Well Floor Level AHD			Optional
LVL_DIVW	Top Dividing Wall Level AHD			Optional

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LVL_FLOD	Flood Level AHD		M	Optional
LVL_IN	Invert Level of Wet Well 1 Inl		M	Optional
LVL_IN2	Invert Level of Wet Well 2 Inl		M	Optional
LVL_CACI	Invert Level – Collecting M/H		M	Optional
LVL_CACS	Surface Level - Collecting M/H		M	Optional
LVL_RMR	Level - RM Receiving Pt AHD		M	Optional
LVL_RMH	Level - RM Highest Pt AHD		M	Optional
LVL_OACS	Surface Level of O/F M/H		M	Optional
LVL_OACI	Invert Level of O/F M/H AHD		M	Optional
LVL_GACS	Surface Level of Gascheck M/H		M	Optional
LVL_GACI	Invert Level of Gascheck M/H		M	Optional
LVL_SCT	Level - Strg Chmber at Top		M	Optional
LVL_SCB	Level - Strg Chmber at Bottom		M	Optional
SPSH05	** ELECTRICAL INFORMATION **			
PWR_SPLY	Power Supply Authority			Mandatory

(Continue) Appendix B43 – Data Collection Sheet (For optional use)
Classification: Sewage Pumping Station

Specification Tab Information

Attribute	Attribute Description	Attribute Value	Measure Unit	Requirement
VOLT_FAC	Incoming Supply Voltage (v)			Mandatory
PWR_RES	Supply Voltage Resp. Point			Mandatory
SUB_NAM	Substation Name			Optional
SUB_NO	Substation Number			Optional
ACC_NO	Energy Account No.			Optional
PWR_LOCB	Location Boxed			Optional
PWR_MOD	Mode of Incoming Power			Optional
SPSH02	** CONTINGENCY INFORMATION **			
RANK_SWC	SWC Rank			Optional
ASETCON	Asset Condition			Optional
CIV_MTCE	Civil Maintenance Area			Optional
ACES_SPS	Access Conditions			Optional
ACES_SP1	Access to SPS			Optional
OF_TIME	Detention Time		HRS:MINS	Mandatory
OF_DATE	Date Last Tested (Detention Ti			Optional
CAP_DET	Detention Capacity (capacity b		KL	Mandatory
OF_TIME9	Where SPS Not O/F To Environme			Optional
NO_STP	STP Name			Optional
STP_TIM	Sewage Travel Time to STP (Hrs			Optional
SPS_UPST	Upstream SPS			Optional
SPS_DNST	Downstream (parent) SPS			Optional
INSP_NH	Visual Inspections Normal Hrs			Optional
INSP_AF	Visual Inspections After Hrs			Optional
FLOOD	Flood Prone			Optional
HERITAGE	Heritage Item			Optional
TYP_STRC	Structure Type			Mandatory

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MEMO_1	Signage (Safety, Access)			Optional
MEMO_2	Access Lighting			Optional
MEMO_3	Comments - line 1			Optional
MEMO_4	Comments - line 2			Optional
MEMO_5	Comments - line 3			Optional
SPSH09	** TANKER CONTINGENCY INFORMAT			
TKR_SUIT	Tanker Suitability			Mandatory
TKR_SIZE	Tanker Size			Mandatory
TKR_NHR	No. of Tankers Req. per hour			Mandatory
TKR_PO1	Tanker Collection Point (prima			Mandatory
TKR_PO2	Tanker Collection Point (secon			Optional
TKR_DSC1	Tanker Discharge Location (pri			Optional
TKR_DSC2	Tanker Discharge Location (sec			Optional
TKR_DLA	Discharge Location Access			Optional
TKT_TURN	Tanker Turn Around Time (hrs :		MINUTES	Mandatory
TKR_MEMO	Comments – Tanker			Optional

(Continue) Appendix B43 – Data Collection Sheet (For optional use)
Classification: Sewage Pumping Station

