



## BHP Billiton uses MP-5 to manage and report on environmental data

BHP Billiton is a global leader in the resources industry. Formed from a merger between BHP and Billiton, the company today employs 41,000 staff in over 100 operations in 25 countries.

In 2007 two of BHP Billiton sites in USA and Suriname opted for MP-5 to manage their environmental monitoring data. At one of the sites in Pinto Valley, Arizona USA, there are ten users of MP-5 and many of the system features have been useful, in common with other users, but in addition there are there are particular site-specific reporting requirements which need to be met.

The Pinto Valley site, similarly with all other point source dischargers to "Waters of the U.S." must obtain a National Pollution Discharge Elimination System (NPDES) permit from the appropriate agency, and are required to file Discharge Monitoring Reports (DMR's) on a periodic basis. The DMR is a water pollution report which describes discharges from the site, compared to any permit target, and in a predefined tabular format.

In addition, Self Monitoring Report Forms (SMRF) are also required but are designed for each Pinto Valley's specific monitoring and reporting requirements as dictated by the facility's Aquifer Protection Permit (APP). The content of the report includes the parameters that are listed in the associated permit's monitoring table.

### SELF MONITORING REPORT FORM ARIZONA DEPARTMENT ENVIRONMENTAL QUALITY

Facility Name: <u>BHP Copper</u>	Latitude: _____	Facility ID: _____
Contact: _____	Longitude: _____	ADEQ Permit Number: _____
Address: _____	Section: _____	Lab ID: _____
_____	Township: _____	Lab Name: _____
_____	Range: _____	Reporting Period: _____
_____	Quarter: _____	Date Prepared: <u>05/18/2010</u>

Monitoring Point ID: \_\_\_\_\_ Monitoring Name: \_\_\_\_\_

Sampling/Reporting Frequencies: \_\_\_\_\_

STORET _____	Permit Limit: AL: _____	DL: _____	AQL <u>N/A</u>	Min: _____	Max: _____
Chemical: _____	Method: _____	Units: _____			
Sample Date	Analysis Date	Result			

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINES AND IMPRISONMENT.  
SIGNATURE OF PRINCIPLE EXECUTIVE OFFICER OR AUTHORIZED AGENT \_\_\_\_\_ DATE \_\_\_\_\_

### SMRF report as generated from within MP-5

All of the parameters necessary for the reporting requirement are present in MP-5 and so specific reports have been prepared to enable Pinto valley to produce these reports at the touch of a button. This has been achieved using the crystal reports engine within MP-5.