STATE OF CALIFORNIA
CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
LOS ANGELES REGION

MONITORING AND REPORTING PROGRAM NO. CI-8808
FOR
ASTRO PAK CORPORATION
(FORMER ASTRO PAK FACILITY)

ENROLLMENT UNDER REGIONAL BOARD
ORDER NO. R4-2002-0030 (Series No. 051)
FILE NO. 97-098

I. REPORTING REQUIREMENTS

A. Astro Pak Corporation (hereinafter Discharger) shall implement this monitoring program on the effective date of this enrollment (October 13, 2004) under Regional Board Order No. R4-2002-0030. The first monitoring report under this Program is due by January 15, 2005.

Monitoring reports shall be received by the dates in the following schedule:

Reporting Period	Report Due
January – March	April 15
April – June	July 15
July – September	October 15
October – December	January 15

B. If there is no discharge or injection during any reporting period, the report shall so state. Monitoring reports must be addressed to the Regional Board, Attention: Information Technology Unit.

C. By March 1 of each year, the Discharger shall submit an annual summary report to the Regional Board. The report shall contain both tabular and graphical summaries of the monitoring data obtained during the previous calendar year. In addition, the Discharger shall explain the compliance record and the corrective actions taken or planned, which may be needed to bring the discharge into full compliance with the waste discharge requirements (WDRs).

D. Each monitoring report shall contain a separate section titled "Summary of Non-Compliance" which discusses the compliance record and the corrective actions taken or planned that may be needed to bring the discharge into full compliance with WDRs. This section shall be located at the front of the report and shall clearly list all non-compliance with discharge requirements, as well as all excursions of effluent limitations.

E. The Discharger shall comply with requirements contained in Section G of Order No. R4-2002-0030 "*Monitoring and Reporting Requirements*" in addition to the aforementioned requirements.

II. POTASIUM AND SODIUM PERMANGANATE INJECTION MONITORING REQUIREMENTS

The quarterly reports shall contain the following information regarding injection activities:

1. Location Map showing the injection points for the potassium and sodium permanganate, and

2. Written summary defining:

- Depth of injection points;
- Volume and quantity of sodium and potassium permanganate injected per injection point and per vertical spacing at each point; and
- Total volume and quantity of sodium and potassium permanganate injected.

III. GROUNDWATER MONITORING PROGRAM

A groundwater-monitoring program shall be designed to detect and evaluate impacts associated with the potassium and sodium permanganate injection activities. The following shall constitute the monitoring program for Monitoring Wells Nos. MW-1 through MW-4, MW-6 through MW-22, MW-23A through MW-23C, and MW-24A through MW-24C. These sampling stations shall not be changed and any proposed change of monitoring locations shall be identified and approved by the Regional Board Executive Officer (Executive Officer) prior to their use. The Discharger shall conduct baseline sampling one or two weeks prior to potassium and sodium permanganate injection and regular sampling with the required frequencies of the monitoring wells for the following constituents:

CONSTITUENT	UNITS [1]	TYPE OF SAMPLE	MINIMUM FREQUENCY OF ANALYSIS
Temperature	^{0}F	grab	Weekly [2] /Monthly [3] /Quarterly [4]
Color	Color Units	grab	Weekly [2] /Monthly [3] /Quarterly [4]
Acetone	µg/L	grab	Quarterly [5] /Semi-annually [6] /Annually [7]
Tetrachloroethene (PCE)	µg/L	grab	Quarterly [5] /Semi-annually [6] /Annually [7]
Trichloroethene (TCE)	µg/L	grab	Quarterly [5] /Semi-annually [6] /Annually [7]
Cis-1,2-dichloroethene (Cis-1,2-DCE)	µg/L	grab	Quarterly [5] /Semi-annually [6] /Annually [7]

Trans-1,2-dichloroethene (Trans-1,2-DCE)	µg/L	grab	Quarterly [5] /Semi-annually [6] /Annually [7]
1,1-dichloroethene (1,1-DCE)	µg/L	grab	Quarterly [5] /Semi-annually [6] /Annually [7]
1,2-dichloroethane (1,2-DCA)	µg/L	grab	Quarterly [5] /Semi-annually [6] /Annually [7]
1,1,1-trichloroethane (1,1,1-TCA)	µg/L	grab	Quarterly [5] /Semi-annually [6] /Annually [7]
Carbon tetrachloride	µg/L	grab	Quarterly [5] /Semi-annually [6] /Annually [7]
1,2,4-trimethylbenzene	µg/L	grab	Quarterly [5] /Semi-annually [6] /Annually [7]
1,1,1,2-trichloroethane	µg/L	grab	Quarterly [5] /Semi-annually [6] /Annually [7]
Benzene	µg/L	grab	Quarterly [5] /Semi-annually [6] /Annually [7]
Ethylbenzene	µg/L	grab	Quarterly [5] /Semi-annually [6] /Annually [7]
Toluene	µg/L	grab	Quarterly [5] /Semi-annually [6] /Annually [7]
Total xylene	µg/L	grab	Quarterly [5] /Semi-annually [6] /Annually [7]
Methane	µg/L	grab	Semi-annually [8] /Annually [9]
Dissolved Organic carbon	µg/L	grab	Semi-annually [8] /Annually [9]
PH [10]	pH units	grab	Semi-annually [8] /Annually [9]
Oxidation-reduction potential [10]	milivolts	grab	Semi-annually [8] /Annually [9]
Specific conductivity [10]	µmhos/cm	grab	Semi-annually [8] /Annually [9]
Ferrous iron	µg/L	grab	Semi-annually [8] /Annually [9]
Dissolved Oxygen [10]	µg/L	grab	Semi-annually [8] /Annually [9]
Total dissolved solids	mg/L	grab	Semi-annually [8] /Annually [9]
Sulfate	mg/l	grab	Semi-annually [8] /Annually [9]
Chloride	mg/L	grab	Semi-annually [8] /Annually [9]
Boron	mg/L	grab	Semi-annually [8] /Annually [9]
Bromide	m/L	grab	Semi-annually [8] /Annually [9]
Nitrate	mg/L	grab	Semi-annually [8] /Annually [9]
Total nitrogen	µg/L	grab	Semi-annually [8] /Annually [9]
Carbon dioxide	mg/L	grab	Semi-annually [8] /Annually [9]
Manganese	µg/L	grab	Semi-annually [8] /Annually [9]