Specification Tab Information

Attribute	Attribute Description	Attribute Value	Measure Unit	Requirement
TKR_WTST	Tanker - Date of Wet Test			Optional
TKR_RSLT	Outcome of Tanker Wet Test			Optional
SPSH10	** GENERATOR CONTINGENCY INFOR			
PWR_DUAL	Dual Power Supply to Run Stati			Mandatory
GEN_SITE	Permanent Generator Installed			Mandatory
GEN_LOC	Generator Location On Site			Optional
GEN_SUIT	Site suitable for generator us			Optional
GEN_STOR	Generator From Store			Optional
GEN_KVA	Generator Capacity Req'd (kva)		KVA	Mandatory
GEN_CABL	Generator Cable Length (m)		M	Optional
GEN_CBL1	Generator Cable Size (mm2)		MM2	Optional
GEN_TYP	Generator Connection Type			Optional
GEN_CON	Generator Emergency Connection			Optional
GEN_MEMO	Comments – Generator			Optional
GEN_WTST	Generator - Date of Wet Test			Optional
GEN_RSLT	Outcome of Generator Wet Test			Optional
SPSH11	** BY PASS CONTINGENCY INFORMA			
PMP_SITE	Emergency Pump Installed on Si			Optional
ROT_SUIT	Rotable Spare Pump Suitability			Optional
BPP_SUIT	By-Pass Pumping Suitability t			Optional
BPP_CONN	By-Pass Connection Size and Ty			Optional
BPP_PMPC	By-Pass Pump Pipe Connection			Optional
BPP_PREF	Pump – Store			Optional
BPP_ALTD	Pump – Depot			Optional
BPP_OTHR	Pump – Other			Optional
BPP_ELEC	By-Pass Pump Elect Connection			Optional

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HEAD_SL	Suction Lift Head Req'd at Site		M	Optional
BPP_NMBR	Number of By-Pass Connections			Optional
BPP_HOSE	Discharge Hose Length (m)			Optional
BPP_HEAD	By-Pass Pump Head (m)		M	Optional
BPP_FLOW	By-Pass Pump Flow (L/S)		L/S	Optional
BPP_PLAC	Pump out Location - elect			Optional
BPP_MAKE	By-Pass Pump Manufacturer - el			Optional
BPP_MODL	By-Pass Pump Model - elect			Optional
BPP_MAKD	By-Pass Pump Manufacturer - di			Optional
BPP_MODAL	By-Pass Pump Model - diesel			Optional
BPP_HDS1	Suction Hose Length (m)		M	Optional
BPP_HSD2	Discharge Hose Length (m)		M	Optional
BPP_PLD1	Pump Out Location - diesel			Optional
BPP_FTGS	Fittings Required			Optional
CURRENT_F	Full Load Current (amps)		AMPS	Optional
BPP_MEMO	Comments - By-Pass Pumping			Optional

(Continue) Appendix B43 – Data Collection Sheet (For optional use)

Classification: Sewage Pumping Station

Specification Tab Information

Attribute	Attribute Description	Attribute Value	Measure Unit	Requirement
BPP_WTST	By-pass Pump - Date of Wet Tes			Optional
BPP_RSLT	Outcome of ByPass Pump Wet Tes			Optional
SPSH12	** OTHER CONTAINMENT INFORMATI			
SB_SUIT	Sandbag Suitability Y/N			Optional
SB_LOC	Location of Sandbags			Optional
SB_ACC	Access For Installing Sandbags			Optional
SB_REQ	Number of Sandbags Req'd			Optional
BM_SUIT	Boom Suitability Y/N			Optional
BM_LOC	Location of Booms			Optional
BM_ACC	Access For Installing Booms			Optional
BM_REQ	Numbers of Booms Req'd			Optional
OF_CONT	Possible O'flow Contain. Loc.			Optional
SPSH08	** NO LONGER REQUIRED **			
SOLP_RNK	SOLP Rank			Optional
SOLP_GA	SOLP EIS Geographic Area			Optional
SOLP_TIM	SOLP Containment Time (Hrs)			Optional
SOLP_DAT	SOLP Last Update			Optional
DIM_WWD	Wet Well Depth		M	Optional
TKR_SIZP	Tanker Size Peak Time 6-10 am			Optional
TKR_SIZO	Tanker Size Off Peak Time			Optional
TKR_QTYP	No Tanker Req/Hr Peak 6-10 am			Optional
TKR_QTYO	No Tanker Req/hr Off Peak			Optional
PWR_LOCM	Location of Electric Metering			Optional
TYP_SWG	Sewage Type			Optional
LVL_SCI	Level - Strg Chmber at Inflow		M	Optional
LVL_SCO	Level - Strg Chmber at Outflow		M	Optional

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UNIT	Unit No			Optional
DIA_SUCT	Diameter - Suction		MM	Optional
DIA_DSCH	Diameter - Discharge		MM	Optional
FLOW	Flow (L/S)		L/S	Optional
VOLTAGE	Voltage		VOLTS	Optional
HEAD_DES	Head (m)			Optional
IMP_CURV	Impellor Code			Optional
PWR_RTG	Power Rating		KW	Optional
CURRENT_O	Current - Operating		AMPS	Optional
TYP_FLSH	Flushing Valve Type			Optional
LVL_SS	Level - Suction Safety AHD		M	Optional
LVL_MWL	Level - Mean Water Level AHD			Optional
LVL_ATWL	Level - ATWL Alarm AHD			Optional
LVL_BBWL	Level - BBWL AHD		M	Optional
DIA_IMP	Diameter - Impeller		MM	Optional
WEIGHT	Weight		KG	Optional
OF_DRY_W	No Dry Weather Overflow SPS			Optional

