



SyTech, Inc.

REPORT MANAGER™

Reporting made easy for production and management

REPORT TYPES

- ◆ Instance
- ◆ Event
- ◆ Historical
- ◆ Batch

... and more

INDUSTRIES

Report Manager is used in all industries.

“Report Manager filled an important gap for us. We needed a robust reporting system that could record and print pressure and flow data 24 hours a day, 365 days a year without extensive use of system resources or operator intervention. Report Manager was a perfect solution for our needs.”

*– Providence Gas
Rhode Island*



HISTORICAL

MONTH:05 NEW YORK STATE HEALTH DEPARTMENT Daily Operating Report Town of Tonawanda Water Treatment Plant										
PROGRAM CODE:100										
DATE	RAW WATER				RAW WTR CL2		CHEMICAL & DOSAGES			
	TREAT WATER <MGD>	TURB <MTU>	pH	TEMP. <F>	LBS PER 24 HR	CL2 RES mg/L	ALUM GAL 24 HR	CLAY LBS 24 HR	LIME LBS 24 HR	KMnO4 LBS 24 HR
01	12.3	8.0	8.4	42	244	1.0	322	405	405	0
02	11.5	61.2	8.4	40	211	0.9	551	0	471	0
03	12.1	28.2	8.4	43	221	1.0	416	0	398	0
::	::	::	::	::	::	::	::	::	::	::
29	13.1	5.7	8.2	50	251	1.0	344	434	434	16
30	12.5	6.1	8.2	50	256	1.0	330	411	411	21
31	12.1	3.5	8.3	51	226	1.0	316	398	398	20
TOT	376.3	--	--	--	7411	--	10070	9476	12268	172
AUG	12.1	9.7	8.2	47	239	1.0	351	306	395	5

Reported by: _____, SANITARY CHEMIST
(signature)

Time & date of report: 23:59 05/31/97
File: C:\reports\PRODUCTION_STATE.002

Most processes need historical reports. Whether they are shift reports in the manufacturing industry or yearly reports in the water industry, the list is endless! Report Manager maintains its own database of values over the life of the report, automatically storing production data, such as totals and averages.

BATCH



Report Manager meets the specific requirements of batch production. From time stamped events to statistical calculations – all are possible. Captured data for the report is exclusive to the time frame of the batch. Reports can be generated on several batches at the same time. To facilitate archiving and retrieval, any batch detail can be used as the report file name.

Bear Pharmaceuticals Division 12B - Line A41S Report Date : 23:20 01/13/97										
Lot#: 4825102					Name: Penicillin-2P					
Batch Temperature Profile										
Time	INLET			OUTLET			CORE			
	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	
09:05	95	78	103	80	72	85	92	91	93	
10:05	105	103	106	84	75	87	97	95	98	
22:05	90	84	93	89	83	97	90	89	90	
23:05	82	76	87	85	82	95	84	85	86	
Batch Summary										
Inlet Temp <degF>				Avg	Min	Max	Rng	SDev		
Flow Rate <g/min>				87	76	110	34	0.8		
				101	--	--	--	--		
Events:										
01/13/97 09:05:00 Batch Started										
01/13/97 09:22:15 Water Circulation On										
01/13/97 11:45:09 Inlet Temperature Set 80										
01/13/97 12:17:14 Inlet Temperature Set 87										
01/13/97 15:23:27 Phase 2 Active										

Easy as
1, 2, 3!



- ◆ Saves engineering time!
- ◆ Unattended background report generation!
- ◆ Optional printout!
- ◆ Paperless reporting is now a reality!

COMPATIBILITY

- ◆ FIX[®]
- ◆ DeltaV[™]
- ◆ InTouch[™]
- ◆ DDE
- ◆ ODBC

... and more

PLATFORMS

- ◆ Windows[™] 3.1
- ◆ Windows[®] 95 and up
- ◆ WindowsNT[®]

REPORT MANAGER'S Designer, Scheduler, and Viewer work together to create customized reports for your industry.

1



EASY TO DESIGN

Design your report template in a matter of minutes. Use the intuitive point and click features, such as a tag browser, design validator, report previewer, and keywords to replace the traditional custom programming or macros approach. Before final installation, reports can be tested in accelerated time mode to verify your design.

Manufacturing Department Granulation Process Fluid Bed Fryer No.1-SF-02				
Product :	[PRODUCT]	Associate :		
Strength :	[STRGTH]	Leader :		
Batch No. :	[BATCHNO]	Date :	[zdate]	
File Name :	[filename]	Time :	[ztime]	
Recipe No. :	[RECNO]	Recipe Name :	[RECNAME]	
Time	Inlet Temp	Outlet Temp	Upstr. Press.	Dwnstr Press.
[Section002]	[INLET]	[OUTLET]	[UPRESS]	[DPRESS]
[Section003]				
Average	[INAV]	[OUTAV]	[UPAV]	[DPAV]
St.Dev.	[INSTD]	[OUTSTD]	---	---
[Section004]	[ztime] ----- PROCESS START -----			
[Section005]	[ztime] ----- MIXING START -----			
[Section006]	[ztime] ----- SPRAY No.1 START -----			
[Section007]	[ztime] ----- SPRAY No.2 START -----			
[Section008]				

2



EASY TO EXECUTE

Produce your report from either the Scheduler or from your SCADA/MMI software. The Scheduler executes your report template periodically, for instance every hour, or based on an event such as a process alarm. In addition, the Scheduler monitors process conditions and prevents unnecessary reports from being produced. Your reports are automatically archived and printed without operator intervention.

Manufacturing Department Granulation Process Fluid Bed Fryer No.1-SF-02				
Product :	Relafine	Associate :	TJW	
Strength :	500 mg	Leader :	J Edwards	
Batch No. :	513R177	Date :	14th May 1997	
File Name :	513R177.003	Time :	12:15:02	
Recipe No. :	1PE007	Recipe Name :		
Time	Inlet Temp	Outlet Temp	Upstr. Press.	Dwnstr Press.
12:16	---	---	---	---
12:25	43.4	34.7	12.7	11.1
12:30	45.7	38.1	12.8	12.1
12:16	---	---	---	---
12:35	52.1	44.6	11.9	11.3
..
14:30	52.4	41.7	12.0	11.9
14:32	---	---	---	---
14:35	49.7	39.5	12.1	12.2
14:40	43.4	33.1	12.4	12.0
14:43	---	---	---	---
Average	47.9	39.6	12.5	11.9
St.Dev.	0.2	0.5	---	---

3



EASY TO VIEW

Retrieve your electronically stored reports easily by using simple queries! The paging feature of the Viewer allows quick and convenient access to any report at any given time. In fact, you can even display multiple reports simultaneously for accurate comparison. Your reports are now accessible to modern communication methods, such as e-mail, fax, LANs, and WANs.

TO ORDER

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