Total iron	µg/L	grab	Semi-annually [8] /Annually [9]
Alkalinity	µg/L	grab	Semi-annually [8] /Annually [9]
Biological Oxygen Demand	µg/L	grab	Semi-annually [8] /Annually [9]
Chemical Oxygen Demand	µg/L	grab	Semi-annually [8] /Annually [9]
1,4-Dioxane	µg/L	grab	One-time [11]
1,2,3-trichloropropane	µg/L	grab	One-time [11]
Priority pollutants [12]	µg/L	grab	One-time [11]

[1] mg/L: milligrams per liter; µg/L: micrograms per liter; µmhos/cm: microohms per centimeter; °F: degree Fahrenheit.

[2] Weekly sampling events are required for the first month from the injection date from monitoring wells MW-7, MW-8, MW-10, MW-13, MW-15, and MW-16. EPA Method 110.2 is required for testing color.

[3] Monthly sampling events are required after the first month sampling events for a period of six months from monitoring wells MW-7, MW-8, MW-10, MW-13, MW-15, and MW-16.

[4] Quarterly sampling events are required after the monthly sampling events have been completed from monitoring wells MW-7, MW-8, MW-10, MW-13, MW-15, and MW-16.

[5] Quarterly sampling events are required for this constituent from monitoring wells No. MW-7, MW-8, MW-10, MW-13, MW-15, and MW-16.

[6] Semi-annual sampling events are required for this constituent from monitoring wells No. MW-2, MW-4, MW-6, MW-9, MW-11, MW-12, MW-14, MW-17, MW-18, MW-19, MW-20, MW-21, MW-22, MW-23A, MW-23B, MW-23C, MW-24A, MW-24B, and MW-24C.

[7] Annual sampling events are required for this constituent from monitoring wells No. MW-1 and MW-3

[8] Semi-annual sampling events are required for this constituent from monitoring wells No. MW-6, MW-7, MW-8, MW-10, MW-13, MW-15, MW-16, MW-21, MW-23A, and MW-24A.

[9] Annual sampling events are required for this constituent from monitoring wells No. MW-23B, MW-23C, MW-24B, and MW-24C.

[10] Field instrument will be used to test for this constituent.

[11] One time sampling event before the injection of permanganate is required for this constituent from wells MW-1 and MW-13. If detected, quarterly monitoring is required from the same monitoring wells.

[12] A complete list of priority pollutants (Attachment A) is attached, but the Discharger is required to analyze only for metals (including chromium six) from wells MW-7, MW-8, MW-13, MW-14, MW-17, MW-20 and MW-21.

All groundwater monitoring reports must include, at minimum, the following:

a. Well identification, date and time of sampling;
b. Sampler identification, and laboratory identification;
c. Quarterly observation of groundwater levels, recorded to 0.01 feet mean sea level and groundwater flow direction.

IV. MONITORING FREQUENCIES

Specifications in this monitoring program are subject to periodic revisions. Monitoring requirements may be modified or revised by the Executive Officer based on review of monitoring data submitted pursuant to this Order. Monitoring frequencies may be adjusted to a less frequent basis or parameters and locations dropped by the Executive Officer if

the Discharger makes a request and the request is backed by statistical trends of monitoring data submitted.

V. CERTIFICATION STATEMENT

Each report shall contain the following completed declaration:

"I certify under penalty of law that this document, including all attachments and supplemental information, was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of a fine and imprisonment.

Executed on the _____day of _____ at _____.

_____(Signature)

_____(Title)"

All records and reports submitted in compliance with this Order are public documents and will be made available for inspection during business hours at the office of the California Regional Water Quality Control Board, Los Angeles Region, upon request by interested parties. Only proprietary information, and only at the request of the Discharger, will be treated as confidential.

Ordered by: _____ Date: October 13, 2004
Jonathan Bishop
Executive Officer