Appendix B44 – Data Collection Sheet (For optional use)
Classification: Starter

Equipment Tab Information

Field	Data Description	Data Entry	Value
Equipment Description **	Engineering description of equipment	Enter Function, Category, Characteristic, Capacity	
Vendor **	First 4 characters of vendor plus a 2 digit identifier	Select from List Box, If company is not in the list, right click on "Vendor" field and enter details of the new Company *	
Manufacturer **	First 4 characters of manufacturer plus a 2 digit identifier	Select from List Box, If company is not in the list, right click on "Manufacturer" field and enter details of the new Company *	
Serial No **	Serial number of equipment	Enter number	
Model **	Model or Code of Equipment	Enter model	
Failure Class **	Failure code for equipment	Select from List Box	
CMEL Code **	Chemical, Mechanical, Electrical, Electronic	Select from List Box	
Installation Date **	Date Installed/ Commissioned	Click Dialogue Box to bring up calendar and set the date	
Warranty Date **	Date manufactures warranty expires	Click Dialogue Box to bring up calendar and set the date	
Purchase Price **	Purchase or capital cost of equipment	Enter dollar value	
Replacement Cost **	Replacement of identical equipment	Enter dollar value	

* More details in page 3

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Specification Tab Information

Attribute	Attribute Description	Attribute Value	Measure Unit	Requirement
PWR_RTG	Power Rating		KW	Mandatory
VOLTAGE	Voltage		VOLTS	Mandatory
VOLT_CON	Control Voltage		VOLTS	Mandatory
TYP_STTR	Starter Type			Mandatory
NO_START	Rated Starts Per Hour			Optional
TOL_SET	Thermal Overload Setting		AMPS	Optional
TYP_COOL	Cooling Type			Optional

Appendix B45 – Data Collection Sheet (For optional use)

Classification: *Structure*

Equipment Tab Information

Field	Data Description	Data Entry	Value
Equipment Description **	Engineering description of equipment	Enter Function, Category, Characteristic, Capacity	
Vendor **	First 4 characters of vendor plus a 2 digit identifier	Select from List Box, If company is not in the list, right click on "Vendor" field and enter details of the new Company *	
Manufacturer **	First 4 characters of manufacturer plus a 2 digit identifier	Select from List Box, If company is not in the list, right click on "Manufacturer" field and enter details of the new Company *	
Serial No **	Serial number of equipment	Enter number	
Model **	Model or Code of Equipment	Enter model	
Failure Class **	Failure code for equipment	Select from List Box	
CMEL Code **	Chemical, Mechanical, Electrical, Electronic	Select from List Box	
Installation Date **	Date Installed/ Commissioned	Click Dialogue Box to bring up calendar and set the date	
Warranty Date **	Date manufactures warranty expires	Click Dialogue Box to bring up calendar and set the date	
Purchase Price **	Purchase or capital cost of equipment	Enter dollar value	
Replacement Cost **	Replacement of identical equipment	Enter dollar value	

* More details in page 3

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Specification Tab Information

Attribute	Attribute Description	Attribute Value	Measure Unit	Requirement
TYP_STRC	Structure Type			Mandatory

Appendix B46 – Data Collection Sheet (For optional use) Classification: *Switchboard*

Equipment Tab Information

Field	Data Description	Data Entry	Value
Equipment Description **	Engineering description of equipment	Enter Function, Category, Characteristic, Capacity	
Vendor **	First 4 characters of vendor plus a 2 digit identifier	Select from List Box, If company is not in the list, right click on "Vendor" field and enter details of the new Company *	
Manufacturer **	First 4 characters of manufacturer plus a 2 digit identifier	Select from List Box, If company is not in the list, right click on "Manufacturer" field and enter details of the new Company *	
Serial No **	Serial number of equipment	Enter number	
Model **	Model or Code of Equipment	Enter model	
Failure Class **	Failure code for equipment	Select from List Box	
C MEL Code **	Chemical, Mechanical, Electrical, Electronic	Select from List Box	
Installation Date **	Date Installed/ Commissioned	Click Dialogue Box to bring up calendar and set the date	
Warranty Date **	Date manufactures warranty expires	Click Dialogue Box to bring up calendar and set the date	
Purchase Price **	Purchase or capital cost of equipment	Enter dollar value	
Replacement Cost **	Replacement of identical equipment	Enter dollar value	

* More details in page 3 ** Mandatory

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Specification Tab Information

Attribute	Attribute Description	Attribute Value	Measure Unit	Requirement
FREQUENCY	Frequency		HZ	Optional
CURRENT_O	Current - Operating		AMPS	Mandatory
VOLTAGE	Voltage		VOLTS	Mandatory
VOLT_CON	Control Voltage		VOLTS	Mandatory
VOLT_INS	Instrument Voltage		VOLTS	Optional
PROT_DEG	Degree of Protection			Optional
AS_IPRAT	IP Rating to AS:			Mandatory
DIM_LGTH	Dimension - Length		M	Optional
DIM_WTH	Dimension - Width		M	Optional
DIM_HGHT	Dimension Height		M	Optional
WEIGHT	Weight		KG	Optional
AS_MANUF	Manufactured to AS: IP:			Optional
INSULCLA	Insulation Class			Mandatory
WS_SHORT	Short Time Withstand		KA	Optional
WS_DURAT	Withstand Duration			Optional
WS_PEAK	Peak Withstand		KA	Optional

Appendix B47 – Data Collection Sheet (For optional use)

Classification: Telemetry Equipment

Equipment Tab Information

Field	Data Description	Data Entry	Value
Equipment Description **	Engineering description of equipment	Enter Function, Category, Characteristic, Capacity	
Vendor **	First 4 characters of vendor plus a 2 digit identifier	Select from List Box, If company is not in the list, right click on "Vendor" field and enter details of the new Company *	
Manufacturer **	First 4 characters of manufacturer plus a 2 digit identifier	Select from List Box, If company is not in the list, right click on "Manufacturer" field and enter details of the new Company *	
Serial No **	Serial number of equipment	Enter number	
Model **	Model or Code of Equipment	Enter model	
Failure Class **	Failure code for equipment	Select from List Box	
CMEL Code **	Chemical, Mechanical, Electrical, Electronic	Select from List Box	
Installation Date **	Date Installed/ Commissioned	Click Dialogue Box to bring up calendar and set the date	
Warranty Date **	Date manufactures warranty expires	Click Dialogue Box to bring up calendar and set the date	
Purchase Price **	Purchase or capital cost of equipment	Enter dollar value	
Replacement Cost **	Replacement of identical equipment	Enter dollar value	

* More details in page 3

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Specification Tab Information

Attribute	Attribute Description	Attribute Value	Measure Unit	Requirement
DESCRIPT	Description			Mandatory

Appendix B48 – Data Collection Sheet (For optional use) Classification: Transformer

Equipment Tab Information

Field	Data Description	Data Entry	Value
Equipment Description **	Engineering description of equipment	Enter Function, Category, Characteristic, Capacity	
Vendor **	First 4 characters of vendor plus a 2 digit identifier	Select from List Box, If company is not in the list, right click on "Vendor" field and enter details of the new Company *	
Manufacturer **	First 4 characters of manufacturer plus a 2 digit identifier	Select from List Box, If company is not in the list, right click on "Manufacturer" field and enter details of the new Company *	
Serial No **	Serial number of equipment	Enter number	
Model **	Model or Code of Equipment	Enter model	
Failure Class **	Failure code for equipment	Select from List Box	
CMEL Code **	Chemical, Mechanical, Electrical, Electronic	Select from List Box	
Installation Date **	Date Installed/Commissioned	Click Dialogue Box to bring up calendar and set the date	
Warranty	Date manufactures	Click Dialogue Box	

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Date **	warranty expires	to bring up calendar and set the date	
Purchase Price **	Purchase or capital cost of equipment	Enter dollar value	
Replacement Cost **	Replacement of identical equipment	Enter dollar value	

* More details in page 3

** Mandatory

(Continue) Appendix B48 – Data Collection Sheet (For optional use)
Classification: Transformer

Specification Tab Information

Attribute	Attribute Description	Attribute Value	Measure Unit	Requirement
HV_NUM	High Voltage Number			Optional
WDG_PRI	Primary Winding Connection			Optional
WDG_SEC	Secondary Winding Connection			Optional
NO_W_SEC	Number of Secondary Windings			Optional
VOLT_PRI	Primary Voltage		VOLTS	Mandatory
VOLT_SEC	Secondary Voltage		VOLTS	Mandatory
VLT_SEC1	Secondary Voltage Winding 1		VOLTS	Optional
VLT_SEC2	Secondary Voltage Winding 2		VOLTS	Optional
CUR_PRI	Primary Current		AMPS	Mandatory
CUR_SEC	Secondary Current		AMPS	Mandatory
CUR_SEC1	Secondary Current Winding 1		AMPS	Optional
CUR_SEC2	Secondary Current Winding 2		AMPS	Optional
LOAD_MAX	Maximum Rated Load		KVA	Mandatory
LOAD_MX1	Max Rated Load - Sec Winding 1		KVA	Optional
LOAD_MX2	Max Rated Load - Sec Winding 2		KVA	Optional
TYP_TAP	Tapping Selector Type			Optional
NO_TAP	Number of Tapping Points			Optional
NEUTRAL	Neutral Connection			Optional
CONSERV	Conservator Fitted			Optional
BUCHOLZ	Buchholz Relay Fitted			Mandatory
EX_VENT	Explosion Vent Fitted			Mandatory
SILC_GEL	Silica Gel Fitted			Mandatory
OIL_SAMP	Oil Sample Cock Fitted			Mandatory
WEIGHT	Weight		KG	Optional
WGHT_WO	Weight Without Oil		KG	Optional

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OIL_QNTY	Oil Quantity		LITRES	Mandatory
TYP_COOL	Cooling Type			Mandatory
PHASE	Phase			Mandatory
IMP_PRI	Primary Impedance			Mandatory
IMP_SEC	Secondary Impedance			Mandatory
VOLT_75C	Volts 75 degrees C		VOLTS	Optional
VECT_SYM	Vector Symbol			Mandatory
T_RIS_MX	Maximum Temperature Rise			Optional
VOLT_OIL	Oil Voltage		VOLTS	Optional
WGHT_COR	Weight of Core		KG	Optional
BUCH_CON	Buchholz Relay Connected			Mandatory

Appendix B49 – Data Collection Sheet (For optional use)

Classification: *Transmission*

Equipment Tab Information

Field	Data Description	Data Entry	Value
Equipment Description **	Engineering description of equipment	Enter Function, Category, Characteristic, Capacity	
Vendor **	First 4 characters of vendor plus a 2 digit identifier	Select from List Box, If company is not in the list, right click on "Vendor" field and enter details of the new Company *	
Manufacturer **	First 4 characters of manufacturer plus a 2 digit identifier	Select from List Box, If company is not in the list, right click on "Manufacturer" field and enter details of the new Company *	
Serial No **	Serial number of equipment	Enter number	
Model **	Model or Code of Equipment	Enter model	
Failure Class **	Failure code for equipment	Select from List Box	
CMEL Code **	Chemical, Mechanical, Electrical, Electronic	Select from List Box	
Installation Date **	Date Installed/ Commissioned	Click Dialogue Box to bring up calendar and set the date	
Warranty Date **	Date manufactures warranty expires	Click Dialogue Box to bring up calendar and set the date	
Purchase Price **	Purchase or capital cost of equipment	Enter dollar value	
Replacement Cost **	Replacement of identical equipment	Enter dollar value	

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Specification Tab Information

Attribute	Attribute Description	Attribute Value	Measure Unit	Requirement
GEARRAT	Gear Box Ratio			Mandatory
MAXTORQS	Maximum Torque Setting		NM	Optional
PWR_RTG	Power Rating		KW	Mandatory
RPM_G_IN	Gearbox Input RPM		RPM	Mandatory
RPM_G_OT	Gearbox Output RPM		RPM	Mandatory
WEIGHT	Weight		KG	Optional
TYP_COUP	Coupling Type			Optional

Appendix B50 – Data Collection Sheet (For optional use)

Classification: *UPS Equipment*

Equipment Tab Information

Field	Data Description	Data Entry	Value
Equipment Description **	Engineering description of equipment	Enter Function, Category, Characteristic, Capacity	
Vendor **	First 4 characters of vendor plus a 2 digit identifier	Select from List Box, If company is not in the list, right click on "Vendor" field and enter details of the new Company *	
Manufacturer **	First 4 characters of manufacturer plus a 2 digit identifier	Select from List Box, If company is not in the list, right click on "Manufacturer" field and enter details of the new Company *	
Serial No **	Serial number of equipment	Enter number	
Model **	Model or Code of Equipment	Enter model	
Failure Class **	Failure code for equipment	Select from List Box	
CMEL Code **	Chemical, Mechanical, Electrical, Electronic	Select from List Box	
Installation Date **	Date Installed/ Commissioned	Click Dialogue Box to bring up calendar and set the date	
Warranty Date **	Date manufactures warranty expires	Click Dialogue Box to bring up calendar and set the date	
Purchase Price **	Purchase or capital cost of equipment	Enter dollar value	
Replacement Cost **	Replacement of identical equipment	Enter dollar value	

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Specification Tab Information

Attribute	Attribute Description	Attribute Value	Measure Unit	Requirement
DESCRIPT	Description			Mandatory
VOLT_FAC	Incoming Supply Voltage (v)			Mandatory
CUR_RTD	Rated Current		AMPS	Mandatory
FREQUENCY	Frequency		HZ	Optional
PWR_FACT	Power Factor			Optional
PWR_RTG	Power Rating		KW	Mandatory
DIM_HGHT	Dimension Height		M	Optional
DIM_WTH	Dimension - Width		M	Optional
DIM_LGTH	Dimension - Length		M	Optional
WEIGHT	Weight		KG	Optional
BATT_RAT	Battery Rating			Mandatory
BATT_QUA	Battery Quantity			Mandatory
BATT_TIM	Battery Backup Time (Full Load		MINUTES	Mandatory
BATT_RT	Battery Recharge Time		MINUTES	Optional
TYP_BATT	Type of Battery			Mandatory

Appendix B51 – Data Collection Sheet (For optional use)

Classification: *Utilities*

Equipment Tab Information

Field	Data Description	Data Entry	Value
Equipment Description **	Engineering description of equipment	Enter Function, Category, Characteristic, Capacity	
Vendor **	First 4 characters of vendor plus a 2 digit identifier	Select from List Box, If company is not in the list, right click on "Vendor" field and enter details of the new Company *	
Manufacturer **	First 4 characters of manufacturer plus a 2 digit identifier	Select from List Box, If company is not in the list, right click on "Manufacturer" field and enter details of the new Company *	
Serial No **	Serial number of equipment	Enter number	
Model **	Model or Code of Equipment	Enter model	
Failure Class **	Failure code for equipment	Select from List Box	
CMEL Code **	Chemical, Mechanical, Electrical, Electronic	Select from List Box	
Installation Date **	Date Installed/ Commissioned	Click Dialogue Box to bring up calendar and set the date	
Warranty Date **	Date manufactures warranty expires	Click Dialogue Box to bring up calendar and set the date	
Purchase Price **	Purchase or capital cost of equipment	Enter dollar value	
Replacement Cost **	Replacement of identical equipment	Enter dollar value	

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Specification Tab Information

Attribute	Attribute Description	Attribute Value	Measure Unit	Requirement
DESCRIPT	Description			Mandatory

Appendix B52 – Data Collection Sheet (For optional use)

Classification: Valve

Valve - Major (450mm or greater)

Equipment Tab Information

Field	Data Description	Data Entry	Value
Equipment Description **	Engineering description of equipment	Enter Function, Category, Characteristic, Capacity	
Vendor **	First 4 characters of vendor plus a 2 digit identifier	Select from List Box, If company is not in the list, right click on "Vendor" field and enter details of the new Company *	
Manufacturer **	First 4 characters of manufacturer plus a 2 digit identifier	Select from List Box, If company is not in the list, right click on "Manufacturer" field and enter details of the new Company *	
Serial No **	Serial number of equipment	Enter number	
Model **	Model or Code of Equipment	Enter model	
Failure Class **	Failure code for equipment	Select from List Box	
CMEL Code **	Chemical, Mechanical, Electrical, Electronic	Select from List Box	
Installation Date **	Date Installed/ Commissioned	Click Dialogue Box to bring up calendar and set the date	
Warranty Date **	Date manufactures warranty expires	Click Dialogue Box to bring up calendar and set the date	
Purchase Price **	Purchase or capital cost of equipment	Enter dollar value	
Replacement Cost **	Replacement of identical equipment	Enter dollar value	

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Specification Tab Information

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Attribute	Attribute Description	Attribute Value	Measure Unit	Requirement
MEDIUM	Medium			Optional
POS_INDC	Position Indicator			Mandatory
TYP_TLRY	Telemetry Type			Mandatory
WEIGHT	Weight		KG	Optional
TYP_VLV	Type Of Valve			Mandatory
VLV_FNCT	Valve Function			Mandatory
VLV_ENDS	Valve Body End Connection			Mandatory
TYP_ACT	Type of Actuator			Mandatory
PRES_RTD	Rated Pressure		KPA	Mandatory
PRES_WKG	Working Pressure			Optional
PRES_US	Upstream Pressure		KPA	Optional
PRES_DS	Downstream Pressure		KPA	Optional
PRES_SFT	Safety Pressure		KPA	Optional
DIA	Diameter			Mandatory
VLV_DIR	Direction to Open			Mandatory
VLV_TIM	Time to Close		MINUTES	Optional
VLV_TRNS	Number of Turns to Close			Mandatory
MAT_BOD	Body Material			Mandatory
MAT_SEAT	Seat Material			Mandatory
VLV_LGTH	Length - Face to Face		MM	Mandatory
COEF_HL	Head Loss Coefficient (K) @ 10			Optional
PRES_SET	Pressure Setting			Optional

Appendix B53 – Data Collection Sheet (For optional use)

Classification: Valve

Valve - Minor (100mm to 450mm)

Equipment Tab Information

Field	Data Description	Data Entry	Value
Equipment Description **	Engineering description of equipment	Enter Function, Category, Characteristic, Capacity	
Vendor **	First 4 characters of vendor plus a 2 digit identifier	Select from List Box, If company is not in the list, right click on "Vendor" field and enter details of the new Company *	
Manufacturer **	First 4 characters of manufacturer plus a 2 digit identifier	Select from List Box, If company is not in the list, right click on "Manufacturer" field and enter details of the new Company *	
Serial No **	Serial number of equipment	Enter number	
Model **	Model or Code of Equipment	Enter model	
Failure Class **	Failure code for equipment	Select from List Box	
CMEL Code **	Chemical, Mechanical, Electrical, Electronic	Select from List Box	
Installation Date **	Date Installed/ Commissioned	Click Dialogue Box to bring up calendar and set the date	
Warranty Date **	Date manufactures warranty expires	Click Dialogue Box to bring up calendar and set the date	
Purchase Price **	Purchase or capital cost of equipment	Enter dollar value	
Replacement	Replacement of identical	Enter dollar value	

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Cost **	equipment		
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** Mandatory

Specification Tab Information

Attribute	Attribute Description	Attribute Value	Measure Unit	Requirement
MEDIUM	Medium			Optional
WEIGHT	Weight		KG	Optional
TYP_VLV	Type Of Valve			Mandatory
VLV_FNCT	Valve Function			Mandatory
VLV_ENDS	Valve Body End Connection			Mandatory
TYP_ACT	Type of Actuator			Mandatory
DIA	Diameter			Mandatory
VLV_DIR	Direction to Open			Mandatory
VLV_TRNS	Number of Turns to Close			Mandatory
COEF_HL	Head Loss Coefficient (K) @ 10			Optional
PRES_SET	Pressure Setting			Optional

Appendix B54 – Data Collection Sheet (For optional use)

Classification: Ventilation

Equipment Tab Information

Field	Data Description	Data Entry	Value
Equipment Description **	Engineering description of equipment	Enter Function, Category, Characteristic, Capacity	
Vendor **	First 4 characters of vendor plus a 2 digit identifier	Select from List Box, If company is not in the list, right click on "Vendor" field and enter details of the new Company *	
Manufacturer **	First 4 characters of manufacturer plus a 2 digit identifier	Select from List Box, If company is not in the list, right click on "Manufacturer" field and enter details of the new Company *	
Serial No **	Serial number of equipment	Enter number	
Model **	Model or Code of Equipment	Enter model	
Failure Class **	Failure code for equipment	Select from List Box	
CMEL Code **	Chemical, Mechanical, Electrical, Electronic	Select from List Box	
Installation Date **	Date Installed/ Commissioned	Click Dialogue Box to bring up calendar and set the date	
Warranty Date **	Date manufactures warranty expires	Click Dialogue Box to bring up calendar and set the date	
Purchase Price **	Purchase or capital cost of equipment	Enter dollar value	
Replacement Cost **	Replacement of identical equipment	Enter dollar value	

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** Mandatory

Specification Tab Information

Attribute	Attribute Description	Attribute Value	Measure Unit	Requirement
AIR_C_HR	Air Changes Per Hour			Mandatory
TYP_FAN	Type of Fan			Mandatory
PWR_RTG	Power Rating		KW	Mandatory
VOLTAGE	Voltage		VOLTS	Mandatory
CUR_OP	Normal Operating Current		AMPS	Optional
CUR_FLC	Full Load Current		AMPS	Mandatory
FLAME_PF	Flame Proof			Mandatory

Appendix B55 – Data Collection Sheet (For optional use)

Classification: Vessel

Equipment Tab Information

Field	Data Description	Data Entry	Value
Equipment Description **	Engineering description of equipment	Enter Function, Category, Characteristic, Capacity	
Vendor **	First 4 characters of vendor plus a 2 digit identifier	Select from List Box, If company is not in the list, right click on "Vendor" field and enter details of the new Company *	
Manufacturer **	First 4 characters of manufacturer plus a 2 digit identifier	Select from List Box, If company is not in the list, right click on "Manufacturer" field and enter details of the new Company *	
Serial No **	Serial number of equipment	Enter number	
Model **	Model or Code of Equipment	Enter model	
Failure Class **	Failure code for equipment	Select from List Box	
CMEL Code **	Chemical, Mechanical, Electrical, Electronic	Select from List Box	
Installation Date **	Date Installed/ Commissioned	Click Dialogue Box to bring up calendar and set the date	
Warranty Date **	Date manufactures warranty expires	Click Dialogue Box to bring up calendar and set the date	
Purchase Price **	Purchase or capital cost of equipment	Enter dollar value	
Replacement Cost **	Replacement of identical equipment	Enter dollar value	

* More details in page 3

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Specification Tab Information

Attribute	Attribute Description	Attribute Value	Measure Unit	Requirement
CAPACITY	Capacity			Mandatory
MAT_FLWL	Const Material - Floor/Wall			Mandatory
MAT_ROOF	Construction Material - Roof			Mandatory
MEDIUM	Medium			Mandatory
TYP_MIX	Mixer Type			Optional
DIM_LGTH	Dimension - Length			Optional
DIM_WTH	Dimension - Width			Optional
DIM_HGHT	Dimension Height			Optional
DIM_OD	Dimension - Outside Diameter			Optional
DIM_ID	Dimension - Inside Diameter			Optional
PRES_WKG	Working Pressure			Optional
PRES_RTD	Rated Pressure		KPA	Mandatory
RELIEF	Relief Valve Fitted			Mandatory
PV_INSP	Pressure Vessel Inspection Req			Optional
PV_ID	Pressure Vessel ID Number			Optional
TYP_VESL	Type Of Vessel			Mandatory

Appendix B56 – Data Collection Sheet (For optional use) Classification: Water Pumping Station

Equipment Tab Information

Field	Data Description	Data Entry	Value
Equipment Description **	Engineering description of equipment	Enter Function, Category, Characteristic, Capacity	
Vendor **	First 4 characters of vendor plus a 2 digit identifier	Select from List Box, If company is not in the list, right click on "Vendor" field and enter details of the new Company *	
Manufacturer **	First 4 characters of manufacturer plus a 2 digit identifier	Select from List Box, If company is not in the list, right click on "Manufacturer" field and enter details of the new Company *	
Serial No **	Serial number of equipment	Enter number	
Model **	Model or Code of Equipment	Enter model	
Failure Class **	Failure code for equipment	Select from List Box	
CMEL Code **	Chemical, Mechanical, Electrical, Electronic	Select from List Box	
Installation Date **	Date Installed/ Commissioned	Click Dialogue Box to bring up calendar and set the date	
Warranty Date **	Date manufactures warranty expires	Click Dialogue Box to bring up calendar and set the date	
Purchase Price **	Purchase or capital cost of equipment	Enter dollar value	
Replacement Cost **	Replacement of identical equipment	Enter dollar value	

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(Continue) Appendix B56 – Data Collection Sheet (For optional use)
Classification: Water Pumping Station

Specification Tab Information

Attribute	Attribute Description	Attribute Value	Measure Unit	Requirement
AUTO	Auto Operation			Optional
AUTOSEQ	Auto Sequencing			Optional
AUTRESET	Auto Reset After Power Failure			Optional
CONASSET	Controlling Asset			Optional
NO_UNITS	Number of Pumping Units			Mandatory
PWR_DUAL	Dual Power Supply to Run Stati			Mandatory
TYP_CONT	Station Control Type			Optional
TYP_LVL	Level Control Type			Optional
TYP_STRC	Structure Type			Mandatory
TYP_SUC	Suction Safety Type			Optional
TYP_TLRY	Telemetry Type			Optional
WTR_DEST	Water Destination			Mandatory
WTR_SRCE	Water Source			Mandatory
TYP_WPS	Type of WPS			Optional
TYP_DEL	Delivery Safety Type			Optional
GEN_CON	Generator Emergency Connection			Mandatory
GEN_LOC	Generator Location On Site			Optional
GEN_ACC	Trans.. Access for Generator			Mandatory
GEN_KVA	Generator Capacity Req'd (kva)		KVA	Optional
GEN_CABL	Generator Cable Length (m)		M	Optional
GEN_TAIL	Generator Cable Tails Required			Optional
GEN_SITE	Permanent Generator Installed			Mandatory
HERITAGE	Heritage Item			Optional

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PWR_MOD	<i>Mode of Incoming Power</i>			Mandatory
RM_MAT	<i>Rising Main Pipe Material</i>			Mandatory
RM_NMBR	<i>Number of Rising Mains</i>			Optional
RM_SIZE	<i>Size of Rising Main (mm)</i>		MM	Mandatory
SUB_NAM	<i>Substation Name</i>			Mandatory
TYP_PMP	<i>Pump Speed Type</i>			Mandatory
VOLT_FAC	<i>Incoming Supply Voltage (v)</i>			Mandatory

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